

Supplementary Table 2. Projection of the data of Wang et al. 2005 on the 120 genes used in the cl: respectively the subtype assignment based on our consensus clustering protocol and on the nearest

Sample Id (Wang et al)	Subtype assigned by the consensus clustering protocol	Subtype assigned by the nearest centroid classifier	Survival	Relapse (yes 1/no 0)	ER status (pos 1/neg 0)	CA12	ESR1	FOXA1	GATA3	KRT18
GSM36807	LA	BA2	88	0	1	3255.4	2933.4	1068.9	1528.9	12154.9
GSM36882	LA	? BA2	99	0	1	4700.8	4812.9	1179	1885.1	11200.6
GSM36885	LA	BA2	40	1	1	2924.4	5186.8	789.7	1243.3	9367.5
GSM36898	LA	BA2	7	1	1	4169.4	10272.2	1279.8	872.1	13699.6
GSM36967	LA	BA2	15	1	1	3007.9	9540.6	1016	736.9	19141.6
GSM36993	LA	? BA2	98	0	1	4501.1	12789.7	1136.9	2538.4	7746.4
GSM37041	LA	BA2	9	1	1	4430.5	2555	1504.8	3338	10416.8
GSM37000	LA	? HER2+I	137	0	1	3592.6	1863.8	1528	2584.6	9147.3
GSM36777	LA	LA	79	0	1	4591.8	14608.6	1330	3196.7	16580.9
GSM36782	LA	LA	66	0	1	6547.3	10235.9	1258.5	1911.2	9626.8
GSM36790	LA	LA	107	0	1	5387.7	11218.6	1467.3	2737	10483
GSM36806	LA	LA	92	0	1	6218.6	10028.4	1547.4	2748.5	19645
GSM36825	LA	LA	99	0	1	4053.2	8603	2130.8	3217.1	10092
GSM36831	LA	LA	87	0	1	9593.8	3796.9	1526.1	4311.8	9103.9
GSM36840	LA	LA	86	0	1	9914	11513.1	1905.8	4031.4	11404.9
GSM36859	LA	LA	130	0	1	5594.3	8940	1385	3967.3	14221.1
GSM36869	LA	LA	126	0	1	6396.1	15131.6	1781.3	3599.2	10650.2
GSM36907	LA	LA	86	0	1	6713.5	10527.9	1379.2	2979.2	14744.6
GSM36914	LA	LA	84	0	1	4555.5	16605.7	2351.8	3592.6	21406.4
GSM36962	LA	LA	114	0	1	4634.5	11763.4	1555.1	2179	11923.1
GSM36983	LA	LA	75	1	1	4615.7	12715	1901	2251.9	11462
GSM36990	LA	LA	143	0	1	11625.5	15335.6	1341.1	3145.8	15242.3
GSM36994	LA	LA	2	1	1	5217.2	8310.3	1091.8	6021.1	11758.4
GSM37032	LA	LA	86	0	1	4433.1	10863.5	2103.3	1380.5	9937.2
GSM36987	LA	LB3	97	0	1	26008.4	11626.1	1248.8	3527.2	13301.8
GSM36988	LA	LB3	96	0	1	9856	14515.6	2128.1	2689.1	21094.6
GSM37046	LA	? LB3	86	0	1	6143	9477.5	1438.9	2313.3	21606.3
GSM37058	LA	LB3	64	1	1	8703.1	8799.3	1279.2	1214	21845.9
GSM36982	Potential LA	BA1	92	0	1	2190.5	2414.4	1276.1	1803.2	8013.6
GSM36932	Potential LA	BA2	96	0	1	2790.7	3551.5	1642.6	3064.7	5690.5
GSM36936	Potential LA	HER2+NI	109	0	1	3117.6	2795.8	1664.6	1699.8	5973.7
GSM36818	Potential LA	LA	62	1	1	7449.6	11358.6	1647.7	2081	20575.4
GSM36826	Potential LA	LA	58	1	1	6530.1	5319.7	1468.6	1905.4	16620.2
GSM36880	Potential LA	LA	97	0	1	4881.1	5260.4	784	1306.8	8760.5
GSM36928	Potential LA	LA	23	1	1	9856	11037.2	1536.6	4176.9	11743.6
GSM36938	Potential LA	LA	108	0	1	7356.4	5285.4	1568.9	3065.6	11215.5
GSM36970	Potential LA	LA	116	0	1	4213.2	8294.3	1821.8	4167.4	18648.2
GSM36986	Potential LA	LA	77	1	1	4699.8	7868	1719.6	4286.2	12867.1
GSM37059	Potential LA	LA	83	0	1	5761.4	16393.1	2013.5	2072.4	11657.2

GSM36943	Potential LA	LB1	19	1	1	6818.5	5356.9	1973.4	2809.5	21900.8
GSM36804	Potential LA	LB3	88	0	1	20928.2	5849.8	2053.7	3538.1	9203.1
GSM36871	Potential LA	LB3	84	0	1	9345	10314.6	1696.1	4606.6	14103.7
GSM37027	LB1	BA2	17	1	1	6228	10272.2	1515.6	1130.4	10342.4
GSM36877	LB1	? HER2+I	43	1	1	4828.2	2661.3	1510.6	2107.4	16022.8
GSM37024	LB1	? HER2+NI	95	0	1	5342.6	3291.5	1886.5	2522.4	17725.4
GSM37044	LB1	HER2+NI	112	0	1	4892.5	628.6	4056.6	697.4	17266.2
GSM36785	LB1	LA	57	0	1	4219	17717.3	2660	3425.8	14126.7
GSM36830	LB1	LA	117	0	1	6076.6	16730.1	2767.7	2477.7	22756.2
GSM36839	LB1	LA	32	1	1	11135.7	11335.4	2407.3	6248.4	12404.9
GSM36864	LB1	LA	84	0	1	4970.2	5306.1	1875.4	2329.4	16990.1
GSM36911	LB1	LA	80	1	1	10230.3	18472.8	1553.5	5648.4	8173.6
GSM36925	LB1	LA	104	0	1	6391	5770.6	1849.6	1844.6	14487.2
GSM36945	LB1	LA	92	0	1	4347.2	13243.5	2311	2610.5	10396.3
GSM36973	LB1	? LA	25	1	1	5497.9	16948.6	2799.9	3588.7	13911.2
GSM36998	LB1	LA	5	1	1	5001.8	10956	1747.5	2623.9	14329.3
GSM36999	LB1	LA	37	1	1	4927.1	15869.9	1789.2	4558.5	11678.2
GSM37013	LB1	LA	66	1	1	3823	8197.8	1524.2	2661.7	8163.9
GSM37015	LB1	LA	122	0	1	6050.1	7029.4	2364.6	2975.8	18450.1
GSM36779	LB1	LB1	132	0	1	15328.2	6885.9	3211.6	6736.1	23087.5
GSM36783	LB1	LB1	52	0	1	6960.9	11962.3	2577.5	2794	13268.7
GSM36796	LB1	LB1	118	0	1	8279.5	6527.8	1970.5	2189.7	14108.3
GSM36802	LB1	LB1	92	0	1	7417.3	9593.2	1810.4	2573.3	10150.3
GSM36805	LB1	LB1	100	0	1	4498	15542.2	2059.9	2816.8	21280
GSM36810	LB1	LB1	105	0	1	14839.2	6935	2534.6	3309.8	25999.8
GSM36821	LB1	LB1	88	0	1	5741.1	7165.7	2386.9	1656.1	10492.6
GSM36841	LB1	LB1	134	0	1	7129.4	12484	2694.7	1774.6	14999.9
GSM36843	LB1	LB1	77	0	1	7657.8	11936.6	2745.8	1747.8	18809.8
GSM36845	LB1	LB1	54	0	1	13372	18574.4	3686.3	3392.3	20042.1
GSM36849	LB1	LB1	110	0	1	6366.6	21321.1	2759.3	4824	15758.3
GSM36857	LB1	LB1	95	0	1	6222.6	5820.5	1728.8	3322	15779.9
GSM36866	LB1	LB1	107	0	1	7766.2	19773.7	3258.5	3112.7	19347.8
GSM36867	LB1	LB1	108	0	1	10924.1	21904.7	3288.7	5493.9	13476
GSM36896	LB1	LB1	102	0	1	9702.6	19823	2386.9	2894.8	24762.9
GSM36922	LB1	LB1	113	0	1	9663.5	16739.6	1809.4	4962.2	14695.7
GSM36924	LB1	LB1	29	1	1	6353.6	8496.7	1260.8	2372.4	13075.2
GSM36980	LB1	LB1	122	0	1	10001.8	28077.5	3015.6	2885.4	25584.6
GSM36984	LB1	LB1	138	0	1	4913.6	24744.4	4186	6001.6	14084.7
GSM36989	LB1	LB1	11	1	1	4189.9	4557.4	1158.6	2373.3	22169.1
GSM37004	LB1	LB1	35	1	1	11335	18991.5	3883.2	2743.4	18749.9
GSM37010	LB1	LB1	101	0	1	13488.5	16026.5	2032.9	2060.4	27075.4
GSM37011	LB1	LB1	60	1	1	5833.1	7493.2	1710.1	1584.3	34178.8
GSM37012	LB1	LB1	132	0	1	6937.8	12165.4	2367.7	7018.4	16362.7
GSM37026	LB1	LB1	36	1	1	5100.2	5707.1	2627.5	1355.6	10638.5
GSM37028	LB1	LB1	39	1	1	12789.4	23564.6	2528.4	3955.6	21542.6
GSM37035	LB1	LB1	14	1	1	6561.7	15036.5	2416.4	2027.8	18696.9
GSM37037	LB1	LB1	19	1	1	1549.7	11397.3	2686.8	2345.1	13942.2
GSM36829	LB2	BA2	157	0	1	3292.2	12989.8	1385.6	1116.1	8569.6
GSM36784	LB2	LB1	57	1	1	7378.5	7748.3	2007.1	3743.5	15642.9
GSM36787	LB2	LB2	72	0	1	14040.2	20273.7	1494.5	4980	23371.9
GSM36792	LB2	LB2	71	1	1	7715.2	10330.7	3266.5	7315.1	13554.2

GSM36820	LB2	LB2	141	0	1	5548.1	6938.9	1606.2	6516	12641.7
GSM36844	LB2	LB2	121	0	1	5929.4	8459.3	1259.3	1400.2	32524.6
GSM36899	LB2	LB2	169	0	1	19825.2	28589.4	1684.7	3672.2	32432.6
GSM36939	LB2	LB2	14	1	1	6783.7	8502.2	1439.7	3010.2	19643.4
GSM36946	LB2	LB2	26	1	1	5348.2	10366.7	1366	1693.4	28573.4
GSM36947	LB2	LB2	16	1	1	19334.2	15301.8	2079.2	2187.2	21930.6
GSM36948	LB2	LB2	87	0	1	11246.6	24866.4	2858.3	4111.1	17532.3
GSM36951	LB2	LB2	104	0	1	15324.9	26138.7	2608.3	2806.6	25415.5
GSM36954	LB2	LB2	19	1	1	8394.8	25107.8	2489.3	2204.7	27492.1
GSM37005	LB2	LB2	56	1	1	5481.6	14185.7	1506	2765.3	23719.2
GSM37006	LB2	LB2	71	1	1	7236.1	7067.5	1655.1	2837.9	36760.6
GSM37014	LB2	LB2	143	0	1	4723.2	29522	1882	2286.6	12290.5
GSM37029	LB2	LB2	47	1	1	6531.3	20073	2478.5	2097.8	15504.2
GSM37038	LB2	LB2	60	1	1	19073.5	18443.3	1649.6	3204.5	26838.7
GSM36789	LB2	LB3	51	1	1	7671.2	6293.6	1399.1	2045.2	41031.3
GSM36856	LB2	LB3	86	0	1	8096.4	5612.8	1473.9	4538.6	13797.2
GSM36861	LB2	LB3	155	0	1	9155.8	14206.2	1506.2	6180.2	20088.1
GSM37007	LB2	LB3	59	1	1	6870.8	25112.4	3875.3	5782.5	13728.8
GSM36944	LB3	BA2	112	0	1	4465.1	3177.2	1018.6	2164.2	12782.9
GSM36958	LB3	BA2	111	0	1	3769.8	4258.4	888.7	1151	8898.6
GSM36892	LB3	HER2+I	110	0	1	2618	3837.1	1298.3	1654.7	14465.9
GSM36868	LB3	LA	123	0	1	7670.8	14938.8	2465.6	2907.2	15270.4
GSM36913	LB3	LA	109	0	1	5727.5	18123.6	1781.7	5191.9	8279.9
GSM36916	LB3	LA	125	0	1	5200.1	10522	1723.9	2376	9983.5
GSM36917	LB3	? LA	144	0	1	5393.7	22113.6	1774.5	3503.5	14330
GSM36919	LB3	? LA	153	0	1	4870	14836.9	2152.9	2868	22274.8
GSM36971	LB3	LA	19	1	1	3888.5	7725	1643.9	4103	8537.1
GSM36972	LB3	LA	37	1	1	3444.3	16935.4	2257.5	4149.7	16779.4
GSM36976	LB3	LA	38	1	1	3066.2	13195.9	2849.3	2415.5	12212.4
GSM37009	LB3	LA	122	0	1	7109.5	11141.2	1310.1	861.3	9228.4
GSM37062	LB3	? LA	54	0	1	5252.1	7747.4	1732.5	2570.6	9724.1
GSM36979	LB3	? LB2	107	0	1	4925.2	13143.1	1508	2237	14974.8
GSM36985	LB3	? LB2	55	1	1	5951.8	8383	1371.5	2295.8	33080.2
GSM37018	LB3	? LB2	20	1	1	9742.8	18766.7	1365.1	2288	23569
GSM36811	LB3	LB3	62	1	1	6562.8	10658.3	522.4	3162.9	23818.4
GSM36819	LB3	LB3	131	0	1	5893.6	6023.1	2254.8	2994	20146.6
GSM36832	LB3	LB3	119	0	1	3805.9	15976.1	1688	3987.2	15814.5
GSM36836	LB3	LB3	99	0	1	7715.7	5086.9	1834.3	4692.9	16732.9
GSM36837	LB3	LB3	137	0	1	5529.5	14550.7	1394.3	1620.8	12320
GSM36838	LB3	LB3	34	1	1	7982.8	11242.8	2253.3	7733.3	11031.9
GSM36848	LB3	LB3	105	0	1	3934.8	10499.7	1012.5	3828	11145.6
GSM36850	LB3	LB3	121	0	1	6563.2	11448.1	939.9	2144.4	21703.8
GSM36853	LB3	LB3	105	0	1	4197	19393.3	1650.9	2359.7	16758.5
GSM36881	LB3	LB3	11	1	1	4275.4	15343.1	1382.7	2803.4	22537.3
GSM36887	LB3	LB3	108	0	1	5272.2	18716.6	2385.2	2989.4	24941.4
GSM36888	LB3	LB3	28	1	1	5247	19688.2	1243.7	3868.9	12868.9
GSM36893	LB3	LB3	124	0	1	10040.2	17378	1580.1	3832.7	37081.6
GSM36897	LB3	LB3	25	1	1	9438	12601.9	2198.7	4427.3	27375.8
GSM36903	LB3	LB3	8	1	1	6636.7	8057.1	899.6	2800.6	14866.8
GSM36921	LB3	LB3	108	0	1	5271.7	19415.3	1600.8	2602.6	17031.5
GSM36942	LB3	LB3	152	0	1	5169	6065.6	1095.2	1700.9	13372.5

GSM36950	LB3	LB3	28	1	1	13364.4	21842.5	1770	3543.3	18467.4
GSM36956	LB3	LB3	32	1	1	5120.8	10803.5	1044.6	3441.3	35299.2
GSM36957	LB3	LB3	47	1	1	12256.7	23893.8	2018.9	3299.9	11083.8
GSM36965	LB3	LB3	134	0	1	6302.1	2209.7	783.5	1241.4	16713.8
GSM36997	LB3	LB3	44	1	1	11897.2	7393.9	2314.8	4617	16527.2
GSM36883	Potential LB1	HER2+NI	88	0	1	6255.4	1367	1853	1376.1	9852.3
GSM37030	Potential LB1	LA	44	1	1	6082.8	12444.3	2205	4170.4	14651.6
GSM37039	Potential LB1	LA	48	1	1	9092.6	9354.5	2993.4	4082.5	12428.4
GSM36974	Potential LB1	LB1	23	1	1	4475.4	22259.8	3083.5	3789.6	9313.9
GSM36873	Potential LB2	LB1	100	0	1	9893.1	14682.3	2363.8	2837.1	11586.9
GSM36895	Potential LB2	LB1	96	0	1	2343	14540.3	3667	7784.4	23988.5
GSM36878	Potential LB2	LB2	98	0	1	6623.1	11472.6	2083.7	4710	29691.4
GSM37003	Potential LB2	LB2	19	1	1	2805.4	7569.8	1607.1	2979.3	15241
GSM36813	Potential LB3	BA2	49	1	1	5862.7	11108.2	1248.5	4182.1	6290.2
GSM37008	Potential LB3	LA	70	1	1	6645.8	16135.8	1784.5	2709.1	11071.3
GSM36778	Potential LB3	LB3	50	1	1	8681.8	13957.2	917.1	4476	26224.8
GSM36803	Potential LB3	LB3	93	0	1	7626.9	28155.7	1571.1	5067.7	18255.8
GSM36823	Potential LB3	LB3	119	0	1	12029.9	8016.1	1189.2	4142.1	14674.7
GSM36874	Potential LB3	LB3	30	1	1	5249.5	10756.2	1570.6	2592.7	13531.9
GSM36908	Potential LB3	LB3	15	1	1	7138.2	19268.6	2070.2	4155.6	19604.3
GSM36910	Potential LB3	LB3	125	0	1	6241	17333.4	1460.8	1699.7	12557.3
GSM37057	Potential LB3	LB3	59	0	1	6427.9	10738.3	2620.9	2647.2	35449.2
GSM36816	Potential Luminal	BA1	98	0	0	2854.5	1306.7	560.6	672.4	4062
GSM36886	Potential Luminal	BA2	94	0	0	3702.4	4235.5	667.4	434.6	2525.6
GSM36918	Potential Luminal	BA2	11	1	0	1259.3	3093.5	621.3	1061.1	4509.5
GSM36791	Potential Luminal	LA	79	0	0	10710.1	3695	2019	2462.2	15552.6
GSM36812	Potential Luminal	LA	80	0	0	6592.1	3353.3	1975.2	3431.8	9987.1
GSM37056	Potential Luminal	LA	82	0	0	5717.8	5917.4	1243.4	3618.4	8852.3
GSM37061	Potential Luminal	LA	105	0	0	7415.1	6845.5	2772.7	1910.9	21321.3
GSM36800	Potential Luminal	LB1	37	1	0	18453.3	19802.6	2104.3	2846.1	19874.1
GSM36822	BA1	BA1	50	0	0	357.4	231	119.5	380.2	9369.4
GSM36827	BA1	BA1	156	0	0	730.8	296.3	190.3	83.6	2677.6
GSM36912	BA1	BA1	97	0	0	619.9	156.3	135.8	110	4314.8
GSM36935	BA1	BA1	114	0	0	533.8	394.2	233.4	644.9	6778.4
GSM36940	BA1	BA1	134	0	0	317.4	161.7	75.1	271	5480.2
GSM36941	BA1	BA1	9	1	0	195.1	282.7	103.6	115.8	5939.6
GSM36949	BA1	BA1	6	1	0	661	390.5	64.4	346.2	3386.2
GSM36966	BA1	BA1	90	0	0	483.3	169.1	63.4	360.2	4096.8
GSM36969	BA1	BA1	32	1	0	483.3	344.6	116.5	310.4	3377.5
GSM36991	BA1	BA1	114	0	0	869.7	197.8	560.9	316.6	9623.3
GSM37017	BA1	BA1	108	0	0	412	413.4	61	285.4	2917.9
GSM37021	BA1	BA1	109	0	0	508.8	289.6	88.3	161.4	4882.3
GSM37022	BA1	BA1	30	1	0	407.5	406.6	80	691.7	2376.6
GSM37040	BA1	BA1	6	1	0	558.6	276	166.4	69	2412.5
GSM37045	BA1	BA1	123	0	0	348.7	354.8	89.5	177.8	3180.8
GSM36846	BA2	BA1	103	0	0	2753.1	391.1	138.1	590.6	8172.4
GSM36876	BA2	? BA1	133	0	0	153.2	405	144.3	368.8	3258.4
GSM36891	BA2	? BA1	87	0	0	585.5	262.2	88.4	136.7	6230.1
GSM36981	BA2	BA1	87	0	0	946.7	140.5	84.3	99.4	2290.7
GSM36793	BA2	BA2	101	0	0	1610.5	1167.3	321.9	611.1	4809.4
GSM36797	BA2	BA2	9	1	0	533.1	291.1	132.9	87	3862.3

GSM36809	BA2	BA2	56	0	0	1336.7	429.4	103.9	53.7	4119.5
GSM36828	BA2	BA2	76	0	0	462.7	351.7	122.3	268.7	3615
GSM36835	BA2	BA2	14	1	0	1231.8	947.6	245	235.7	7820.2
GSM36855	BA2	BA2	128	0	0	1184.7	222.8	70.8	153.5	3588.5
GSM36862	BA2	BA2	25	1	0	964.2	401.7	159.4	221.9	5306.5
GSM36875	BA2	BA2	7	1	0	1076.6	238.1	26.5	269.2	5375.5
GSM36909	BA2	BA2	95	0	0	3591.1	691.2	117.2	136.5	3573.3
GSM36923	BA2	BA2	23	1	0	429.7	156.7	273.4	121.9	6982.3
GSM36937	BA2	BA2	11	1	0	1316	364.4	307.7	157.3	9603.2
GSM36952	BA2	BA2	13	1	0	808.3	496.3	120.6	19.2	5547.4
GSM36959	BA2	BA2	120	0	0	866.7	153.7	159.6	12.3	2499.4
GSM36977	BA2	BA2	124	0	0	336.7	523.9	229.1	292.3	9190.6
GSM37002	BA2	BA2	16	1	0	544.4	230.6	541.9	108.9	3048.3
GSM37043	BA2	BA2	161	0	0	910.8	329	107.3	140.8	3881.9
GSM37048	BA2	BA2	87	0	0	720.6	579.7	292.1	555.8	7906.5
GSM37053	BA2	BA2	33	1	0	1206.7	164.1	83.3	158.1	4501.3
GSM36788	Potential BA1	BA1	79	0	0	881.1	360.6	123.9	263.5	2025
GSM36847	Potential BA1	BA1	85	0	0	543.2	401.8	131.6	177.1	5076.8
GSM36865	Potential BA1	BA1	103	0	0	616.8	804.8	141.9	787.9	2356.9
GSM36906	Potential BA1	BA1	101	0	0	2047.8	382.8	731.2	551.9	5743.3
GSM36955	Potential BA1	BA1	25	1	0	1559.9	410.4	995.6	259.7	6581.2
GSM36795	Potential BA1	BA2	88	0	0	502	505.3	261.3	190.3	3387.1
GSM36863	Potential BA1	HER2+i	98	0	0	3525.4	2371.9	1219.3	1591.9	4408.8
GSM36905	Potential BA1	HER2+i	17	1	0	230.6	417.5	67.9	258.7	485.4
GSM36854	Potential BA1	LA	105	0	0	2728.8	6241.7	1192	1318	2411.7
GSM36798	Potential BA2	BA1	106	0	0	690.3	442.4	179.7	418.6	3140.7
GSM36808	Potential BA2	BA1	58	0	0	1567.8	3452.9	1177.7	472.1	8284.4
GSM37050	Potential BA2	BA2	18	1	0	684.1	429.4	77.3	32.2	1270.1
GSM36817	Potential Basal	BA1	113	0	1	399.6	1414.3	188.6	278.1	5778.5
GSM36824	Potential Basal	BA1	86	0	1	375.2	289.2	99.4	88.4	3040.2
GSM36889	Potential Basal	BA1	108	0	1	1889.1	1342.9	843.2	645.3	8967
GSM36890	Potential Basal	BA1	116	0	1	1251.9	1458.8	1268.7	625	7953
GSM36901	Potential Basal	BA1	101	0	1	415.7	549.1	11.1	110	5645.8
GSM36927	Potential Basal	BA1	8	1	1	348.3	671.4	71	713.2	8681.8
GSM37047	Potential Basal	BA1	108	0	1	574.9	277.8	167.2	122.7	4121.2
GSM37051	Potential Basal	BA1	18	1	1	455.1	366.5	139.6	289.6	2877.2
GSM36794	Potential Basal	BA2	87	0	1	1588	738.3	121.4	89.7	606
GSM36900	Potential Basal	BA2	109	0	1	297.1	405	155.7	960.4	5671.3
GSM36902	Potential Basal	BA2	28	1	1	967.6	686	499.6	321.6	3017.2
GSM36931	Potential Basal	BA2	37	1	1	772.6	555.5	198.5	134.9	2572.1
GSM36960	Potential Basal	BA2	51	1	1	496.4	203.6	82	71.8	3151.8
GSM36933	Potential Basal	HER2+i	110	0	1	2399.6	3458.9	1353.7	1278.2	8803.4
GSM36780	HER2+i	HER2+i	84	0	0	1267.6	306.7	2053.3	990	19926.3
GSM36781	HER2+i	HER2+i	147	0	1	1951.7	472.2	1322.2	1067.1	4319.8
GSM36801	HER2+i	HER2+i	125	0	1	3995.8	12330.7	1525.6	3066.7	5568.9
GSM36851	HER2+i	HER2+i	100	0	1	771.6	709.6	990.1	691.8	7578.3
GSM36860	HER2+i	HER2+i	30	1	1	8981.6	1952.9	1093.1	2170	30209.5
GSM36884	HER2+i	HER2+i	129	0	1	7911.1	1198.8	1985.6	1589	21755.9
GSM36915	HER2+i	HER2+i	97	0	0	1284.5	478.5	1233.7	369.2	11535.1
GSM36929	HER2+i	HER2+i	93	0	1	7748.7	2312.8	1389.3	2908.5	18094.9
GSM36934	HER2+i	HER2+i	171	0	1	6429.3	10672.6	1506.7	1090.8	18791

GSM36978	HER2+I	HER2+I	148	0	0	1775.4	569.7	1074.8	550.9	6211.2
GSM36995	HER2+I	HER2+I	113	0	1	6734.4	3778.6	1394.7	2107.5	18117
GSM37034	HER2+I	HER2+I	88	0	0	2493.9	310.5	1321.9	574	10994.8
GSM37049	HER2+I	HER2+I	29	1	0	1776.4	3700.6	1089.7	564.1	5966.9
GSM36963	HER2+I	LB3	60	0	1	6840.9	9268.7	2026	1482	4557.7
GSM37052	HER2+NI	BA2	32	1	0	1795	208.9	724.2	13.6	7746.3
GSM36968	HER2+NI	? HER2+I	152	0	0	4168.6	288.6	1260	1275.7	20087.9
GSM36786	HER2+NI	HER2+NI	66	0	1	8512.5	3733.6	2016.1	1827.6	10674.9
GSM36834	HER2+NI	HER2+NI	109	0	1	5897.1	9656.4	1472.2	3229.1	8795.1
GSM36852	HER2+NI	HER2+NI	107	0	1	3636.6	1624.9	2135	2026.1	13836.7
GSM36858	HER2+NI	HER2+NI	14	1	1	9567.3	5003.2	1364	2656.1	14878.9
GSM36872	HER2+NI	HER2+NI	7	1	1	2458.3	8210.3	1337.6	1125.1	10592.3
GSM36904	HER2+NI	HER2+NI	98	0	0	4490.1	781.6	1456.2	707.2	16460.7
GSM36926	HER2+NI	HER2+NI	24	1	0	3179.7	336.9	1563.2	838.7	12100
GSM36964	HER2+NI	HER2+NI	12	1	0	648.1	616.6	1112.8	186.1	16588.3
GSM36975	HER2+NI	HER2+NI	110	0	1	1857.5	474.7	1283.4	996.7	19567.9
GSM37001	HER2+NI	HER2+NI	33	1	1	3562.5	1567.1	1837.1	1364.7	10680.5
GSM37020	HER2+NI	HER2+NI	48	1	0	7297.2	1255	1548.2	1726.3	16682
GSM37023	HER2+NI	HER2+NI	14	1	0	1347.1	395.6	1464.4	717.7	16918.8
GSM37036	HER2+NI	HER2+NI	15	1	1	2801.8	2159.2	2264.9	1924.1	14120.1
GSM37031	HER2+NI	LA	18	1	1	3677.3	11094.1	2563.2	3065.7	22309.5
GSM36930	HER2+NI	LB1	84	0	1	2501.5	20670.8	3778.2	4304.7	20549.7
GSM36833	Potential HER2+I	HER2+I	54	0	0	1094.3	204.1	1125.8	25.4	7113.4
GSM36879	Potential HER2+I	HER2+I	39	1	0	2057.3	723.1	1336.2	605.8	12589.1
GSM37016	Potential HER2+I	HER2+I	108	0	0	1671.1	387.2	1496.5	692.6	14717.4
GSM36920	Potential HER2+I	HER2+NI	20	1	1	2974.3	3650.5	1902.4	1045.3	7457.4
GSM37042	Potential HER2+I	HER2+NI	14	1	0	426.3	260.6	1323.1	322.2	19236.9
GSM37055	Potential HER2+I	HER2+NI	59	0	0	2719.5	947.5	2132.6	1142.6	13858.6
GSM36842	Potential HER2+I	LB3	81	0	1	7090.3	12318.9	1120.7	1611.2	33278.8
GSM36992	Potential HER2+NI	HER2+I	104	0	1	1202.7	695.5	1501.6	1041	11527.2
GSM36799	Potential HER2+NI	LA	75	0	1	5633.4	9685.5	1561.2	3813.6	21256.1
GSM36815	Potential HER2+NI	LB3	72	1	1	6935.6	14028	1835.9	3033.4	13946.6
GSM37019	Potential HER2+NI	LB3	146	0	1	4134.8	4948.5	1135.8	1697.2	16765.5
GSM36814	Potential HER2+	BA2	61	1	1	4415	5407.9	1007.4	1713.2	15246.7
GSM36894	Potential HER2+	HER2+I	109	0	1	3140.1	4259.4	1678.8	1488.5	9722.2
GSM36953	Potential HER2+	HER2+I	84	0	0	3158.5	887.3	1362.6	1223.5	14661.1
GSM36961	Potential HER2+	HER2+I	153	0	0	592.9	288.2	1189.6	285.1	13801.4
GSM36996	Potential HER2+	HER2+I	24	1	1	1955.7	847.5	1910.7	657.8	14030.5
GSM37054	Potential HER2+	HER2+NI	66	0	0	2076.1	658.7	2293.2	474.9	19066.4
GSM36870	Potential HER2+	LB2	30	1	1	9144.6	21887.4	1924.6	5164.5	21462.7
GSM37060	Potential HER2+	LB2	81	0	1	6542.3	5042.5	1546.9	1184.8	13114.6
GSM37025	Potential HER2+	LB3	107	0	1	4995.7	16316.1	2031.7	3104.6	14506.7
GSM37033	Potential HER2+	LB3	161	0	1	6680.3	3514.2	1465.3	2313.4	12134.9

Classifier of **Supplementary Table 1**. Column 1 shows the sample id as used in Wang et al dataset. Columns 2-13 are the centroid classifier described in **Supplementary Table 1**.

SCUBE2	SLC39A6	TFF3	VAV3	XBP1	CCNE1	CDH3	CRYAB	CX3CL1	DSC2	#NAME?	KRT17	KRT5
1603.1	8469.7	15518.8	3862	7204	117	2104.5	2023.3	2076.5	326.5	797.9	3548.2	4346.5
1602.3	8676.1	15616.7	4807.4	8817.8	236.9	1091.9	1110.1	1023.9	103.1	201.4	3307.6	2793.8
5533.4	14120.2	9320.4	4050.3	11048.9	128.5	1150.8	2404.9	1085.8	187.6	194.9	3515.9	4312.8
1029.3	11493.1	3563	2057.8	8653.6	282.6	1808.2	1316.1	1102.2	242.2	305.5	1454.7	1754.2
756.4	4049.8	321.7	971.9	4113.3	340.1	234.1	353	274.7	252.7	492.8	748.5	294.3
3400.4	7794.8	936.9	4699.6	8084	107.3	912.5	4377.7	1024.3	182.6	390.7	1697.8	3133.1
779.8	43139	5106.4	3308	7639.9	196.1	1264.9	1089.8	810.9	202	380.3	3410.3	2615.4
787.3	16088	1777.1	2172.5	4383.6	151.2	26.1	933.3	177.2	212.6	14.8	463.6	349.3
4595.5	19309.4	7686.5	2990.8	10189.6	203.9	138.4	633.4	313.3	148.8	105.1	643.4	431.2
2175.1	15021	7836.2	4905.4	12503.4	166.2	91.8	922.1	471.5	166.3	153.6	1063.6	1004.5
1076.4	21179.5	14610.1	4321.3	9884.3	93.5	357.6	645.6	331	207.8	87.5	860	1076.5
5406.5	16622.4	16879.2	3249.2	11824.3	107.8	283.2	883.1	528.7	157.3	240.7	1168.1	573.4
6548.9	28252.4	13083.6	3181.9	16201.3	183.2	246.8	958.8	301.9	204	242.8	1171.1	857.8
10123.4	6506.8	370.1	7268.1	6240.7	95.5	57.9	1411.3	505.1	123	138.3	380.4	388.7
1036.3	23064.7	1018	4605.9	6326.2	212.3	86.4	1213.9	1023.1	155.5	171.7	952.7	1243
5377.7	9057.5	4487.7	3415.8	6166.9	64.8	671.5	542.5	690.5	95.9	199.9	3137.8	962.6
4016.8	13193.2	1169.9	4459.2	13084.3	131	435.3	1349.4	792.7	166.2	230.2	1544.2	2349.2
7873.8	11703.1	5538.7	2629.2	8544.4	189.9	375.9	442.2	579.1	76.3	204.5	828.8	584.9
4592.7	10519.6	4953	1784.9	11432.6	138.6	252.3	1063	637.2	134.5	283.8	1640.5	1405.6
4093.6	17790.8	8920.7	4099.4	11640.3	110.5	675	1555.6	497	71.1	424	1651.8	1790.4
4653.4	13464	2404.4	6224.5	8364.6	143	409.1	779.1	703.9	128.5	261.4	1100.9	1122.5
5983	10531.2	2971.8	6428	10228.7	97	10.5	1224	201.4	232.6	168	127.5	112.5
6818.4	15004	1837.6	3829	9401	114.3	765.1	836.5	471.1	198.8	222.8	1343.1	483.9
1049.6	14618.4	4725.7	6104.1	14746.5	173	78.7	678.6	666.4	235.4	287.2	1107.6	395
1297.5	20382	6365.9	3927.8	10151.8	242.5	563.1	926.1	480.6	110.2	164.5	1140.7	1509.3
7996.9	24796.1	24588.8	7543.9	9770.9	144.8	124.4	1103.8	248.4	156.9	61.4	565	402.3
4485.8	9135.2	184.7	2365.6	10041.7	159.4	90.1	493.5	242.7	97.3	120.9	288.5	245.2
5219.4	27390.8	1383.5	2318.9	7573.6	182.3	23.8	807.8	251.5	136.4	187	188.6	53.7
7019.3	7505.1	4514.2	3323.9	7862.1	114.5	730.4	1717.8	1942.6	507	290.4	2973.7	2776.7
1980.5	8489.3	1577.7	3620.5	6368.2	17.5	486.3	3282.4	634.8	386.9	259.9	1414.3	1782.4
808.7	5784.8	664.2	3131.8	5842.5	129.1	428.6	884.7	233.7	271.7	127.1	364.8	383.7
3039.9	16733.1	567.4	2378.9	8034.6	144.5	26.8	532	300.2	260.4	224.9	168.3	253.4
830.9	9398.6	3264.4	654.9	16014.6	173.1	258.6	976.8	342.8	96.1	54.3	502.9	425
1766.5	12113.1	2176.4	3483	9452.8	251.5	229.3	1131.6	502.2	114.6	154.9	588	498
1842.4	8057.8	5099.1	4269.1	14446	146.5	16.9	270.5	314	46.8	104.6	69.3	130.7
2439.1	14978.1	578.7	3675.9	8689.7	192.2	835.9	666.8	318.7	71.1	99.7	203.5	116.8
12857.1	11835.8	15494.5	8534.4	5900	106.7	19.8	389.8	196.1	135.5	241.8	120.9	77.7
1076.9	16710.3	6797.4	12376.4	11581.9	88.2	73	451	333.9	82.8	261.3	843.5	661.1
9923.4	15015.3	3121.7	4458	8930.7	120.9	21.9	998.6	279.5	91.7	225.6	296.1	121.9

3215.2	18728.7	18828.4	6718.3	6452.1	171.1	786.6	806.5	676.8	139.2	180.7	2717.9	1951.2
1960.5	27262.6	14927.7	3162.8	12864.7	231.8	712.4	492.7	260.9	351.4	223.3	1364.3	724.8
9500.7	19228.5	2110.7	5723.1	13898.7	73.9	179.6	490.9	477.3	97.2	195.9	337.2	749.6
1549	8388.1	1643.4	5863.4	18123	266.4	1320.3	627.9	569.6	246.3	237.9	2440.2	1682.6
175.8	12269.6	13056.2	3230.6	13782.8	226.4	1040.3	295.5	312.7	108.9	134.3	387.5	253
3588.2	7310.2	13465.3	1915.7	9116.2	219.2	794.5	664	708.2	176.8	217.1	931.4	498.6
420.8	2805.2	621.2	5100.5	5733.3	237.5	29.7	281.5	353	67.2	85.4	640.2	269.9
2810.7	21115.4	15959.1	2230	14157.9	152.6	92.4	373.9	202.2	140.3	96	126.2	111
1803.1	15000.2	1764.3	6225.1	12056.2	146.2	31.9	541.9	167.1	127.8	165.5	151	151.2
10281.2	31758.3	2925.1	4179.9	18390.5	55.7	517.5	1100.7	587.3	180.7	215.9	2314.7	1294.1
1261.1	7422.8	23650.1	4442.2	11012.6	214.2	57.6	642.7	631.9	75.1	135.7	307.7	111.4
638.2	20377.5	15482.7	253.3	12674.8	116.5	22.9	819.8	369.3	109.8	166.8	294.7	248
6970.7	12677	4143.2	7792.9	12195.8	142	93.6	726	353	230.1	110.9	766.3	407.6
14800.5	19911.8	16809.8	6069.4	10878.4	200.4	832.5	568.2	335.3	154.4	187.2	2234.5	1729.2
1036	19526	21077.5	1742.1	15649.2	116.9	29.2	1204.6	273.3	141.8	130.4	270.7	372.7
4404.7	9773.7	2068.9	7309.9	11260.4	166.4	81.4	565.8	308.9	232	270.4	505.2	556
6663.4	12770.5	12694.6	5251.1	11519.4	122	298	732.5	269.4	109.4	175	425.8	444.8
1757.5	4688.6	4317.9	3445.3	10695.6	250.4	180.4	421.9	567.1	170.5	263.7	397.2	280.4
3253.6	9119.8	5123.2	5976.5	10977.1	220.3	93.9	779.8	517.5	111	332.7	1111	1214.3
70.2	24908.3	64802.1	718.5	20766.5	134.8	20.9	181.2	171.7	56.5	198.6	219.8	114.5
788.3	29422.2	5396.9	6211.5	16613.7	137.2	63.9	321.6	319.5	248.2	167.3	1059.9	678.5
1397.3	14315.7	1484.4	5760	15685.3	131.2	728.9	803.3	590.7	170.5	192.2	2200.4	1210.7
4954.3	24222.2	3443.7	2312.1	16120.1	191.1	611.4	376.9	262	100.1	129.7	231.1	331.2
2974.5	22995.8	487.4	2946.2	14583.9	259.3	734.7	292.5	213.1	116.9	186	180.4	126.7
6787.1	34758.4	5357.6	2156.1	17565.8	116.8	12.9	481.2	196.7	231.9	193.3	271.5	140.6
1397.7	15745.7	4771.1	4006.1	8715.6	331.1	891.3	339.1	328	200.6	206.8	844.4	363.8
6443.8	20113.7	41417.3	3528.4	13706.1	139.1	26.6	378.1	125.3	157.1	121.5	258.8	246.8
2214.3	19424.6	2551.2	1991.7	12910.2	120	78.7	513.9	307.1	267.9	145.6	525.7	326.6
18461.2	35664.8	3757.6	4393.7	25381.7	174.1	24	338.7	355.3	64.2	228.1	405.2	381.3
9305.7	17891.2	7496.3	2589.5	16216.4	87.2	21.5	215.9	384.2	95.5	202.6	361.1	184.7
2796.6	27209.2	962.6	1551.4	8953.5	161.9	28.6	644	336.7	154.4	78.5	426.4	273.9
21600.8	31604.3	11437.9	5142.6	19233.5	180.5	89.7	271.3	483.2	72.5	253.1	196.6	186.6
20952.4	27970	3110.8	8037.7	15326	144.5	32.3	214.3	404.8	68.7	198	608.2	300.1
18715.6	19827.1	5306.7	7525.6	18473.7	116.6	18.6	345.4	321.2	38.9	93.2	305.6	221.5
2293.1	9424.8	4711	520.3	14207.6	221.3	44	360.8	513.8	206.1	207	145.9	96.7
5373.4	19460.7	14015	3775.8	13773	298.7	36.8	320.1	388.8	249.1	134.8	685.6	370.8
3429.2	18558.6	5933.9	6423.9	14393	120.1	35.3	543.2	468.5	61.9	69.4	414.8	343.6
1335	30431.8	4036	564.8	23131.9	229	36.4	73.9	235.7	92.2	327.5	155.2	53.4
3041.4	7001	9692.5	2766.7	6334.6	159.5	29.2	415	230.1	162.1	106.6	295.2	218.7
3915.3	12369.5	3267.9	3335.4	19755.6	146.7	26.5	258.2	224.8	97.4	76.7	277.8	158.1
6204.8	20019.6	2615	2044.5	13715.3	332.6	112.5	450.8	352.9	100.4	394.9	523	359.4
821.9	32273.8	6655.2	2255.1	14099.9	109.5	246	554.5	217.5	184	130.5	581.5	333.5
1578.8	26755.3	5481.1	2912.1	15747.4	146.9	338.3	339.7	383.4	395.7	210.4	1206.8	687.5
11227	15521.7	14947.8	2683.3	22728.2	340.5	21.3	372.4	214.2	173.1	231.3	161	282.6
8520.7	15221.3	729.3	8378.2	25137.4	144.1	250.2	830.1	458.5	200.1	148.4	1439.9	1012.1
2766.2	16334.5	1251.5	7813.7	14761.4	160.8	248.6	935.7	214.9	141.9	129.9	148.1	82
1249.5	12709.4	41612.2	591.6	14410.7	132.3	14.1	467.8	257.2	86	19.7	169	40.2
514.4	18995.6	529.6	4188	6055.6	613.3	207.9	862.5	328.2	130.5	283.3	365.1	148.4
1029.2	15608.1	19390.5	7536.8	10591.7	177.6	455.3	694.8	624.5	161.6	230.9	1602	1517.9
10397.8	23351.6	2049.8	3862.6	7885.9	266.5	78.5	315.6	391.2	150.5	165.5	178.1	135.3
3369.2	19695.3	4134	4348.9	7986.6	350.7	30.6	71.5	344.1	225.3	148.5	425.3	339.5

4911.5	33088.1	1469.8	11692.2	12237	291.7	40.3	379.7	317.9	57.7	90.3	540.8	408.6
2308.5	39667.4	3447.5	8000.1	9674.3	101.8	60.9	648	330.6	137.5	41.7	581.6	534.4
5455.9	8268.5	6898.9	2893.6	8099.9	289.9	1123.1	147.6	145.2	49.9	126.9	180.7	169.2
1486.3	12003.8	7802.2	6328.7	9171.5	238.3	641.1	365.6	1029.5	58.5	81.7	919.6	545
5675.6	19431.1	57580.4	1336.8	12425.7	361.6	230.2	310.5	317.3	108.7	155.3	321.2	276.8
6551.1	31958.1	1550.4	7729.7	17743.1	204.7	48.9	277.9	194.5	35.1	216.5	528.6	293.8
29.1	25213	14016.1	3344.2	11169.6	186.1	49.3	202.7	284	150.8	144.5	110.1	30.6
4561.5	46044.3	1292.1	1584	7789.7	211.5	392.2	374.1	294.8	108.8	175.7	286.7	290.8
390.3	21473.2	3835.1	4139	5224.2	218.8	584.3	191.2	347.1	144.5	285.5	304.3	101.7
967.2	24261.7	510.2	1933.1	5653.5	269.5	482.8	732.8	450.4	67.3	217.1	844.3	400.9
3355.4	43123.8	11985	4150.9	6664.5	139.3	37.6	480.2	274.8	206.9	220.1	652.4	441.6
1920.8	25296	2355.3	2347.1	8365.4	224.2	66.1	373.7	520.1	196.8	410.3	519.6	530.7
318.1	31773.5	1264	4489.8	11478.1	193.2	42.3	204.7	160.8	134.9	120.7	509.7	341.3
1648.9	17807	656.8	3788.8	12577.8	243.6	90.4	171.5	377.1	138.4	175.2	331.7	385.8
3697.1	13487.8	12909.8	3320.2	6594.8	410.6	95.4	326.2	353.9	133	85.9	790.5	487.3
913.5	18990.6	17069	5593.2	14042	209.1	74.1	254.5	311.6	135	201.5	313.8	159.9
4723.8	30384.2	5007.6	5698.8	12483.7	235	1002.8	686.3	407.7	219.8	355.3	2889.2	1084.1
14124.5	13557.8	7768.4	2890	14074.5	167.5	35.1	431.3	517.9	178.9	140.9	485.8	403.4
4434.1	8974.4	7122.7	3545.8	6235.9	257.6	749.3	838.6	753.3	137.3	301.7	2854.5	2444.4
3405.2	22633.1	7032.7	2700.6	8350.6	278.1	1813.7	1059.5	731.9	76	153.1	4370.7	4579.1
2111.3	14224.5	4211.1	4302.7	6537.4	205.1	1665.7	617.2	527.6	225.2	159.4	513.4	363.3
2573.5	29846.9	7313.5	5813	18200.6	107.6	26	375.9	270.1	88.2	270.1	236.1	209.9
524.8	13966.9	1060.1	4637	4948.9	162.4	81.8	655.3	422.8	249.4	323.3	563.4	544
2826.9	22611.8	1138.2	6429	8927.5	100.9	1226.3	1398.5	540.9	111.9	351.9	2951.6	3483.1
5727.6	10342.2	5938.1	4586.2	8248.4	160.5	433.7	730.8	358.4	95.7	219.9	1187.3	1436.4
5876.7	15030.3	8503.7	9829.4	8908.2	203.1	643.8	359.2	376.4	117.6	150.6	1096.4	957.1
3302.8	9480.6	2637.1	5707.8	10095.9	227.9	412.1	521.1	338.2	86.1	167.5	696	452.1
753	11708.1	4542.9	3637.6	13761.8	214.7	41.9	518.3	239.7	121.8	194.9	331.9	122.7
861.9	12782.2	29837.1	5115.3	9463.4	151.6	378	584.6	624.3	69	224.6	710	1126.1
2317.6	26896.1	5008.1	2625.5	4572.8	310.9	215.9	633.9	382	222.5	193.1	1242.3	830.3
497.1	12900.9	1090.2	3384.7	5943.1	425.9	77.3	590	795.1	151.3	207.7	373.1	399.1
2476.9	9703	1933.6	3013	10533.8	148.6	264.2	1663.4	441.7	44.6	349.8	492.9	283.8
2808.6	20288.7	7672.6	2977.4	10432.4	168.3	578.4	2230.2	445.4	62.4	245.6	526.7	465
7664.9	12230.8	8208.7	2790.1	6067	361.6	421.2	1537.2	226.4	123.1	188.1	322.9	174.8
5145.2	40692.4	9817.4	4411.8	4195.3	355.7	645	521.9	809.5	235.5	497.8	1802.7	869.1
6127.6	10464.3	23528.3	6756.7	10862.5	142.8	972.9	924	461.4	53.6	215.1	1112	1141
829.2	18646.8	30170.2	372.6	12159.1	169.7	122.9	729.5	490.5	95	235.3	1407.2	753.7
6476.5	23763.4	2821.2	6199.6	7568.5	329.3	151.5	603	579.2	68.7	265.3	504.2	505
14473.1	32465.6	9309.9	497.7	7244.8	285.7	37.3	822.6	235.8	39.6	445.2	158.1	139.6
4906.4	30728.3	7882.1	3738.6	10410.3	430.2	85.4	652.5	492.1	243.3	375.5	367.2	715.4
7069.3	19147.9	2563	4961	4979.6	170.4	580.6	1141.3	542.2	112.4	179.3	993.9	986.6
1948	21758.2	35158	6329.8	6758.9	345.5	78.8	695.2	466.6	142.3	413.8	457.3	133.1
11198.2	33982.1	36307.1	3511.2	8520.3	118.3	15.1	1749	394.4	129.2	156.8	465.3	156.9
4532.7	20085.2	4428.7	3313.7	5633.4	156.2	347.8	817.4	211.5	110.3	161.6	110.5	33.4
3495.2	33334.9	14748.5	1222.7	14269.8	198.1	41.9	874.5	544.9	124.3	148.2	1035.8	1038.7
283.7	11162.4	22582.6	3104	5953.1	118	375.6	912	313.6	100.1	94.1	406.2	333.9
6258.1	28146.3	1114.8	3535.4	10873.1	259.3	121.9	434.9	336	77	349	336.2	242.5
12825.7	33100.2	11298.1	8856.5	6817.2	373.2	999	663.9	631.8	139.3	411.6	1069.3	1435
2126.4	16279.6	3831	1930.3	11174.9	343	414.8	461.6	331.4	172.7	213.5	128.8	141.6
14164.4	15851.7	11594.7	3827	14859.8	319.7	54	407.1	350.7	88.1	116.5	276.3	323.8
390.9	14461.3	2467.1	6261.4	8644.3	227.9	355.5	395	436.9	94.2	239.8	384.6	325.2

9234.1	17022.7	3550	4532.1	6580.8	226.3	76.2	888.1	472.1	148.6	198.4	1041.4	629.5
3699.5	38180.3	56099.2	1836.1	4364	464.4	105.8	520.7	157.7	168.6	432.8	488.2	262.4
2822.2	23766.3	1873.8	4288.4	10778.6	91.8	88.2	1052.4	445	122.5	296	726.1	1031.3
6233.2	15851.4	4270.2	2062.5	9171.3	192.6	500.1	1744.7	394.8	84.3	120.3	393.8	541.9
9508.6	37227.1	9684.2	1842.2	12154.2	516.7	23.1	459.5	257.8	252.4	157.2	309.2	54.3
866.1	2169.4	680.8	4862.5	11104.3	275.6	639.8	1002.9	534.6	182.4	311.7	754.1	694.3
3776.3	12300.3	2540.5	3069.8	11653.2	166.2	100.7	211	263.6	176.5	150.9	389.4	40.9
6528.7	13616.5	7934.6	2360.8	15744.3	113.7	78.3	477.7	349.2	231.9	318.1	1153.6	864.7
261	11499	1059.8	8400.4	11120.6	330.8	22	201.4	208.3	178.5	16.9	278.9	111.7
4138.5	23540.3	11284	4073	15680.9	92.3	21	327.4	333.3	108.4	83.3	411.3	526.7
373.8	18160.2	79849.4	213	18686.4	267.6	31.3	319.2	215	140.7	285.5	393.7	241.5
2555.9	28350.1	23558.1	3826.7	11750.5	226	192.2	469.9	218.2	76.6	185.7	163	53.9
1554.9	32133.3	3915.7	7569.8	17646.4	408.4	27	336.6	372.2	123.1	84.6	237.5	86
1085.9	7756.6	1954.2	3242.4	6081.1	368.9	173	741.5	509.5	200.6	436.6	689.9	521
8850.3	7124	20949	1555.3	7090.8	86.9	18	1327.6	396.4	103.8	273.2	123.7	54.8
381.5	29563.8	20174.3	5224.1	4342.3	434.8	278.3	418.3	450.1	384.4	231.8	538.2	615.7
6755.1	40561.1	2214.8	4042	9928.5	296.1	107.5	360.5	269.4	100.1	380.4	180.3	199
3120.8	17752.8	2455.2	3381.8	9018.5	1611	686.4	278.7	1176.7	58.2	209.2	1065	646.8
3625.5	19813.7	6999.4	2710.1	8764.3	220.2	695.1	683.3	910.8	218.5	154.1	841.9	1516.5
4251.9	23364	36853.3	1101.3	9050.8	158.3	13.8	669.6	172.6	93.6	160.1	139.9	146.5
1839.5	22494.8	40386.6	6759.7	7738.4	114.7	59.8	924.8	243.6	169.4	281.3	388.8	292
3289.4	18569	7893.8	3299.4	9005.2	284.7	28.9	395.2	380.8	186.4	33.2	503.2	70.1
294.5	6716.7	2246.3	1841.3	5308.6	366.3	1076.6	1267.1	1103.3	133.9	287.6	963.2	651.9
823.4	7013.7	4751.3	2147.9	2591.2	355.5	1467.5	880.1	1049.3	234.8	265.8	490.9	271.5
2092.8	8851.2	316.4	2385.4	5621.9	1324	1615.1	16450	1253.8	212.5	1074.4	6003.3	10056.1
3228.8	8316.7	18806.2	4608.5	15498.1	172.1	49.6	516.8	446.1	302.4	360.1	558.2	676.9
3779.8	10948.4	9291	3664.5	9525.5	180	40.3	634.4	438.7	174.7	300.5	657.6	478
2109.4	14865.2	1142.4	5338	6591.9	182.1	576.1	1372.9	1099.2	184.5	401.1	1477.5	1642.4
2992.4	24650.2	4554.7	4097.3	14089.6	111.3	58.5	418.2	286.9	264.4	35.6	850.5	697.2
2156.9	15629	944.4	3218.6	12542.1	222.2	395	531.8	202.3	83.9	215	265.4	322.4
135.9	4329.3	165.5	275.8	5230	446.5	2987.4	4008	1741.5	358.4	818.7	865.5	755.9
123.6	1937.4	252.2	271.4	3406.9	334.5	1477.9	960.9	851.1	428.4	544.9	3629	3605
15.9	2598.4	156.2	612.9	1502.7	670.4	4859.9	5111.6	1453.4	705.5	1156	730.8	1195.3
271.9	2468.5	288.5	667.2	2000.6	402.4	1248.6	3476.1	1603.5	410.6	801.1	3749.6	3980
160	2668.3	1069.5	366.3	3419.3	1006.3	4244.9	10208	1420.5	528.9	864.2	2787.4	6013.5
162.4	5369.4	49.5	1266.4	1146	1027.2	52.7	2051.2	497	407.4	379.3	3708.5	3788.7
182.1	3572.2	191.5	579.1	3081.9	835.4	10997.1	4135.2	741.7	320.6	240	1356.6	332.6
108.8	4983.3	175.1	225.2	2068.2	310.9	1253.7	1127.3	1765.2	340.4	1735.6	1128.7	87.5
142.9	5162.5	139.2	844.6	2277.4	743.1	6523.6	2594	1210.8	1031.4	763	3370.6	901.4
107.8	5101	343.4	183.4	3070.7	837.3	1058.4	6384.2	676.5	354.6	402.7	3001.4	1825.6
23.1	5370	143.4	663	3392.2	587.9	4172.8	4055	2306.5	647	473.3	714.6	316.4
102	3907.8	213.1	1212.2	1123.8	2499	2202.4	354.1	488.5	340.5	850.9	417.8	399.3
171.2	5501.5	137.5	524.3	2691.8	437.5	3457.2	1746.8	1613.3	291.8	479.6	728.9	365.3
356.3	3253.7	174.5	357.2	2967.1	508.2	3054.5	5711.8	804.8	432.4	316.4	3410.9	969.1
69.1	2478	139.4	436.6	2029	487.3	2153.1	458.8	307.5	373	382.1	485	1683.7
105.6	8417	190.5	433.1	1321.3	786.8	4043.3	4319.2	1878.3	1143.8	1117.6	13807.4	6756.8
284	1611	29.4	406.8	1022.2	770.7	3164.4	6441.5	489.6	891.9	2459.5	1422.7	9726.6
244.1	3885.6	245	376.9	1767.9	323.5	1136.1	8240.9	528.7	496.7	1229.9	5826.7	291.1
133.2	4272.3	187.3	2185.8	1302.4	563.6	88.8	9737.2	1797.1	565.7	864.6	6554.1	2163
787.8	2932.7	638.2	1701.6	3758.9	290.3	1008.5	1159.8	2408.7	403.7	1935.5	916.6	1004.7
206.9	5592.7	166.9	653.8	1623.1	2253.9	728.5	5436.6	803.3	653.7	3228.4	3502.6	1835.3

261.9	5298.9	271.4	699.9	2127.3	247.9	2355.9	2198.6	656	361.1	557.4	15119.8	3622
200.4	6808	254.8	997.6	2196	766.4	1545.8	1248.5	485.1	370.5	687.4	3128.6	998.6
168.1	5861.2	140.2	1725.7	593.4	1336.6	1655.2	533	172.5	438.3	708.9	35362.9	5326
235.6	5362.7	214.5	481.8	2511.3	444.1	2623.9	4635.1	1130.5	525.4	1874	8557.4	1433
179.9	2958.5	197.2	879	963.3	600	3960.9	6056.4	674.8	451.7	569.3	14149.9	7227.8
201	6298	248.9	1700	936.2	956.4	593.6	1243.6	634.3	152.6	1176.2	444.7	680.5
199.2	4246	135.5	720.6	1352.6	261.1	3685.1	1314.8	407.5	200.1	134.7	26000.8	21003.7
424.9	2743	193.8	470.7	1356.1	454	1850.4	5045.8	1721.8	297.9	586.2	11836.8	1251
37.4	5914.1	100.1	1351.6	1779.3	420.9	4391.9	4731.6	772.4	1609.5	524.2	6576.7	1066.2
299.7	3686.2	224.8	439.4	1357.5	367.2	709.5	1256	656.3	520	2186	11018.4	590.3
307.7	5858.1	191.5	767	776.1	764.8	594.9	870	359.7	499.8	633.6	11400.2	17684.7
282.9	3313.7	196.7	633.2	714.9	2449.8	1922.4	1156.1	537.2	456.9	837.1	12827.4	4295.7
252.7	4953.6	794.1	1755.4	1882.2	424	1644.7	944.5	1031.3	1205.4	842.1	3332.1	3075.4
301.3	2160.2	172.3	519.9	2013.9	226.4	5029.4	4666.1	1467.4	599.7	619.7	7025.5	8796.6
651.1	4444.4	647.2	472.8	2831.5	561.1	2726.7	3406.5	1848.9	475.2	1318.6	5775.3	3377.6
159.5	4161.2	239.6	1291	903	431.6	2580	12285.8	2659.1	228.1	1721.9	1223.1	3278.2
179.3	2892.1	151.5	1315.6	3840.7	780.7	1535.5	328.4	1065.4	206.5	424.9	1347.9	13914.7
108.1	2486.5	181.1	492	2021.9	2130.8	2681.2	2286.6	744	268.1	1086.9	1383.3	104
206.1	2607.2	172.7	3165.1	1614.1	1126.2	4883	363.3	290.5	589.2	521.6	598.7	6326.3
226.8	4521.6	118.9	1869.7	4384.4	520.2	1520.3	251.8	1839.9	165.9	106	239.9	273.4
994.2	3726.1	268.2	1489.6	7674.7	312.1	1888.3	411.3	900.1	212.8	221.4	133.3	186.5
151.6	2704.7	317.8	2068.3	2387.9	549.2	7264.5	696.7	1593.8	690.8	1418.6	453.3	1380.2
242.4	8846	1536.7	2120.7	7219.7	265.7	560	417.6	478.8	90.8	249.8	542.4	595.8
399.6	2016.4	374.9	741.8	1998.7	210.9	108.9	1294.9	296.4	71	177.5	200.7	155.2
4090.7	13582.4	591	676.6	8646.7	206.8	21.3	1677	398.8	121.8	172.3	527.8	552.8
204.7	6054.5	265.8	522.7	2482.7	323.2	2155.4	1407.7	2439.5	709.4	1388.5	813	877.6
1495.3	8582.9	1245.3	2003	8519.8	1030.4	1121.8	685.5	1161.7	1399.4	321.4	4172.1	2683.3
316.6	2773.9	250.8	647.4	1715.5	421.4	211.3	2449.5	380.2	260.2	254	402.3	536.5
345.4	2670.1	248.7	906.3	3497.3	352.9	2112.3	610.9	2827.2	423	1251.2	520.5	2137.4
410	7109.7	234.1	619.4	1579.1	825.4	2885.5	8700.5	509.3	1014	923.6	35724.2	27702.6
999.3	3879.3	713.4	1268.2	7113.4	169.6	172.5	1192.9	465.9	146.4	233.9	228.2	201.4
711.9	3416.8	1787	3032.3	4865.4	250.1	735.4	688.1	701.7	222.3	289.1	1272.9	886.6
70.2	5629.7	392.5	498	3515.5	559.8	2066.1	1426.1	1712.4	426.7	2176	4394.8	6486.2
187.8	3215.4	84.3	2794.1	978.6	1420.2	2088.5	2891.8	1200.7	499.8	2780.7	1304	8082.8
154.7	2755.7	276.7	816	1833.1	827.1	4095	3944.8	504.7	386.1	617.1	9045.9	1505.5
251.6	4168.8	372	684.4	2220.9	479.5	2778.6	4096.2	1408.4	647.3	733.4	6782.6	2883.5
317.5	2984.7	263.8	533.6	12054.5	388.1	539.1	1344.2	358.3	86.7	305.5	1109.9	2620.6
145.4	5333.2	413.3	605.9	709.7	2495.4	1774.3	2413.9	1073.7	658.6	1876.4	3093.6	1030.1
908.1	6594.3	593.7	1195.2	4935.6	235.6	1416.9	1397.5	771.6	308.3	838.8	1512.3	2864.6
532.5	5231.5	486	316.8	2334.7	224	3560.7	6337.3	812.3	452.2	1427.5	14597.5	4952.1
65.3	9026	194.6	1350.7	725.2	1032.6	1136	1027	558.8	406.3	872.5	3480.7	12459.9
294.5	3735.8	463.1	2487.6	11944.6	338.5	78.4	630.2	449.7	181.9	314.1	447.9	158.2
246.5	6208.1	841.5	1218.9	8503.3	362.7	1766.6	707.6	1064.7	224.3	304.8	1707.6	945
254	2889.5	446.5	1778.1	4613.9	253.9	1236	89.3	459.2	173.3	44.5	401.4	257.7
137.8	16860.5	2456.9	2052.8	8603.9	275.9	26.8	616.3	485.9	125.7	265.1	203.5	257.7
542.8	3210.9	609.6	1642.5	14434.3	163.2	86.3	636.9	1208.5	191.8	190.9	773.6	488.2
9062.7	7162.2	9434.9	6935.2	5332	270.2	808.2	626.8	395.2	85	111.6	203.3	168.5
292	3749.4	20797.9	2622.6	6647.8	178.9	350.3	519.5	499.1	157.7	168.3	1368.2	999.6
426.8	7075.9	3728.9	918.2	9672.1	118.1	2477.7	638.6	1085.2	327.6	185.2	2428.3	1654.5
1453.2	4977	8294	4175.3	10630	187.6	120.8	313.7	533.5	96	222.8	431.2	364.6
659.5	8751.1	6222.3	5105.5	18829	299.4	973	549.3	444	147.8	301.5	838.4	720.5

755.8	13951.5	488.5	1599.4	11444.1	228.3	791.3	973.5	742.1	344.1	153.5	1654	1446.2
841.8	2770.9	4034.4	2564.6	9477.8	190.4	1589.8	367	448.9	161.5	206.4	395.8	314.2
122.6	2417.2	4801.6	1304.5	5155.3	396.5	294	344.8	223.7	94.6	174.7	462.6	258.4
507.1	5487.1	2735.7	2823.2	9903.5	310.2	460	646.3	634.6	223.2	135.7	790.8	899.6
2165.4	14562.4	4954.5	4102.5	17369.5	329.7	50.6	352.5	437.6	174.6	307.3	542.8	431.8
341.9	3795	20097.2	457.8	2771.9	120	275.1	7392.8	834.7	224.6	317.7	7740.4	504.5
198.1	4465.7	5020.7	2030.6	7094.8	326.3	1212	280.7	2178.8	104	192.7	1990.6	1089.8
927	13608.1	16816.8	3385.6	11073.2	147.4	565.2	1277	1435.1	167.6	414.5	1484.2	3161.6
254	8474.8	7144.3	2418.2	14143.4	539.6	673.7	427.3	730.8	60.6	100.3	214.2	126.7
661.2	7768.6	9024.8	2981.3	8330.1	23	372.6	1099	265.4	102.7	280.2	608	425.4
1165.1	7176.6	2782.8	5269.2	10277	200.7	381.4	428.2	275.7	98.7	138.2	376.6	381.3
721	9263	640.8	1534.2	9233.8	320.7	516.6	668.6	354.1	141.5	244	655.3	403.4
481.2	6593.6	12522.2	3104.9	10675.6	116.9	842.7	949.1	297.4	259.3	198.4	1255.1	858.2
456.6	4223.4	155.4	2118	6141.1	172	750	434.5	342.4	194.6	93.5	306.9	420.2
942.4	3312.6	387.3	1172.2	5328.7	501.3	1824.1	775.9	458.9	145.6	129.1	293.1	252.4
1500.1	3070.9	5243.1	3800.1	6029.1	282.8	1436.6	777.6	155.8	96.5	100.9	457.3	264.7
705.2	7689.2	2058.2	2574.9	8554.7	251.3	2939.4	553.5	620.6	329.5	223.9	911.9	1172.8
295.1	6144.3	8687.8	3067	8527.3	227.1	931.6	403	884.9	164.7	142.4	230.3	146.5
265.3	3317	17607.3	2933.7	5066.9	722.6	1503.3	924.2	210.6	135.8	225.2	1934.7	665
999.4	10156.1	2937	1013.5	16389.8	153	49.8	686.1	304.5	244.7	52.2	873.4	216.8
1960.3	20762.5	33090.8	4767	7043.4	279.3	35.6	410.3	246	204.1	116.9	268.7	191
384.6	43279.7	18648.9	4461	6726.7	137.6	621.6	138	262.6	216.3	86.6	354.9	218.7
179.2	3807.2	2230.8	1745.4	7751.2	2609.8	5811.1	1166.6	594.1	209.4	219.2	1124	3111.2
371.9	5477.4	836.3	4239.6	5418.7	331.2	1171.6	410.4	1313	213.7	216.8	966.5	798
294.6	4793.2	844.3	2304.8	9533.6	431.7	1320.5	367.7	702.6	261.4	342.2	779.6	373.8
672.5	5839.7	3810	4251.8	10341.4	141.2	1095.8	753.5	433.1	84.6	44	544.1	535.5
2468.1	7019.5	1003.6	1282.4	4373.7	220.7	58.3	926.2	281.9	86.2	253.6	335.4	263.3
280.5	4660.9	532.9	3019.1	7545.5	477.8	1653	367.1	369.9	182.3	314	480.2	319.1
2399.8	41773.3	17766.1	2903.1	14059	305.5	939.6	534.6	563.4	231.6	282.5	4209.3	1924.4
389.1	7434.7	1989.3	1271.1	9953.4	242.8	691.6	410.3	501.2	473	164.4	1085.6	630.8
2055.2	12517.8	1238.2	5723.7	13182.3	252.2	60	434.1	546.9	192.9	230.4	467.6	435.5
9969.6	21769.1	12727.5	9543.1	9418	260.9	24.8	409.3	390.6	103.7	183	516.7	473.1
5662.9	17195.7	25348	4495	9925.8	93.9	1356.4	663.6	594.2	226	176.9	1860	1792
3509.6	11705.6	4288.8	3800.7	5816.9	372.4	558.2	771.3	677.6	220.9	267.5	908.3	1133
1380.2	8241.4	7375.8	3409.3	10000.3	90.1	297.8	1694.7	1632.4	306.4	300.1	1414.7	1298.1
358.2	5127	5438.5	2780.9	6461.8	425	1461.5	429.6	1677.8	213.8	301.9	1918.2	2380.6
386.5	3242.4	1156.5	1603.5	4849.9	1261.7	1108.5	771.5	445.9	151.5	262.7	1363.5	487.9
738.6	13896.7	3142.5	3538.8	9577.2	261.1	1645.2	478.1	382	140.8	145.4	587.5	591.8
173.8	6187.9	1515.4	3581.7	10846	388.4	54.5	379.4	325.6	367.6	269.4	450.8	307.9
1711.5	29276.8	7043.6	3784.3	10323.8	606.8	313.2	692.2	257.8	117.7	411.8	149.5	23.5
3595.3	15286.9	5863.1	4203.2	12222.5	284.5	79.1	970.6	931.6	130.3	223.2	1960.5	1778.1
7809.8	27429.7	7845.1	2671.9	15782.9	107.1	220.3	368.4	247.8	154.9	73.2	729	587.8
1406	16371.5	2354.2	6438.1	12764.8	164.9	685.1	754.5	629.9	341	296.3	1284.2	2131.6

nd 3 show

KRT6B	TTK	CAP1	CLCA2	ERBB2	GCHFR	GRB7	KMO	PPARBP	S100A9	STARD3	TCAP	ACAD8	CAPZA2
1424.3	117	2517.8	36.9	78.9	288.4	472	299.6	56	270.6	196.1	36.5	607.4	1214.3
2695.5	237.7	3633.9	45.8	57.9	476.4	238.6	378.1	12	63.5	168.7	20.2	711.6	1230
2109.2	67.6	4127	16.1	12.8	489.4	375.1	439.3	199.5	387.1	312.5	82.6	990.5	500.8
645.9	119.5	7426.4	468	61.5	523.7	243.1	280.2	20.6	621.7	291.1	28.7	513.5	1009.4
518.9	268.8	5339.9	24.6	9.1	726.9	277.4	843.9	179.1	1904	216.4	21.6	421.8	572.6
1056	75.3	2008.4	72.2	44.3	321.9	278.6	256.7	71.3	298.6	254.5	11.2	739.7	1405.5
3093.1	199.1	5452.8	20.8	50.7	433.2	253.5	142.5	138.5	523.4	365.4	24.6	550.8	1410.1
727.8	48.9	6813	10	36.3	578.9	397.7	411.7	106	360	281.8	81	500.9	1035.1
511.2	204.3	3623.1	33.6	42.6	303.6	518.1	425	81.8	254.5	248.9	91.3	430.1	1436.3
683.2	176.3	4219.8	133	34.2	383.5	436.9	256.5	9.1	716	159.3	21.4	750	1396.7
406.2	69.9	3512	14.5	20.6	454.5	204.4	286.2	52.2	162	269.4	130.4	390.8	1962.3
583.5	118.3	3795.2	9	29	174.1	645.8	236	303.2	216	303.9	19.6	516.3	824.9
558.9	123.2	4993.4	13.2	55.5	581.6	356.6	200.4	186.5	237.8	311.4	34.8	522.9	1143.8
283.5	61.1	4096.1	81	47.3	331.8	293.6	682.2	129.7	271	173.2	26	514	1041.9
447.5	70.4	4219	6.9	6.5	345	236.5	334.9	168.7	3470.1	273.4	42.4	1353.7	1328.8
2199.8	111.4	6025.8	68.9	21.6	384.7	354.9	389.4	239.8	674.6	284.5	70.9	408.3	684.6
538.2	107	4479.2	59.8	12.8	390.1	224.2	205.7	83.6	243.8	209.8	25.8	687.1	1105.9
650.9	141.4	4996.8	91.2	41.7	238.1	265.5	398.1	279.9	3278.5	296.4	55.4	679.8	608.2
959.5	214.6	4141.4	11.6	28.8	287.3	327.1	214.9	119.1	256	295.8	26.4	307.3	1379.5
1625.8	135.4	4888.1	254.2	13.3	356	233.2	239.2	206.2	516	265.2	13.7	564.2	1661.6
629.1	114.6	4766.4	201.4	8.6	553.1	328.5	284.6	116.9	223.4	292.1	19.1	387.2	1448.3
101.2	162.9	4236	2.5	20.7	339.8	330.6	351.2	7	128.2	242	65.8	502.7	1667
1423.8	131.6	6233.5	13.1	1.5	502	245.2	652.1	161.6	357.9	233.6	13.1	384.6	1177.2
261	180.2	5796.2	561.9	74.6	591.4	328.5	620.8	11.1	258.2	185.6	35.8	549.2	1375.5
898.1	274.5	4085.2	6.3	4.2	274.3	298.7	242.2	280.5	1716.8	230.6	67	249.3	1625.9
210.8	256.8	4241.8	2.8	8.5	417.9	328.3	336.7	44.4	92.6	336.6	58.6	378.8	1619.6
273.7	89.5	4948.5	17.1	53.8	317.3	303.8	280.1	94.4	405.3	191.9	17.1	291	1476.7
251.5	240.7	3822	5.5	2.8	262.7	356.2	386.8	11.8	445.5	233.8	12.7	252.4	1326.2
607.1	115.7	3990.4	81	78.8	311.7	527.8	258.5	23.5	222.1	355.8	32.7	680.3	817.6
619.4	102.1	4102	53.2	6.5	504.6	382.4	360.3	14.5	288.5	291.9	21.9	540.2	1676.5
311.1	52.8	5932.9	101.6	16.8	398.9	368.7	305.5	13.1	391.1	269	547.4	444.7	1433.8
250.3	105.2	5033.5	6.3	73.4	320.3	351.9	183.9	89	232.2	239.7	24.8	470.3	1162.1
205.5	184.4	5526.6	5.3	28.5	269.5	429.8	231.2	204.1	255.1	304.5	97.1	408.6	1045.8
334.1	207.4	5005.4	4.5	16.6	401.2	239.7	1110.1	112.5	596.9	288.3	12.1	697	1707.2
219	131.6	3993.3	7	5.2	328.3	338.2	337.4	107.7	211.9	317.1	40.9	587.3	1382.3
199.2	237.3	5196.8	12	51.5	921.6	146.4	685.6	149.5	260.1	270.2	25.3	510.9	1384.7
179.7	83.7	6883.3	74.1	5.7	399	237.9	79.9	31.7	198.4	353.9	22.1	489.5	1721
359.7	131.6	7149.8	8.1	12.9	322.7	480.6	626.4	13.7	241.5	300.6	22.7	356.7	967.8
339.9	45.6	4606.1	7.5	34.4	396.1	270.8	177.4	9.3	362.1	273.8	19.1	541.2	1629.3

1259.5	142.1	5299.7	6.1	18.8	315.9	268.4	129.5	52.7	127	273.7	14.6	321.5	1116.3
640.5	118.6	3714.6	16	30.4	294.8	401.5	222.2	195.5	558.1	264	20.1	780	1955.2
325.7	66.6	2714.5	141.2	25.7	294.1	170.7	245.9	8.9	201.9	186.3	26.5	537.1	1525.1
1816.7	321.7	3998.6	63.9	15.1	363.1	399.5	306.2	144.9	305.1	378.7	22.3	373.9	1392.5
223.3	392.8	5351.1	7	3	527.8	380.8	1216.9	17.8	934.1	211.5	16.5	390.1	474.3
923.4	150.6	6162.6	221.1	69.4	313.3	585.5	403.3	129.6	544	307.4	167.8	445.2	1260.8
430.1	194.2	4913.9	6079.1	48.1	1159.4	558.5	5434.8	18.5	379.8	40.2	61.1	1712.6	1233.3
251.8	333.5	6220.8	72.9	39.1	467.2	386.3	308.5	15.2	222.5	252.3	30.4	452	1025.2
239.4	180.7	4190.4	15.1	59.2	282.3	490.4	180.3	61.8	327.3	232.4	15.6	526.4	1263.7
894.1	83.5	5348.6	66.6	66.3	294.7	580.8	329.6	11.6	197.2	223.9	97.9	533.2	1049.6
328.2	161.9	5577.8	17.3	91.2	409	602.3	252.4	108.5	395.8	154.6	59.4	533.2	1019.7
403.4	143.1	4722.3	12.7	93.5	361.6	437.3	356.9	121.9	958.4	197.7	20.9	701.8	1353.2
766.9	63.5	4207	31.6	21.3	577.9	536.4	327.3	96.2	65.1	291	38.1	701.6	934.2
1160.1	84.9	5869.4	23.6	34.5	287.1	321.7	324.2	70.3	341.9	366.6	19.4	761.8	1145.4
254.1	245.3	3236.7	5.2	31.8	604	605.1	190	29.7	374	264.3	13.5	586.1	823.7
721.3	154.6	3777.7	3.6	27.7	441.3	455.4	321.2	8.7	2070.1	209.3	25.9	521.7	1675.3
370.3	182.9	3816.3	9	19.8	325.3	390.3	207.1	265.8	219	219.3	23.3	526.2	929.6
320.2	96.6	5918.4	669.5	77.4	368.5	455.5	664.4	9.3	1310.1	144	19.8	565.8	784.8
591.9	61.5	3724.6	23	64.1	241.6	626.2	255.7	109.6	217.5	294	30.6	678.1	1134.1
257.1	138.8	4204.1	26.9	18	270.1	259.2	131.9	108	490.7	164.1	22.5	200.9	795.3
269.6	179.1	3523.5	17.5	22.5	355.9	468.9	1127.2	9.2	222.8	146	35.4	1128.8	1103.8
1137	324.4	3707.4	48.9	27.2	244.8	516.2	675.7	10.7	205.3	169.9	26.8	463.2	671.3
259.7	58.4	2334.9	8.3	7.6	237.4	402.4	321.4	11.4	176.3	374.6	81	409.1	913.4
198.3	238.4	2885.7	12.4	20.4	426.3	634.6	701.7	17.4	230.9	218.5	78.3	331.1	235.1
261.6	64.4	4100.9	20.9	88.8	484.6	496.1	205.5	40.9	564.8	278.6	42.9	278.1	772.8
477.9	117.1	10277	35.1	33.6	354.8	339.5	268.8	23.8	454.4	231.6	27.5	353.6	861.9
261.6	205.1	6738.1	4.4	98.6	706.5	446.4	302.3	126.3	277	406.6	24.9	421.9	1294.8
270.7	145.6	3811.6	8.2	50.9	224.4	705.4	481.4	131.7	225.6	346.5	23.2	535	998.5
394.7	81.2	4279	6.7	28.9	452.9	508.8	194.2	21.5	181	259.8	18.3	359.3	711.8
241.3	46.8	4027	13.9	19	303.6	180.4	209.7	17.1	214.6	290.5	60.4	530	1089.8
215.3	176.6	4379.3	8	38	384.9	474.3	978	150.4	1941.5	342.9	19.4	413.7	774.1
233.3	75.2	4314.7	23.4	129.4	391.2	550.7	572.9	15.4	56.9	332	31.8	469.4	363.2
495.1	185.2	3410.9	25.7	85.8	724	484.1	181.5	102.3	212.4	230.7	13.7	622	1097.8
277.5	143.6	5515.7	5.2	78.5	431.8	555.4	430.9	191.9	133.3	479.8	29.6	560.9	744.6
168.8	149.1	3458.2	11.2	46.8	344.1	468.8	168.4	36.7	203	599	17.7	1485.9	715.3
881.3	224	2981.6	2.5	29.9	250.9	370.6	251.1	208.7	139.6	410.7	25.6	301.2	1094.9
560.2	125.4	4500.6	4.1	36.7	353.8	778.2	159.2	131.9	316.2	376.8	222.4	547.8	1348.6
275	44.4	2777.5	77.9	154.2	313.4	415.7	230.6	21.8	45	265.9	50.4	396.4	853.8
351	336.4	5013.4	4.4	30.2	410.8	282.3	171.7	10.9	405.7	228.9	149.3	414.1	1303.8
246	210.9	5564.8	9	57.6	543.8	337.3	414.7	22.4	178.3	293.1	64.2	296.7	1123.1
336	117.4	3057.8	98.7	17.3	296.8	442.2	1573.3	127.2	182.2	283.9	19.4	619.6	1015.6
335.6	119.6	4109	103.8	111.1	365.2	450.1	1162	196.4	482.4	390.2	114.1	320.9	601.2
589.2	117.1	4811.4	95.1	41.7	315	579.2	336.7	38.9	10604.8	429.4	49.1	504.5	546.3
391.4	178.7	6105.8	25.9	49.3	510.6	381.9	1591.5	29.3	218.3	300.7	55.9	954.4	1022.6
772.9	159.7	3584.5	17.4	46.7	260.7	604.7	195.6	85.3	306.6	284.6	23.5	791.1	1298.7
262.7	206.5	3446.9	7	26.4	461.5	320.4	217.3	107.6	188.3	454.1	28.3	519.5	1252.5
230.1	166.9	3617.6	8	135.3	390.4	383.5	219.1	241.8	138.8	414.5	19	341.9	1194.3
212.5	1017.4	8486.3	217.6	9.5	465.3	373	1028.1	20.8	824.3	232.6	20.4	550.4	945.4
1408.9	120.5	5080.1	34.1	92.5	369.4	496	602.7	13.9	1186.4	225.5	32.4	581.2	1339.3
466.2	328.8	3146.4	13.5	29.1	407.7	375.1	347.7	18.4	141.2	122	28.8	516.2	1758.2
387.4	418.6	3437.1	18.7	9.6	245.2	360.5	211.5	13.4	67.2	284.8	22.3	262.1	1320.3

810.8	274.4	3761.9	14.3	8.9	196.6	305.3	163	27.7	153.4	184.6	21.7	435.9	2061.2
356.3	282.5	3902.1	12.8	6	507.1	274.2	156.6	69.2	266.6	256.7	12.7	359.2	1017.2
150.6	212.2	3087.2	20.6	55.4	265.7	214.7	60.7	258.5	86.2	181.4	10.8	377.2	675.9
649.8	358.2	3945.2	7.2	7.6	746.4	94.5	220.6	17.9	221.2	170.3	25.2	585.8	1236.6
209.2	213	3649.1	35.1	37.3	684.5	292.4	988.6	78.8	918.1	340.7	22.7	352.6	652.7
245.2	523.5	2960.4	7.2	22.4	303.1	283.5	745.7	118.2	126.7	268.8	16.1	405.8	1834.8
196.7	211.3	2200.2	16.7	15.1	532.7	322.2	164.3	202.9	150.8	354.5	43.5	425.9	602.3
210.3	146.4	3589	9.2	36.8	199.6	469.5	424.6	289.9	150.2	266.6	19.3	289.5	678
289.7	491.2	1901.4	18.3	15.2	332.3	401.4	225.3	329.3	174.1	281.6	40.6	451.3	798.3
653.4	40.8	2713.7	8.8	17.6	319	409	491.3	14.4	270.5	366.9	36.4	363.6	985
1178.2	173.6	3263.1	19.5	90.3	473.3	385.8	533.1	13	283.8	194.2	36.7	268.8	909.2
485.1	260.8	5922.2	7.9	56.5	486.2	449.6	1354.7	272.8	1969.9	268.8	35.2	341.2	448.4
360.2	126.5	3738.6	14.7	46.7	158.7	377.8	259.8	381.5	183.7	323.3	19.1	443.3	403.2
414.3	228.9	2636.9	95.3	42.6	312.3	303.4	987.3	14.5	1663.3	278.7	23.5	406.1	1166.4
477.5	311.8	5232.6	18	65.2	468.8	214	1737.9	33.5	552.6	229.6	15.6	374.8	393.7
213.4	178.9	5559.9	7.3	39.9	238.1	227	1048.9	343	177.3	380	16.5	530.4	1633.6
1381.9	172.5	4658.6	9.7	7.7	266.9	530.8	701.3	120.1	339.2	168.7	37	418.3	487.9
291.1	589.8	4377.8	22.9	61.2	675	296.7	274.8	9.7	272.4	223.5	28.1	445.5	1173.6
3540.4	238.9	4496	12.3	27.1	464.5	46.2	395.3	280.1	204.7	157.4	28.5	299.7	1890.7
2378.3	122.3	4247.9	19.3	42.1	345.4	96.7	1246.7	225.5	411.2	134.6	28.7	672.9	1166.1
501.9	384.1	4391	459.2	13.9	432.9	297.9	775.2	179.2	1094.5	422.3	65.9	284.5	1592.2
330.5	52	4012.6	70.8	35.9	258.5	134.8	455.7	281.4	276.1	178.3	20.3	493.9	1261.1
545.8	81.2	3527.8	194.6	39.9	373.9	296	830.6	16.8	3539.8	113.2	40.2	482.3	1607.9
2926.1	69.6	3359.2	23.1	37.9	222.6	330.9	788.6	106.8	1715.7	114.2	12	592.9	1593.8
1688.2	312.4	2550.5	54.1	4.5	217.8	110	86.2	7.3	126.1	66.3	31.1	465.3	1114.8
1574.6	323.2	3576.5	3.8	64.1	225.9	204.3	263	39.2	95.9	97.7	21.3	578.4	2010.6
610.8	385.4	3787.5	36.5	20.8	323.6	146.6	476	6	178.6	103.6	9.7	595.8	1593.2
325.6	238.8	5402.3	4.3	66.9	550.5	383.3	246.2	16.6	233.7	291.4	38.3	306.1	1528.5
923.7	536.4	3600.9	87.4	57.5	182	160.9	587.6	56.2	358.4	154.3	43.2	325.5	3079
917.8	277.4	4767.5	8.9	41.9	597.3	259.8	334.8	102	346.4	215.6	31.1	361.2	1035.2
360.8	482.6	4966	168.2	17.8	649.1	277.9	423.8	23.2	98.9	158.5	19.9	372	1373
307	291.2	4105.6	6.4	35	514.3	280.6	143.1	293.4	201.2	450	83.2	480.4	1125.5
335.2	494.8	2554.8	14.6	30.5	358.5	221.6	805.1	82	179.7	85.6	19.9	242.3	1237.1
207	294.7	5827	7	5.1	818.8	192.7	515.4	227	311.8	408.4	16.7	305.1	1677.7
2808.4	195.6	4499	13.3	84	468.5	154.2	649.1	208.8	395	51.2	52.2	226.9	1395.2
709.7	133.1	4995.9	18.2	11.9	363.5	393.6	531.8	122.4	191.5	141.9	21	595.2	1051.1
514.6	49.2	4567.6	8.2	47.5	199.4	239.5	352.1	247.8	378.8	300.4	18.1	377.5	791.3
421.7	153.9	4551.4	8.8	50	695	402.2	720.2	13.9	70.8	197.1	30.9	299.3	1566.8
246.8	152.7	4927	25.7	69.2	409.1	286.1	3170.4	12.3	85.8	170.7	10.4	324.9	895.9
840.6	442.2	1972.6	17.2	23.5	268.5	294.2	195.3	12.2	145.6	110.3	28.4	256.3	1519.8
653.3	97	3906.2	17.7	32.9	357.9	295.9	282.9	295.5	141.9	340.5	182.6	282.7	1779.8
732.5	221.5	5269.8	11.4	6.4	346.6	158.8	352.1	67.4	352.6	229.5	43.9	318.4	1891.6
262.9	181.5	4895.4	80.1	15.5	316.6	162.6	672.4	267	139.5	183.8	134.7	334.7	1274.5
102.4	357.1	4986	29.2	16.6	371.7	215.4	192.1	236.5	308	277.7	16.5	277.6	1111.4
1364.7	45.7	2722.5	24.5	22.6	249.6	87.5	427	62.7	159.4	72.1	21.6	376	1462.3
224.7	224.3	3618.6	35.9	13.6	1007.7	86.6	399.3	221.5	144.9	259	55.4	434.7	631.2
243.3	157.8	3598.6	14.6	99.4	314.2	307.8	163	52.4	130.6	234.7	21	315.3	2193
1028.9	228	2132.5	11.9	49.2	59.5	194.2	139.3	211.1	51.8	94.9	62.7	610.2	1262.5
245.5	179.1	6327.9	15.2	23.6	607.7	180.7	564.3	297.5	255.1	71.2	36.8	277.7	920.5
252.8	547.2	4810.4	30.1	38.8	317	127.1	274.7	71.6	242.8	143.3	37.9	554.4	1407.2
564.5	264.8	5474.2	41.5	22.2	275.3	107.8	621.7	100.2	842.9	22.9	24.1	373.9	2345.8

399.3	147.9	4160.6	9.7	9.2	347.2	306.8	800.7	254.8	260.1	282.3	89	489	482.6
316.5	516.5	4536	12.6	19.4	346.7	88.2	372.4	491.1	871.7	264.5	77.9	190.7	1675.8
642.8	139.8	5827.6	3.7	31.7	285.4	245.3	462.6	264.7	42.4	235	116.8	341.2	916.8
353.1	130.7	3522.7	70.8	29.4	788.1	134.9	637.1	153.1	315.9	138.2	86.9	356	1371.5
276	629.4	1578.1	51.6	20.8	460.6	25	546.6	19.8	216.1	104.2	38.1	226.3	2708.3
403.9	102.4	8310.3	7034.5	15.2	786.5	570.2	2054.6	45.2	237.2	266.9	45.8	804.6	1276.3
201.8	155.3	2497.9	146	53.4	349.8	503.7	1051.5	94.6	76.2	209	25.8	514.7	1524.3
595.4	86.3	4641.8	11	37.7	302.6	372.4	489.6	12.2	200.9	277	86.5	712	801.1
225.9	543.9	2778.1	11.1	25.4	352	364.7	180.2	9.9	223.1	375.2	20.9	708.3	1462.9
289.7	459.2	3423.5	5.6	12.6	332.7	466.2	228.7	13.3	162.7	222.5	27.4	330	622.8
352.5	198.1	3793.2	83.6	93.8	112	399.7	279.8	32.2	170.5	237.9	132.5	243.3	780.5
111.1	306.2	4849.5	30.5	9.4	381.7	405.1	440.1	540.2	88.1	393.2	122.8	261.6	956.6
185.1	359.9	3818.2	4.5	11.2	526.2	62.3	832.8	14.1	1070.5	262.1	56.4	495.8	1187.5
1617.5	426.1	2553.9	7.9	50.7	166.5	313.9	492.1	16.7	285.5	48.2	73.7	456.4	1188.8
295.5	168.1	4233.2	13.5	41.6	308.8	281.6	205.9	9.1	163.7	35.1	50.2	343.7	1715.2
948	430.1	2246	20.4	42.2	365.4	365.7	408.9	113.5	41.2	101.4	263.5	328.1	1006.3
236.3	318.3	3840.5	7.2	15.2	361.2	312.8	750.5	360.8	750.9	98.6	102	407.4	401
641.7	413.8	2800.4	8.5	67.7	615.4	334.9	272.5	199	194.9	389.2	42.9	259.9	1173.3
531	459.6	3270	11.6	17.4	315.6	106.9	345.1	103.2	2541.5	240.9	29.6	371.1	1196.7
174.2	354.1	4982.4	17.3	34.9	142.3	178.5	388.7	348.9	189.1	348.9	15.2	363.5	661.8
182	122.1	4443.5	367	20.2	368	243.9	347.5	216.8	102.8	172.3	28.9	362.9	2212.1
274.8	211.5	4296.2	149.5	16.7	404.5	201.8	878	30.4	12982.2	110.4	22.2	430.7	1643
876.4	384	5008	50	14.9	568.2	229.3	757.9	69.2	746.6	155.1	18.3	407.3	841.6
516	280.4	10096.2	213.4	14.5	618.4	101.8	458.6	335.8	4856.2	175.8	51	215.7	500.1
2024.5	338	3491.7	49.4	32.9	320.6	253.8	225.9	92.6	336.3	209.9	15.9	427.7	1102.6
708.6	129.1	3868.8	45.5	30.4	366.5	516.7	328	18.4	316	153.6	48.3	558	1054.8
510.5	128.3	4807.1	196.5	5.7	254	96.4	333.1	10.5	159.2	129	39.1	545.5	1417.1
542.7	17.3	4463.5	618.8	53.6	266.4	350.3	1360.3	48.3	10788.1	270	177.1	978.9	1865.7
541.6	79.9	4213.4	73.9	33	441.9	448.1	265.9	10.3	166.1	224.4	19	650.4	1027.5
180.9	149.9	3762.7	12.7	145.2	245.2	497.3	181.3	102.2	847.7	336.2	47.3	295.6	908.8
284	482.2	4735.8	12	16.5	379.9	558.8	494.7	62.5	5115.4	311.1	26.9	741.2	764.3
6018.6	445.6	4224.8	9.2	43.4	311	158.6	1218.1	225.4	1178.3	300.3	22.3	340.9	1205.1
1687.7	480.8	4923.5	6.4	42.8	382	299.7	783.1	124.9	1009.5	319.9	51.3	226.1	1157.6
17237.2	477.6	6326.1	6.6	85	462.9	326.6	865.9	98.2	3682.1	260.6	21.1	408.7	1244.5
6510.3	336.8	6467.4	28.5	52.6	281.9	209.3	252.6	109.3	1100.6	169.4	12.8	315.8	898.2
3028.2	936.7	4565.6	86	20.9	231	282.1	214.9	421	417.6	417.3	86.3	285.3	990
2642.9	618.8	3741	10	4	314.8	135.6	663.6	12.5	822	146.4	13.8	470	1239.6
12813.2	677.7	3787.3	10.3	25.4	517.3	362.2	279.8	204.8	1021.7	235.3	17.2	503.3	1013
9826.8	776.2	5821.5	1.5	3.8	223.2	390.6	433.9	60.5	5028	230.6	13.4	433.3	1405
3430.9	877.2	5683.6	2.6	44.3	357.7	220.2	316.1	142.3	7360.2	243.3	17.3	459.7	608.6
2910.1	571.8	6806.4	13.3	23.2	326	374.8	435.7	229.6	5109.9	349.4	18.2	286.8	1132.1
12736.4	1221.4	5807.7	3.2	61.9	293.2	190.7	695.6	243.3	1720.4	126.9	17.1	311.3	1156.7
2419.5	592.6	5920.5	5	40	342.1	243.8	624	130.1	994.9	163.4	24.5	261.7	1704.7
979	642.6	4239.7	70.8	8.4	383.1	269.8	239.4	9.5	743.4	201.3	56.3	274	1414.7
1185.9	494.5	5426.7	10.3	11.9	365.4	358.2	639.2	16.5	12726.3	104.5	21.6	193.1	1044.4
24761.4	509.7	7280.2	15.3	37.9	365.1	242.8	651.8	39.7	4585.3	174.5	27.7	384.5	807.5
17248.4	649.4	4166.9	66	22.5	253.7	370	225.5	592.5	218.6	239.2	25.4	394.5	381.2
19831.7	425.5	3446.4	6.3	59.5	421.8	277.3	259.6	245.6	200.1	163.3	46.2	399.3	969.6
987.5	874.3	8491.2	24.4	60.1	331.1	376	249.5	75.6	360.1	211.5	23.1	560.9	989.1
540.6	513.5	1698.3	40.3	38.3	271.9	470	201.1	13.6	130.5	210.2	26.6	503	594.3
507	1038.8	3077.5	36.9	54.1	322.1	331.1	304.7	10.1	298.2	246.5	84.2	284.5	1110.1

14521.7	419.4	7975.2	24.3	36.9	283.3	263.2	593.3	36.9	510.7	209.8	27.9	284.3	1340
628.2	667.9	5582.3	69.3	99.8	241.4	324	343.9	49.8	475.8	157	63.3	338.2	838
1304.4	788.9	5995	454.8	66	330.1	212	299.8	22	33486.3	288.6	30.8	248.7	1117.3
8180	596.3	3964.8	17.4	27.5	269.7	355.8	158	123.1	947.5	252.7	35.9	310.6	829.7
14532.4	571.1	6474	4.8	19	537.2	328.8	778.3	81.2	6330.5	184.9	23.6	439.4	796.5
14548.2	1267.5	3304.4	19.6	34.8	217.8	52.7	267	244.3	39	109.2	58.9	296.5	465.7
503.8	83.9	5744	3207.8	77.4	206.4	187.9	147.8	170.7	676.6	266.8	16.1	514.1	1485.7
17610.4	531.4	3715	71	25.2	386.4	560.6	147.4	134.1	3083.8	151	36.9	425.9	813.6
3208.1	600.3	7884.5	6	40.3	602	342.4	513.7	316.6	3818.9	356.4	32.7	329.8	1247.2
11109.4	1121.5	3861.4	24.7	13	256.7	283.5	294.5	307.9	893.3	311.4	23.3	373.3	1247.7
6414.4	745.6	3226	9.9	11.6	242	319.5	205.4	198.7	1383.5	224.2	32.6	362.8	1411.2
9649.7	1003.6	3377.6	7.3	30.4	286.5	165.5	319.2	181.8	994.5	177	25.7	312.2	942.3
4415.1	929.8	3155.1	83	35	214.6	326.9	234.8	88.4	345.2	211.9	15.7	446.4	946.6
11450.1	886.4	4586	26.8	47.3	265.4	273.5	364.7	102.9	3599.4	163.6	19.4	302.1	977
22320.8	138	5431.4	60.5	37.8	401.4	534.1	233.9	45.8	5749	258.4	33.6	380.3	518.7
7281.1	364.6	4132.3	14.9	7.8	308	322	315.4	308.1	591.3	206.5	46.5	253.1	1270.1
1933.9	1124.4	4022.7	67.8	10.7	295.1	264.2	468.8	283.7	2900.5	164.4	25.7	374.4	807
501	352.8	4105.1	15.5	56.8	256.7	338.8	213.7	33.3	758.4	144.9	18.6	291.7	1312.8
5793	374.5	5681.4	15.7	76.1	388.4	253	289.8	48.8	7687	278.3	23	285.3	1601.8
162	557.5	5789.3	2041.2	27.7	869.7	202	2835.8	59.5	11068.8	290.8	67.6	395.2	689.3
1316.5	272.9	5572.8	447.2	16.7	2279.6	278.3	2007.6	57.5	6679.7	269.5	17.2	828.3	1284.9
374.9	991.5	3453.3	22.2	49.3	604.7	910.1	367.9	66.1	582	318.7	80	411.9	684.2
635.2	158.6	6732.5	11.1	56.6	347.5	412.2	501.9	257.1	653.3	541.2	87.1	348.2	967.3
222.9	197.3	5795.7	15.4	45.8	452.8	137	778.5	390.6	373.8	394.9	85.4	413.3	630.7
300.6	105.2	4509.3	3.3	14.4	395.1	245.2	502.1	69	158	372.8	21.2	422.1	1032.5
12460.3	735.7	4678.2	5.5	12.7	346.2	278.2	432.9	47.9	1836.9	152.6	28.4	190.1	912.7
1284.2	219.9	3085.5	590.1	44.8	374.6	315.5	1107.8	13.8	23458.1	169.6	25.9	440.8	1556.2
883.9	181.3	5914.6	13.6	35.1	353.4	143.7	543.2	195.7	606.5	265.7	23.9	372.5	2192.8
228	247.6	3963.2	8.5	11.2	185.1	206.4	513.5	131.9	248.7	281.5	46.2	396.8	925.2
38392.7	457.7	4361.2	15.9	9.1	473.5	321	285.7	314.3	942.6	272.4	24.1	396.3	1154.4
193.6	284.8	5623.9	300	72.1	578.7	107.2	334.9	18.1	760	221.8	44.6	411.9	1062.9
704.4	267.8	6124.8	1875.1	28.9	770.2	210.9	1767.7	97.7	2137.2	100.1	33.3	379	1278.8
24176	576.7	3203	4.5	8.4	276.2	272.2	231	365.2	846.3	290.9	43.3	281.6	638
4705.9	752.3	3730.2	11	33.7	426.9	40.2	501.8	145.5	4282.1	296.5	70.8	335.5	653.1
2415.9	940.5	3817	16.7	43.9	220.7	254.9	237.6	154.8	835.9	247.4	22.2	438.7	1330.5
9784	298	5983.2	8.6	61.9	224.8	205.3	343.8	189	1294.4	231.3	88.6	320.4	1368.4
4754	179.1	5313.9	15	125.8	412	252	527.4	31.1	2491.7	362	60.7	345.7	1401.7
6211.9	877.4	1995.7	73.2	13.6	334.6	58.7	54.9	550.1	1358.9	122.5	39.8	321.5	742.1
912	281.4	4673.6	3.8	19.1	271.3	303.3	451.5	181.6	736.1	319.4	21.1	465.9	1301.9
1198.4	660.5	4696.1	7.8	13.8	362.1	208.1	314.8	230.2	375.3	215.8	18.5	472.6	2338.9
1139.7	646.4	3334	11.8	108.7	529.7	135.7	296.8	208.2	615.5	146.7	16.5	245.9	1392.1
457.9	359.5	5509.6	712.2	70	460.2	336	925.2	25.4	1779	131	62.3	329	620.3
667.4	139.1	8669.6	1292.1	127	596.3	6012.1	3233.2	256.7	26924.5	1765.8	129.5	1215.7	869.7
362.6	341.8	3401.9	1387	123	570.7	1064.6	1428.5	1442.2	4027.4	1671.1	256.6	426.4	284.8
259.9	446	6770.8	6.5	8.3	225.6	710.2	626.6	317.1	307.7	1333.8	136.7	408.2	1086.5
387.3	116.4	5896.5	186.2	63.8	511.4	1278	1369.1	49	5035.9	916.2	191.5	524.2	979.9
438.8	517.6	4476.6	4.8	85.2	868.1	1187.3	677.9	17.4	837	2213.6	58.2	369.6	1085.6
876.3	369.2	5494.5	8.1	149.4	552.2	3006.6	1107.6	1420.9	703.1	1620.1	64.4	629.4	915.3
1784.5	165.2	4547.9	735.9	59.5	575.5	1109.6	3912	85.4	23952.4	559.3	18.6	489.2	839.9
441.7	258.4	4079.2	52.8	16.1	307.9	440.1	294.7	645	342.5	1063.1	45.8	607.3	693.1
874.4	210.8	5149.3	9.9	104.4	418.1	759.1	667.5	753.8	938.7	1193.3	20.8	410.8	939.5

1214.6	190.3	4996	325.8	49.4	507.9	2408.9	1050.8	808.7	18638.6	1300.2	168	831.8	1333.1
256.9	157.7	5888.5	34	70.4	629.2	1472.1	548.9	1539.1	650.4	1862.6	51.4	339.1	948.3
249	309.4	5381.7	65.2	42.9	704.1	845.8	2328.1	1346.2	846.1	1522.2	62.4	411.1	1034.2
895.5	257.4	5069.9	84.4	6	676.1	960.3	493.5	582.3	1804.6	921.4	24.1	504.1	919.3
476.2	473.3	6861.3	8.2	26.6	320.7	696.7	366	16.6	358	854.5	128.7	238.7	1275.6
1074.2	224.1	7011.9	57.9	74.4	693	899	241.1	351.9	1131.7	363.5	19.1	289.9	1638.5
2560.1	439.3	5280.8	477.1	54.7	618.3	2367	1855.1	1210.2	13284.1	1273.4	148.6	498.4	1627.8
943.9	349.6	2963.2	55.8	28.1	247.2	563.7	275	795.5	235.3	877.7	240.1	532.4	1084.5
159.2	435.4	4372.2	15.8	87.6	307.9	3231.8	817	26.3	3655.1	3955.8	83.3	279.3	752
413	72.7	9548.2	15.1	131.1	876.7	2101.2	733.2	993.4	343.7	1210.2	174.3	462.5	790.8
248.7	513.8	7042.8	100	73.1	600.4	925.8	557.4	2639.4	1332.4	2067.4	29.6	354.8	375
763.3	224.7	5048.3	30.9	49.2	751.2	1410.7	1335.9	1220.3	11908.8	1479.7	128.7	572.8	701.4
731.7	304.4	6161.5	933.5	89.8	1171.8	2401.4	1386.3	482	439.9	2483.4	230.7	654.3	592.4
1088.7	341.8	5700	1581.3	51.7	434.3	1391.9	7709	185	12431.7	1446.6	18.2	1086.7	673.1
208.6	221	7844.8	244.5	106.3	744.7	1853.6	674.7	2066.8	10125.6	2284.2	78.1	773.6	1423.2
343.7	199.5	6329.4	749.1	16.3	511	1838.9	2621.6	972.9	4962.4	2761.5	453.2	644.7	1447.6
385.7	132.9	4696	792	89.8	959.7	1530.3	538	255.1	299.9	1731.8	120.7	414.1	1373
167.3	507.8	8932.5	130.4	58.3	627.7	1760.1	991.9	271.2	412.6	2525.7	233.5	253.4	834.4
1585.8	577.1	11098.2	184.7	87	1112.1	5887.1	1164.8	551	9918.8	4555.9	147.7	256.8	1448.6
224.3	208.1	4533	77.1	200.5	599.6	3847.1	486.1	1703.4	7423.1	1478	296.7	303.8	1179.2
326	326.1	4567	9.4	48.5	517.2	831.1	430	1835.3	261.5	1254	156.6	323.8	1240.6
326.4	86.1	4075.9	11.3	93	181.5	1284.4	173.4	230	94	492.6	206.7	228	826.4
1990.5	691.7	5797.8	214.8	135.2	723.7	5069	844.9	191.8	8571.6	1166.4	178.7	780.3	1428.5
1461.2	154.2	6820.6	505	32.8	908.9	2849.5	2414.7	131.3	13000.8	98	13.4	833	1681.1
556.9	447.6	4954.5	107.3	101.1	590.3	719.3	1707.7	617.8	1322.1	1120.7	175	421.4	302.7
367.2	283.3	7130.1	7.9	44.4	551.2	633.7	289.2	310.8	213	1140	61.1	413.4	971.6
359.2	248.7	6852.4	2322.5	263.4	3786.3	2350.8	1321.5	29.2	2735	2475.4	1191.1	463.9	866.2
273.3	468.5	7692.5	1549.5	76.3	494.7	2519	4120.6	980.5	9530	1756.4	181.8	600	1260.4
4575.6	191.8	2415	107.1	39.6	386.6	545.7	674.3	536.3	1810.9	1926.2	48.6	332.2	1641.3
636.5	458.1	6766.1	694.1	693.5	725.9	6421.4	1404.6	3218.9	512.3	2518.7	238.1	474.9	859.9
522.5	478.8	5485.3	189.6	97.7	561.6	1193.8	261.5	94.6	19303.1	809.7	51.3	538.9	811.6
340.7	327.1	2511.8	8.8	13.7	353.6	337	508.6	888.2	91.8	724.7	39	277.6	1438.4
3534.9	191.6	2797.6	70.8	13	263.1	344.9	398.5	644.2	233.7	656	33.5	321	1856.4
866.8	352.6	3429	172.8	54.9	598.1	482.1	798.4	10	518.3	1161.8	21.9	271.4	2075.6
424.7	174.7	4139.6	293.7	13.5	497.7	373.7	299.1	54.6	319.1	730.5	27.5	503.3	1146.2
3032.8	483	4877.8	145.9	8.9	540	557.2	2814.2	89.2	5634.3	831.5	111.8	560	1462
277.8	460.2	5749.5	261.4	52.4	744.2	415.8	660.4	114.3	6077.5	313	167.9	541.9	779.1
247.8	700.4	4335.2	108.8	16	629.1	633.9	1263.5	9.4	4591.6	105	27.5	354.8	1776.4
281.6	253.3	4308.9	850.4	518.9	1113.7	3861.6	1486.4	14	880.9	174	148.8	531.2	1457.6
172.6	492.2	2036.8	14.1	7.3	254	356.5	569.9	31.5	189.3	290.6	23.8	334.8	1211.1
407	182.5	3599.3	316.4	31.8	438.5	499.2	1174	37.7	854.9	393	41.1	592.7	1694.5
839.3	289.7	3500.8	3.3	18.8	395.8	333.5	594.6	391	173.6	442.9	11.1	315.1	1608.2
552	141.4	3524.1	140.9	40.7	255.7	488.6	686	13.5	1705.3	720.6	21.2	458	1164.1

CYR61	IFNGR2	KIAA0992	PARVA	RASA1	TCF7L2	TPM1	WIG1	BUB3	COX17	COX6C	DCI	FAM77C	GDF15
6748.4	2715.8	8046.5	491.6	1021.5	3815.6	7356.5	277.8	3149.7	1198.6	20020.4	709.5	207.6	1612.5
2532.8	3720.4	7870.5	503.9	1006.8	3076.2	8762.7	283.5	3149.3	2504.2	14686.3	1115.6	138.9	326.3
1853.8	4307.5	7653	385.8	943.7	2183.3	6697.5	449.1	1109.3	2040.8	18497.3	1527.6	390.5	306.1
1032.4	3596.8	7033.1	280.9	1265.2	2095.2	9103.7	278.4	2415	1045.5	21944.2	1287.1	491.8	721.8
4162.5	4018.6	8134.9	412.2	602.4	2896.7	7537	304.8	1642.4	904.3	5780.2	1015.4	105.3	160.1
1551.8	2956.7	7903	504.1	1423	4568.2	8510	378.4	1863.4	1322.1	8347.9	734.4	134	190.8
1929.7	3223.7	6428.4	330.7	1107.8	1686.1	9244.3	371.3	1532.3	2343.9	53856.8	671.8	1206.5	478.8
1360.3	4129.7	6425.4	496.9	1178.9	1332.6	6182.7	357.7	2087.3	1300.8	17417.6	743.4	241.3	387.4
1183.4	4013.6	8111.9	333.4	1256.1	2623.7	8625.7	353.6	2541.7	2598.9	31286.5	1328.3	307.7	409.8
4329.9	4876.8	7726.5	447.2	1205	2499.9	10861.7	371.7	2531.9	1842.5	17123.6	960.8	132.9	553.8
1675.4	4678.6	8370.5	286.9	2147.3	4402	8383.2	301.4	3491.5	2823.2	21160.6	1462.9	475.3	274.9
7433.5	4492.1	7529.9	479.2	949.9	2455.6	9071	324.6	2594.9	2231.4	31927.5	1504.7	657.5	704.7
2781.8	3939.9	4471	367.5	1024.2	1851	7946.2	235.9	3105.2	1484.5	28553.3	1464.9	548.3	192.4
2673.6	3925.2	10571	607.9	1044	3160	14006.6	412.9	1859.6	1761.4	10421.1	624.5	237.8	136.6
3580.9	4084.6	6121.9	708	1118.9	1209.2	5687.4	426.7	1395	2175.7	14703	1285.1	358.4	521.4
2058.8	3834.4	11507.2	637.1	633.9	2723.3	12940.3	204.2	3252.9	1462.6	21228	1361.5	1074.8	411.6
3948.1	3761.5	9692.6	295.9	1614.5	3244.6	10840.6	369.7	2310.3	1607.5	12862.2	1110.9	122.2	201.4
1256.9	3390.1	7114	327	915.2	1688.6	3970.2	410	1333.5	1325.7	18091.6	960.7	224.5	403.2
1915.7	3537.4	7851.8	557.3	924.9	2535.5	7114.7	200.4	1980.3	1838.6	16127.8	745.7	402.7	142.7
788.9	3845.4	7858.7	347.3	777.3	3043.1	6562.7	423.9	2876.6	2357.3	21907.1	1454.2	289.3	274.1
4276.6	4036	14027.9	564.4	1350.5	3398.4	9076.5	291	1807.5	1649	16095	723	40.6	276.8
2917.8	4826	3899.2	337.1	1532.6	2347.8	4956.6	255.3	2427.1	3231.3	14385.3	1720	150	664
2467.6	3680.9	8017.7	344.2	1141.4	3050.4	8312.6	301.4	2615.6	1568.4	23143.9	1239.9	398.3	266.2
2051.3	4803.2	9364.6	310	1114.1	1793.8	7949.5	564.4	1914.9	1785.5	19662.6	685.5	213	189.4
1419.1	2440	4285.1	406.4	818.1	1941.6	11457.7	153.4	2971.8	2557.3	17895.6	1174.4	396.5	318
2313.6	4985.3	6000.2	215	1532.6	1495.3	7112.5	168.5	2499	3053.2	36643	2907.9	892.4	300.1
6438.3	3341.3	8352.3	387.1	1107.5	1553.5	8454.5	303	3146.5	3320.7	24303.6	1393.3	957.2	567.9
4695.7	3159.1	5984.7	277.1	954	2147.5	8855.2	281.8	2795.5	3298.9	40674.2	730.9	1943.7	576.8
4858.2	3808	5213.5	473.6	1052.6	3714	4980.5	252.2	1985.5	1210.4	8353	823.2	224.9	259.8
4509.5	4377	5913.9	623	1768.8	2875	7185.8	300.1	1615.9	1367	15978.5	807.8	161.4	301.1
3804.2	5589.6	10046.8	586.7	1196.6	2287.1	7603.2	499.9	1943.4	1184.8	21059.2	645	95.1	668.4
3157.8	4081.6	13344	503.1	1015.6	1182.5	7915.6	335.3	2372.7	1929.1	26227.2	659.7	1082.6	401.3
1674.8	2812.1	6200.7	296.3	814.3	1050.5	5494.8	443.9	2175.4	2252.5	12038.6	903	923.4	382.4
3618.1	3309.8	5526	371.5	778.2	2847.9	6450	221.5	2481.6	2320.3	16806.4	2002.1	453.8	285.8
1282.5	3380.6	5099.6	448.5	652.8	2901.3	10986.8	209.8	2241.8	2696.3	19583.1	946.6	164.9	358.2
1533.8	4104.9	8228	342.2	1070.3	2144.2	5459.1	255.8	1356.6	1900.3	23304.4	1469.9	212	314.7
1636.9	4469.7	6360.4	273.3	1545.8	1913.7	2908.5	283.1	2246.4	3387.6	18412.2	1731.6	605.8	79.1
2008.7	6700	10388.3	359.9	6996.2	2016.1	6840.3	242.5	2880.4	1592.5	15723.3	807.4	224.4	152.6
2907.8	4455.8	8438.4	449.8	1192.4	1907.1	14085.3	252.7	2445.4	2333.5	20042.4	1074.3	280.8	269.7

689.8	4044.5	6883.7	288.4	1685.9	2550.9	6646.1	129.1	1339.5	3238.7	29035.7	770.6	722.3	329.9
1327	3528.2	5954.2	434.9	967.9	1276.6	19271.3	185.8	2928	1327.3	27016	1302.3	982.9	301
921.5	3553.3	4832.5	294.1	1711.1	3571.7	8762.6	271.2	3256.5	2878.6	30988.8	1628.3	336.4	320.7
1943.5	2662.8	8521.4	367.5	971.3	1515.5	10759.3	413	2566.1	1811.2	35647.7	933.8	306.5	2914.7
533.8	3907.8	1734.2	252.1	594.5	975.3	3186.4	285.1	2716.4	2145.1	30685.3	1488.1	274	2860.9
3775.1	4940.6	7208.3	477.7	1117.3	1705.1	5297.5	602.6	1670.8	1090.3	12724.9	845.1	343.4	1659.3
2952.4	4908.1	4470.9	352.5	932.1	1926.2	6689.4	419.8	2899.7	1349.3	6701.7	1201.2	31.9	310.7
2606.9	3379.4	5827.2	318.3	1552.1	1041.8	7593.6	343	2720.8	1873.6	26590.4	906.9	79.5	1502.3
5753.3	3677.8	6285.7	544.1	2839.1	1992.6	17750	313.1	2705.4	1846.2	30206	791.2	366.8	190.2
2329.9	3436.7	5392.6	705.9	1140.4	2286.3	12966.9	481.1	2708.1	1245.5	24122.1	1176.1	347.7	197
2833	3849.7	12360.1	368	1014	989.5	7686.7	373.8	2624.4	1264.9	20257.5	1291.1	863.2	737.9
2018.8	4883.2	3278	536.3	1267.3	1306	14774.3	340	2156.2	1907.1	12435.4	1165.3	380.6	292.3
3879.6	4128.4	5716.5	436.5	1202.8	1449.2	8897.7	486.3	1554.8	1395.1	12992.5	834.3	271	358
1096.1	6823.1	6518.3	642.3	1731.7	2102	5697.7	296.7	1416.2	1369.1	34979.5	721.4	796.1	331.7
1971.3	5314.9	2718.1	432.9	884.1	1002	7804.3	434.7	2902.4	2874.6	18599.5	1144.1	676.2	366.9
1150.3	4062.9	8263.8	413.6	1023.4	2721.8	7009	365.4	2947.5	1630.3	16306.6	555	722.9	112.1
1303.1	3820.4	7119.3	349.4	2185.2	2445.5	7842.1	386.1	2636.8	2666.9	23340	916	324.8	375.5
1501.9	5312.5	10452.9	670.2	1916.7	2895	7022.7	520.6	2499.6	3554.8	18241.6	591.4	234.2	317.1
1126.1	4261.8	8975.7	260	910.3	2107.2	5127.4	351.9	3086.1	1202.1	25656.8	963.4	394.4	303.2
1022.8	3022.5	1507.2	218.8	1006	1039.5	2161.5	324.3	2370.2	3936.3	53315.6	1913.6	388.1	2443.8
567.7	5493.5	3886.7	260.2	1388	1429.1	5493.1	261.2	2862.3	1537.2	37421.1	1217.6	177.8	517
2013.6	3080.2	3362.7	426.7	576.7	1586.7	8906	351.4	3206.6	2155.5	28885.8	2283.2	1242.9	197.4
3772.3	1688.5	4469.9	365.1	897.3	1340.1	12136.9	387	3913.1	3540	32795.3	1648.7	703.8	470.8
687.8	2983.4	2666.3	255.2	1652.2	1395.9	6796.9	314.4	6659.1	1717.2	30296.2	1943.2	1199	1162.2
744	3210.1	5047.4	544.9	1148.5	1155.6	4960.5	202.3	2925.7	1705.6	48204.5	2294.7	1354.5	434.7
783.9	2928.3	2368.1	522.3	822.7	908.9	3232.8	229.2	2245.8	2241.2	37517.2	1179.8	1044	591.8
662.3	4927.4	7933.1	344.1	1012.1	749.9	13158.9	200.2	3155.8	4403.3	55890.7	1552.4	1451.6	484.1
954.1	2825.3	4571.5	348.7	1346	1144.3	4812.6	326.6	2195.5	1687.2	42624	2758.8	1243.2	1007.6
1030.1	3229.7	2017.2	602.5	977.1	1244.2	7190.1	307.8	3184.5	1841.9	47119.8	1873.6	74.8	389.9
777.4	4090.4	3799.7	444.5	1770.5	892.9	5970.5	148.9	1932	2281.5	21529.2	1379.6	782.4	257.7
1559.1	4328.8	5355.4	310	1755.5	1571.8	4893.6	213.5	3248	2842.3	28773.5	915.6	587.2	213.8
833	2755.7	1629.4	403.9	1107.6	1007.2	10300.5	268.1	1939.7	1228.1	33196.7	1997.6	89.3	255.1
1256.4	3346.4	2381.5	377.1	1067.8	1290.8	12991	215.1	3282.1	1600.4	34179	1490.5	321.5	487.2
1299.8	4238.7	5181	372.5	877	1781.1	7369.9	264.8	3189.9	2108	37562.6	1727.9	131.3	281.2
1598.3	2392	2640.6	226.4	1417.9	1299.9	3672.7	255.8	2770.9	1901.3	27018.7	1047.6	541.8	1302.4
379.7	2835.4	4444.2	208.2	1065.7	738.7	5083.4	305.5	1996.2	3893.1	19694.9	2306.7	1483.6	379
1031	4753.4	4098	318.1	843.1	1055.3	3405.7	289.8	2355.5	2329.5	31045.7	1369.4	321.7	579.6
293	1317.9	733.4	367.4	704	437.2	1398.9	466	2672.7	3101.7	60951.5	2455.9	1366.4	1460.6
1648.3	2099.3	6488.9	430.7	1509.9	1577.8	7690.7	155.2	5235.4	2796.7	16165.2	809.4	1181.5	225.3
202.2	2963	2729.7	327	1320.1	594.9	10393.1	234.7	2710.4	2793.8	24336.5	1965.1	175.2	296.9
2118.6	3169.5	4991.7	660.9	572.6	1294.8	5699.6	198.9	1729.9	2471.6	45191.4	2131.1	2669	777.9
1837.9	2163.4	4015.2	443.3	1239.9	593.6	4285.2	291.6	1695.9	1466.1	38373.2	1033.3	785.2	1930.7
1122.1	5440.5	4277.1	627.5	952.9	1242.8	5276.7	330.9	2298.1	917	42099.3	929.2	596.6	544.6
1193.8	2645.8	4884.6	345.3	2273.3	1406.9	3551.1	266.2	2361.7	2347.1	16149.3	1272.1	260.2	323.4
3931.8	2958.1	6571.9	264.1	653.8	1264.1	9084.3	261.4	2816.8	2096.1	50247.5	4317.4	1319	455.6
965.8	1967.5	6673.7	268.3	799.9	388.4	6534.5	288.4	3955.1	3849.9	41416.9	1610.8	1592.2	383.7
1484.6	2344.2	3710.4	199.8	1429.8	779.9	3033.8	339.7	3144.7	3634.1	36748.2	1067.5	1000	728.6
2431.1	3391.9	9738.3	656.2	744.4	1533.2	10005.4	274.5	3007.3	1560.2	16021	1716	214.9	237.6
1059.3	2468.9	5230.5	540.7	1042.8	1745.4	5728.4	276.2	2538.3	1520.5	18904.9	1197.8	1333.7	314.8
866.6	1861.4	4736.2	466.7	1175.1	882.9	4743.3	250.5	2956.8	5026.2	31576.4	1466.8	801.4	1470.3
1126.9	3362.5	2840.2	241.9	964.7	2659.6	5995.6	146.1	4572.7	1883.8	32523.2	1098.6	1518.7	740.3

596.6	3109.5	3731.4	217	508.3	1111.8	4284.2	125.6	4495.1	5807.3	34729.3	1916.2	1946.2	359.7
1339.7	1979.9	6673	336.9	1109.2	765.9	5141.8	131.2	2778.1	4074.6	24807.8	2328.2	1348.4	281.6
1264.9	1729.4	3003.5	216.8	530.1	874.5	4744.5	123.3	3529.7	8740.8	42257.9	3054.2	619.3	6081.7
1588.4	2245.7	3277.2	239.1	369.4	864.9	3516.6	163.2	4347.2	3023.3	28291.5	2410.6	1105.3	932.3
1113	2880.5	5922.5	300.2	986.2	1192.8	6386.8	132.5	1399.1	5431.8	48752.2	1288.9	950.7	2699.1
1110.2	1704.2	3802	198.2	724	585.5	5240.9	144.4	3518	8753.4	45760.1	4078.9	1430.7	498.7
1188.7	2111.6	5396.2	374.1	668.1	2392.3	4992.5	125.4	4157.6	5395.6	46608.1	2308.1	881.9	1376.7
1117.3	3065.2	5600	412.5	496.6	1323.5	5107.3	340.2	3500.7	3509.2	64405.7	2880.2	450.7	1107.2
981.2	1600.1	4868.2	597.9	422.8	901.9	5444.6	186.6	2550.9	3905.1	45667.2	1843.1	1742.2	189.3
1259.1	2622.4	6861	444.8	643.7	903.7	6324.6	404.5	3305.3	1937.5	34507	1360.7	1229.2	996.9
1233.5	1642.5	6322.6	470.9	1157.2	891.3	6901.5	235.8	4309.7	4325	57418.4	1422.5	1258.2	1105.2
630.4	3781.5	3284	635.9	270.6	1449.1	6179.5	103.3	3541	2339.3	25878.6	890.7	193.9	464.2
752.5	1983.1	5670.3	290.1	652.6	459.3	18611.6	525.1	4446	2062.2	48732.7	1391.1	744.2	868.1
663.7	2898.7	4262.7	280.4	744.5	1323.4	6527.6	198.6	3461.3	3897.6	54074.2	1957.1	811.3	811.5
2163.6	3445	5295.8	328.7	731.6	1278.5	7435.1	246.2	3829	2308.6	37257.5	1439	1010.6	545.1
1805.6	1897.4	4144.9	299.7	589.2	1730.1	4091.8	173.3	3205	3957.9	32269.4	1802.7	523.8	2144.9
1535.3	3572.8	4586.4	601.6	550.9	2575.2	11721.3	199.8	2721.6	1062.9	35186.9	1849.3	402.2	115.2
932.2	3302.1	3399.1	367.2	1635.4	569.7	4670	164.8	3485.3	2460.3	22211	1617.7	130.6	1061.8
2196.5	3325.3	9821.7	370.1	854.7	4444.6	12709.7	159.5	3882.8	2663.1	29320.2	788.9	396.9	260.2
3370.6	3764.9	5349.6	345.7	700.8	2462.1	7713.5	187.3	1851	3340.3	24294	691.4	348	197.7
3940.1	3244.7	3524.4	207.1	704.5	1530	6105.5	118	3186.8	4220	25886.7	1193.2	376.3	342.6
7528.3	4365.2	9735.2	302.8	831.2	2148.7	9784.2	198.8	2215.8	2885.8	17914.2	1785.2	263.9	316.6
2965	5280.6	10000.4	380.4	973.8	2386.9	13289.8	287.2	2310.5	2257.5	30841.2	933.2	59.2	394.5
3257.6	4185.7	11961.6	449.2	894.5	3589.9	12317	266.2	4917.7	2690.8	24023.4	1223.3	322.9	231.4
2569.7	3341.4	12345.2	562.9	1347.9	3967.9	10672.6	136.9	5185.4	2743.5	32290.9	984.4	534.1	294.9
2314.8	3925.9	12105.6	397.8	921.7	3913.6	11284.4	97.3	3552	2275.4	41012.6	1881.4	669	278.5
2577	3538.9	7148.1	390.5	781.7	3659.7	12607.3	273.6	4150.9	3265.2	25854	1191.8	283.1	606.7
3920.1	3709.4	8254.3	318.8	970.7	3859	10271.2	246.8	3125.7	2128.1	19597.4	1112.2	448	805
3563.3	3710.5	7112	289.2	894.6	3849.5	4704.6	254.9	3625.2	1393.6	21780.3	1983.5	132.3	279.2
2392.8	4928.9	10454.7	710.5	1193.9	2223.9	9697.3	382.5	2344.5	1858	21286.3	1235.9	571.1	794.3
2763.2	3872	5044.2	465.3	640.6	2429	8054	226.5	4189	1726.7	20207.7	1012.1	253	496.2
4487.4	2646.6	4051	315	1275.8	765.9	3899.9	191.4	3010.7	3476.4	37341.5	1286.5	682.8	856.5
865.7	2803.4	7473.5	267	605.4	851.7	9879.6	160	3854.1	5824	49820.5	2464.8	411.9	400.7
2877.3	3472.2	7413.5	277.1	708.3	1897.9	9750.8	158.5	3728.8	4116.8	24109.7	2064.7	625.9	2444.4
5321.6	1950.1	8709.2	491.1	308.6	5171.1	13845.7	139.7	2641.7	4244	32876.3	1147.1	707.1	943.8
982.1	2861.7	6341.5	441.1	1197	2225.9	13161.3	175.7	6630.9	1979.1	28584.3	1351.3	488.2	490.5
7493.6	2940.2	5571.3	620.8	610.1	2504.3	10949.4	200.8	1971.5	3738.3	45364.6	1419.2	390.9	1037.6
744.2	2295.8	7550.5	414.1	655.3	1467	5979.4	267.6	1962.2	4057.8	36249.7	1483.5	1046.9	527.3
697.7	2627.4	2300.3	355.1	769.7	2145.9	4371.5	143	2591.2	4134.8	24431.9	1646.3	43.1	612.4
1387.1	2048.5	4148	642.1	748.9	3636.6	12405.8	260.5	4453.1	2318.3	40192.9	1051.4	1016.3	192.7
1907.4	2484.6	6185.6	520.5	394.9	6556.6	12984.9	183.8	3785.2	2309.4	15772.5	1226.5	396.2	127.9
1939.4	3817.1	6263.2	384.9	329.3	2622.3	16435.3	239.8	4329.6	5650.9	63469	1716.3	572.5	502.4
393.6	3422.5	5552.7	329.9	936.4	2717.9	11712.2	371.6	2583.8	4170.3	27335.4	1516.8	905.2	304.5
2275.9	2234.6	6454.1	362.3	894.2	2571.7	7237.6	172.7	1768	3657.5	23980.9	2481.6	533.7	318.8
1979.1	2742.1	6040.8	437.7	612.3	1940.4	10511.9	238	2369.7	3702.5	42820.4	1239.1	156.9	530.5
1181.4	3003	5802.3	382.7	684.9	2003.2	7790.1	120.6	2655	4149	25432.3	1272.2	398.4	547.8
3385	2392.4	5552.5	164.5	721.5	1879.1	5763	273.9	3626.3	10690.5	57866.9	3227.8	1203.9	1159.8
3884	2557	6752.5	453.7	1045.7	5072.1	14462	107.4	5034.7	3424	40564.9	1057.1	567.4	573.9
2415.1	2677.6	9405.8	392.8	775.9	3541.8	10568.6	181.4	4276.3	3435.8	21042.5	830.8	352.1	814.1
2661.3	3971.3	5624	373.5	754	2256.2	7562.6	138.9	3337.7	3584	19668.7	1525.5	361.5	1235.7
761.1	2406.6	8462.1	337.7	759.9	2825.4	10300.5	84.2	4292.4	4082.7	41812.5	1260.8	386.2	174.4

1697.3	2598.1	6101.8	412.4	853.7	2764.5	8353.3	194.5	1779.5	4132	35917.4	1495.8	563.6	548.2
2117.4	2823.6	6481.7	387.3	237.8	5468.6	11645	205.5	3999.7	2928.4	62367.1	1233.7	795.5	1262.2
2203.1	3437.9	7682.2	640.5	974.9	4195.9	15431.8	264.6	3654	3536.3	38371.3	1487.1	144.6	857.7
569.5	3468.1	8323	360.6	967.1	2626	8072.6	152.6	2537	4132.9	19221.9	895.7	645.9	235.5
1022.7	2001.2	6552.2	316.7	992.7	3404.1	8962.6	153.9	4265.3	4458.1	51287.8	3279.1	768.1	670.9
5124.9	5017.7	5865.2	540.3	929.7	1736.5	5416.5	240.2	1592.8	1132.7	12219.1	886.6	56.9	528.3
892	3646.9	3318.5	426.5	1173.9	1730.6	3443.7	281	5565.2	1283.4	12273	1486.7	434.3	521.8
2786.9	3899.7	7867.2	532.9	1216.7	2212.4	6430.2	359.4	2169	2127.9	16658.7	1439.5	505.9	223.6
230.1	2433.6	756.3	183.7	1480.4	270	2648.1	170.7	1710.8	3784.7	33137.3	1685.9	2483.4	253.2
1089.6	2268.5	3460.2	355.8	562.4	2211.9	5765	238.7	2967.8	3142	19699.9	2018.2	849.1	156.5
401.1	2463.8	2210.5	411.5	681.5	724.6	2013.1	197.1	2524.9	3321.9	68402.1	1023	834.8	1531.9
2657.9	3743.3	3320.6	409.4	721.2	2057	3866.4	133.2	2732.5	3576.4	25801.8	1813.9	320.1	1458.8
549.2	2636.1	5481.1	398.5	534.2	1648.4	3931.9	234.7	4064.7	3266	38132.4	760.8	534.6	180.6
1840.5	3277.4	4433.3	472.4	572.6	2673.7	5132.9	203.4	3163.8	3015.5	23411.3	949.6	377.9	118
547.4	3508.7	8206.6	604.9	2630.4	2083.1	6515	218.7	2310.6	2116.7	17881.1	1527.8	446.4	525
1425.6	1436.7	5424.8	482.3	451.7	1780	10168.7	182.4	4505.7	4248.3	54524.8	1943.7	712	328.5
935.5	1813.9	3728.1	489.7	482.1	2209.1	10379.2	214	3696.6	4545.9	42307.9	1514.6	484.6	409.8
1410.6	2343.8	4470.2	423	272.8	1351.4	5454.7	277.2	6333.9	2808.9	37176.8	1572.1	842.9	652.1
457.1	2214.7	3757.4	434.8	887.7	2732.2	6140.7	202.1	2170.7	1664.8	20546.6	1750.6	405.7	254.1
795.2	2812.4	2194.5	213.7	538.2	1619.1	7487.7	154.3	3976.4	6796.5	33775.8	1556.1	668.5	1305.8
1129.6	3058.6	5602.9	234.6	898.6	3290.6	6941.4	159.8	2922.6	2818.3	19772	2220.1	88	504.8
1912.6	3993.5	7372.6	337.6	1377.6	3948.4	9374.2	177.6	4269.3	3914.6	36255.6	1297.2	231.2	595.7
6652.1	3203.6	4909	423.5	594.7	2362.1	8892.3	151.6	3217.9	2270.3	15520.2	898.4	45	413
6143.2	3793.4	9680.5	330.4	633.6	3632.2	12808.4	220.5	1323.2	2323.6	15955.1	1121.2	134.6	714
2135	3562	8106.4	422.7	896.5	4634.6	10710.3	133.1	2439.4	1767.7	15777	894.9	178.8	145.5
1298.7	3360.9	7589.3	435.4	945.7	2401.5	9474.1	304.1	2368.7	1568.8	15860.6	1085.8	403.5	241.3
8123.5	3313.1	9026.3	489.5	898.4	2191.7	10194.4	427.8	3200.9	2237.7	24330.5	963.4	234.8	834.7
2507	2565.9	8000	504.8	797.2	5859.3	11272.5	176.4	2343.4	2501.2	15822.8	1509.6	56.3	119.3
911.5	4331.1	9494.6	357	1284.7	1384.4	8593.4	221.8	1235.9	1742.4	31808.9	1580.3	771.9	177.8
543.5	2323.4	1727.6	503.4	1122.3	1815.3	4790.8	167.1	2730.6	2290.3	36082.6	1942.3	1927.8	957.6
724.9	2241.6	3297.6	176.1	566.7	2033.7	2827.6	338.8	2091.5	903.3	16646.9	751.5	420.7	121
849.8	4780.4	4109.2	467.7	480.3	1479.2	11514.4	122.3	1548	3135.6	12506.6	773.1	172.4	113.7
1145	8665.1	5550.4	166.2	784.1	1123.1	8312.6	284.8	1233.1	2352.7	12456.5	614.4	151.9	2370.5
2386.5	4017.5	3795.5	241.9	1397.7	1297.4	6828.8	293.3	906	1415.5	8292.2	1051.5	98.4	187.4
1861.8	2938.8	6495.4	336.4	716.6	1306.3	8745.4	348.9	1456.8	4069.3	17015.5	1361.7	179.8	300.8
396.4	2230.5	4668.7	176	511.4	1580.7	2214.6	97.8	2189.7	1899.4	19457.3	625.3	147.2	60.2
2344.6	3464.7	7901	301.3	911.8	2288	11149.9	154.4	3831.8	1172.8	18433.6	738.5	80.6	53.7
1223	3675.5	4490.4	192.5	576.7	3772.2	5404.8	225.2	3000.4	1463.2	12497.8	918.2	250.5	59.7
3949.5	3654.3	4023.2	333.8	512.1	2478.6	7416.5	306.4	2365	1453.9	10309.1	785.5	145.4	110.2
2395	4374.2	4751.4	268.5	345.9	1912.4	4602.7	200.6	1666.1	982.3	6684	595.5	156.8	263
1967.7	2698.7	5574.1	382.3	492.1	3253.6	6989.9	192.5	1656.9	1035.3	10900	961.7	435.3	195.5
910.2	1853.3	692.3	238.7	448.3	3881.3	8690.3	218.9	2981.6	1567.6	11778.9	850.4	172	123
2275.3	2161.9	3152.6	499.6	518.5	3864.2	6534.3	137.7	1377	2110.5	13116.2	693.1	210.5	145.2
4326.6	3058.5	6794	369.8	962.3	2230.3	17420.4	379.1	2131.5	1201.6	13390.8	661.3	45.1	171.5
434.9	4273.9	4021	208.8	482.4	1552.8	3564.9	143.8	2357.6	1595	20180.1	520.4	117.7	80
869.1	3783.7	4639.8	358	575.3	2097.7	9317.5	193.7	1987.7	1151.3	17738.9	683.1	163.8	118.3
1057.3	2399.8	2331.8	289.7	446.4	3174.5	5557.8	209.1	1536.9	2156	17076.5	936.7	420.1	132.9
1408.5	2973.6	6542.8	281.7	847.1	3879.5	6258.7	233.8	2394.5	1594.6	23744.3	961.3	99.2	151.4
3476.7	4486.7	2361.1	340.4	544.7	2785	3838	162.3	3364.5	2174.7	17181	729.2	260.7	137.8
4660.6	3819.3	2934.3	473.5	628.5	5089.4	6000.7	341.9	2127.7	1031.5	6589.6	574.5	178.4	149.6
3330	4020.2	6415.9	575.5	511.8	4562.6	7667.1	196.2	2890.9	1710.8	12384.1	1327.4	110.6	106

6587.6	3892.6	10288	419.2	734.7	1776.5	16625.1	262.1	2449.6	1125.4	11065.4	736.6	180.5	140.1
4134.9	2125.1	9686.1	463.5	426.3	4993.7	5302.6	208.3	4704.6	2679.4	16279.3	879.8	279.9	222.4
3144.6	1882.6	4608.4	628.3	530.3	2622	6830.4	196	2281.6	2045.1	14286.7	669.1	205.7	115
1792.2	3585.2	5147.9	384	610.3	2933.8	14804.4	341.9	1422.4	1774.2	11930.5	619.7	150	270.8
4530.8	2863	7800.2	392.4	515.6	3169.6	7788.3	152.6	1099.8	2321.8	15135.9	687.4	56.4	34.5
2038.4	2311	2090.4	398	233.1	8215	11584	174.4	4013.1	1753	16130.1	1114.4	143.7	154.9
5705.9	4007.7	8036.4	432.8	1746.7	2508	10765.4	531.1	1314.4	2393.1	11101.1	505.8	125.3	609.7
2466.5	4035	7253.6	478.9	657.7	2525.2	5478.2	356.5	1307.1	2039.6	13161.2	327.5	214.1	320.5
1965.7	2801.9	5996.3	381.5	500.9	1919.1	12408.2	326.6	1367.4	1554.4	21183.6	648.1	194.1	318.2
3813.9	3568.9	6644.4	612.8	601	3671.1	10959.7	296.9	1992.2	1730.9	12837.4	764.4	158.3	126.7
987.8	5375.6	4013.4	188.6	476.4	1586.7	4058.1	96.1	2153	2133.9	17251	837.5	136.2	29.6
3844.9	3266.4	5038.4	427.5	598	3329.3	17990	174.2	2055.8	1868	14934.1	610.3	162.8	130.1
1587.5	2915.6	4312	371.5	878	1470.5	3626.7	407.5	2201.5	2404.1	20304.7	761.6	380	71.7
2803.8	4235.7	6813.3	476	618	2897.5	8392	193.9	2356.2	2215.6	12692	477.3	223	212.2
1130.4	2709.6	5116.4	888.4	519.7	2180.9	6311.2	268.4	1147.1	693.7	8257	665.4	401.7	300.1
2641.5	3335	7195.2	588.6	365.9	3345.4	12745.5	167.1	1643.9	2448.3	25852.5	885.8	128.6	344.5
620.7	2576	2106.7	265.7	424.9	2977.8	3492.9	163.4	2825	1707.6	13120.7	859.9	205.1	102.4
2026.3	2792.9	4524.5	139	684	2234.1	3710.5	269.8	1982.9	967.1	21261.5	749.1	118.3	133.3
867.1	3045	6200.8	264.9	736.1	2778	4126.5	255.8	1853.7	1691.9	25201.3	690.4	664.8	93.8
542.2	3851.1	2950.1	225.6	721.4	1826.7	4059.7	277.7	1322.2	2065.5	13284.9	286.8	49.1	80.3
895.9	3411.3	5539.1	188.7	1180.4	1611.9	8483.6	272.4	3405.6	3198	16040.6	757.5	86.9	231.1
627.6	4004.1	6228	578	391.3	1404.6	1664.1	179.4	946.9	1262.2	19660.2	833	390.2	120.2
339.1	2928.1	2101.6	485.2	558	908.4	2382.4	130.6	2281.5	1884.3	32900.1	834.9	348	97.4
2204	2139.2	3419.7	140.9	985.7	1381.1	2706.5	260.3	2033.8	1660.9	9406.1	535.6	104.2	100
2542.9	2775.4	3046.5	432.2	1066.4	1230.3	2526.2	359.6	2893.5	1221.2	8663.4	833.7	528.5	141.9
2074.5	4551.9	5228.4	326	535.8	2870.6	8729	209.6	3320.7	919.6	6385.2	600.2	74.7	30.1
5019.5	3568.7	8030.4	538.4	1137.8	1791.4	5761.6	234.5	1479.4	1615.7	16132.5	756.9	115.9	262.8
3282.5	3058.1	5018.8	558.7	608.9	2368.2	5617.2	125.6	1889.3	1730.6	10908.5	917.3	397.1	193.3
473.9	4162.9	2772.3	377.4	598.8	3981.5	4157.6	164.8	2009.9	1418.3	14794.5	978.9	44	141.5
1147	3407	6656	366.9	531.4	1990.6	4218.2	292.2	896.3	767.1	11887.1	665.3	569.6	249.2
7734.9	3191.4	6703.6	148	1055.3	1661	6917.4	288.6	2058.9	1571.6	11162.8	563.9	180	237.5
4389.2	4579.6	5688.5	333.2	768.9	1637.8	7657.8	333.9	1971.4	848.4	8718.3	994.8	380.7	220.4
507.3	3429.3	1254.8	379.8	475.1	6356.5	9057.3	81.7	3154.1	1076.6	15576.2	282.5	78.4	76.3
753.7	3218.5	1956	328.7	285.4	2176.3	7081.8	129.9	1629.1	2604.1	20382.9	1024.3	199.5	436.3
1212.4	2811.3	2624	473.2	831.2	2810	13749.5	135	2077.1	1012	20960.7	687.8	173.9	17.7
4708.9	3499	6481.3	321.8	719.1	2185	7821.3	232.4	1667.6	1535.7	13036.5	568.7	349.6	332.2
1969	3416.3	5791.3	251.3	941.1	1648.7	5396.7	275.2	2129.2	1610.5	9105.9	805.2	184.7	37.5
451.3	2540	4356.1	750.8	265.7	6359.8	6416.1	211.9	2521	3737.5	20379.8	1738.6	241.6	69.2
1131.5	3734.2	5295.9	327.3	1017.7	3769.2	6891	488.7	2017.3	1170.9	10722.3	522.3	229	118.3
2796.2	3774.6	5491.1	206.8	617.5	1826.4	8748.2	496.3	1725.2	2546.9	19101	688.4	183.5	119.2
2312.9	1989.9	3488.3	248.7	377.6	3008.5	6469.3	214.8	1929.6	3555.2	35391.1	690	192.3	119.5
2459.7	1983.8	4387.3	480	1252.8	1836.7	3386.9	346.2	3128.7	1559.5	12871.7	737.2	287.5	156.6
1249.9	3857.2	4355.1	463.4	1122.5	1392.4	4230.6	155	1415.6	903.7	8854.9	844.5	53.7	17.9
450.2	4036.7	2778.5	373.3	657.2	1315	1821.3	356.8	1339	2535.1	21692.4	743.2	329.2	371.3
1322.2	2157.9	3450.7	342.2	1084.8	1795.8	3086.2	261.1	4094.6	1624.9	14490.3	884.6	204.7	75.2
1814.3	4196.7	3844.9	328.9	902	1462.3	3659.6	278.8	1882.6	1551.9	13511	685.6	127.1	157.9
1439.4	3084.1	4705.9	378.1	583.9	1564.3	4088.2	146.6	5785.2	5102.5	31171.4	1640.7	410.6	237.5
1336.3	3022.1	4500.6	321.8	812.7	1691.1	2372.4	254.5	1255.8	2719.9	22003.5	982.5	191	1657.3
1266.1	4416.6	5187.7	279.9	1094.3	2070.1	5344.7	277.2	1577.5	1506	16157.3	866.8	129.7	2066
592.8	3223.8	4374.4	354.6	1010.4	1740.3	4304.5	180.5	2542.1	2850.7	17124.5	1297.1	306.7	699.2
933.3	3206.9	6153.2	387.7	845.4	1526.7	5602.4	160	2500.8	4294.1	47729.3	1941.6	292.6	1867.8

2715	4798.8	4832.8	420.2	1020.6	1963.4	8093.3	158.6	1402.2	1369.2	14478.7	752.8	149.8	486.7
580.2	2632.2	4387.5	362.7	545.2	1566.1	3156.6	217.5	2423.1	1603.5	23554.2	958.2	403.7	708.8
323.2	3395.3	2700.4	295.4	558.7	1285.8	2864.3	116.9	2018.5	2082.5	18261.7	1048.4	197.1	87
2235	2569	4556.1	418.9	716.9	1807	4236.5	210.6	2039.4	1648.7	11170.7	628.7	43.1	299.1
1429.9	2041.4	2202.2	608.2	476.5	1284.7	9129.7	98.8	3886.8	2653.2	20295	1262.6	618.1	150.3
3180.7	4185.9	10899.4	243.8	527	2151.4	15646.6	305.2	1750.7	2593.7	20951.7	1237	204.8	191
1788.7	3881.9	5206.5	304.8	446	3906.3	5775.2	99.1	1484.8	2383.1	13876.4	1236.9	140.5	3111.6
1935.1	2428.7	4475.1	552.6	1219.9	4150	6692.6	231.7	2570.8	2215.3	21693.4	892.1	359.7	359.8
1091	2711.7	2371.4	402	699.3	1779	5358.1	128	2730.3	2786.3	17809.3	1776.2	229.3	1453.4
4549.5	4077.1	7865.4	460.1	2010.7	1635.6	7495.6	152.3	1568.8	2061	19598.6	820.8	187.6	668.3
636	2262.6	5204.5	480.3	351.3	2641.9	7924.6	127.1	3855.9	2214.6	28779.4	1396.7	217.2	176.6
1073.5	3668	7350.9	211.1	815.7	1625.9	6745.3	252.1	3388.7	2000.1	12632.1	436.3	184.7	329.7
775.6	3274.4	4030.5	229.8	1193.9	2187.4	7276.6	171	2106.1	1191.3	10196.8	1651.5	446.1	401.2
1926.9	4542.9	6376.7	257.8	1101.4	2256	11265.3	365.5	2894.9	1986	14211.6	1340.4	158.9	135
2408.3	2525.9	5023.2	333.5	688	1588.7	4906.5	242.4	1702.2	1992.8	12515.1	1981.5	76.3	672.5
875	6309.6	4491.8	238.6	628.8	1329.5	5176.4	190.6	1528	4638.7	22284	696.2	128.9	138.7
1054.9	4694.6	6746.9	525.6	1780.6	2246.1	7395.5	345.1	3845.2	2856.4	14498	644.8	295.8	558.4
2441.9	3245.3	6522.3	480.8	302.9	3558.4	12119.2	171.9	2587.5	2562	24255.6	770.7	172.3	569.6
2497.6	3025.3	8085.2	196.3	579.9	1682.5	10224.4	169.6	1972.1	2244.8	13807	1012.9	37.3	361.9
1658.4	4009.4	8274.8	262.8	1296.9	2475.6	6161	423.1	2567.2	1181.9	13315.6	817.3	211.2	514
1355.5	2367.1	12163.5	442.5	1656.9	2938.7	10630.2	76.6	4388.7	2147.5	10869.2	1141.2	382.2	339.1
253.5	2171.5	2973	227.2	1149.5	436.3	1765.4	373.4	2354.6	2383.4	23300.2	1111.2	330.5	1433.8
1776.1	3215.3	3695.7	253.9	819.9	1735.5	3213.8	112.7	1645.7	2022.1	10142.7	594.7	163.2	343.2
2947.6	4700.3	7960.7	364.2	575	4072.3	8830.6	136.4	2503.3	2431.8	13331.8	898.1	116.5	280.5
1011.3	3560.2	2300.7	526.3	383.1	1126.9	10180.5	172.5	1161.8	2878.1	27041.2	1187.8	292	543
2647.9	4040.7	6441.4	361.8	1053.9	2279.1	8833.3	401.6	3111.3	1308.1	8755.1	868.9	402.1	160.8
1086.7	3012.5	2765.2	402.3	1176.9	885.7	8642	204.2	3413.3	1971.8	11263.6	587.7	206.7	91.6
2218.5	3280.7	4201.7	254.4	557.4	1860.1	8587.6	308.4	3139.6	1519.4	11495.1	857.5	137.2	314.7
2267.6	2040.2	2488.3	579.2	268.9	2896.6	14637.4	123.5	7837.8	4302	60027.6	1328.4	479.9	9165.8
1390.6	3273.6	5951.4	220.2	1102.4	1545.4	6956.6	239.6	1335.3	1004.4	12121.7	1240.6	234.9	250.5
1195	3240.9	5101.6	480.4	1937.5	2213.8	10347.5	296.3	2552.3	1828.7	18122.8	1450.4	516.6	151
478.2	2276.9	4376.9	550	596.4	2611.9	11167.1	314.3	3362.7	4813.1	44982.5	1651.9	91.5	191.2
934.2	2488.9	9061.1	415.4	790.8	5235.1	10129.3	163.9	3118.6	2963.7	24946.5	1043.5	225.1	211
6748	3359	8683.1	392.6	305.2	3935.6	14162.6	392.9	2374.2	2710.4	16829.7	1106.5	593.7	445.3
4543.7	3829.3	5631.4	431.6	1151.6	3272.6	7471.6	379	2105.1	1146.5	10643.6	430.1	187.7	328.7
3886	2961.6	4091.5	577.4	617	4428.5	11912.5	156.2	2380.7	3804	17083	859.6	156	1026.9
1301.1	3529.8	5098.8	337.8	494.7	1123.5	7029.7	222.7	3585.2	1597.7	17544.3	503.9	378.9	400.2
966.8	3088.1	5298.6	216.9	1525.5	2065.5	4637.2	111.5	4283.7	3802.9	29637.7	1098.8	68.5	315.4
479.2	2501.8	2690.6	199.9	1266.6	832.6	10547.2	268	2059.5	2634.3	32202.8	1712	184.6	198.1
2800.3	1708.4	5515.2	334.5	514.4	2227.4	8078.2	308.8	4024.8	3224.9	40072.5	1152.7	226.1	2676.1
1301	3247.4	5127.8	458.4	954.2	2440.2	8109.4	166.4	2487.6	1985.3	34218.6	1791.7	62.2	407.5
5016.2	2602	7070.4	585.2	1087.6	3107.8	7545.9	209.6	4565.2	3846.4	29510.3	1372.1	430.9	721.2
1470.5	2972.3	3895.2	377.3	885.4	1793.8	5108.1	191.4	4472.4	2038.3	32969.3	1350.7	437	148.9

HAGH	MAGED2	NDUFA2	SEMA3F	AHCYL1	BECN1	CCNG2	DCTN4	GLUD2	JMJD2B	MCP	MPDU1	RBBP4	ZNF278
567.8	1348.8	2594.4	1471.1	985.3	679.2	717	295.8	515.4	266.7	600.7	78.1	1000.2	145.1
696.6	2220.5	5186.8	1802.9	547.5	507.5	567.5	154.2	426.1	193.3	561.4	190	877.2	143.5
841.7	1320.1	3275.1	1527	806.9	754.2	1620.3	404.6	639.5	545.8	1190.4	350	842.5	241.3
798.5	2165.4	4052	2051.1	540.7	808	531	293.4	474.9	35.2	880.6	51.7	1408.4	96.2
434.2	1362.5	2179.3	2130.3	699.9	439.5	359.2	257.6	306.5	204.1	1148.6	324	695.7	190.4
565.3	1946.1	2729.9	1335.6	742	686.3	501.8	288.6	434	250.6	734.4	138.6	745	132.6
795.3	2014.4	2752.6	2653.3	667.9	1377	415.3	179.6	451.8	151.7	564.1	47.8	849.8	96.2
582.4	1243	2452	1339.2	916.5	926.3	789.4	400.9	616.2	351.1	2012	446.3	1446.7	278.2
889.9	4038.5	5550.3	2088.2	802	900.3	384.2	457.9	577.6	246.8	902.3	492.8	979.8	169.1
725.3	1730.4	2950	1567.3	895.6	646	710.7	352.7	726.7	112.9	1157	61.9	1205	113.9
1084.9	1437.8	5119.3	1432.6	1092.4	724.8	592	300.7	425	288.3	691.6	41	951.6	86.3
1027.4	2228.4	3375.8	2081.3	1161.5	1009.2	728.9	247.7	500.6	293.7	564.6	387.8	847.8	203.6
544.7	2418.4	2937.8	1780.2	1171.7	1064	1043.4	373.5	617.4	343	1053.9	434.1	1507.9	229.2
693.1	1087.8	3367	1472.1	910.1	744.8	814.9	265.9	357.2	346.8	927	180.9	708	175.4
928.1	1692.8	3510.3	2438.9	484.7	596.2	275.3	256.2	491.3	491.8	585.2	72.2	916.5	118.4
648.9	2407.4	2605.5	3727.3	868.7	532.4	326.3	226.3	321.5	418.6	602.7	141.8	798	161.6
606.9	1556	2991.6	1165.2	1196.6	1063.6	1062.9	429.1	476.8	346.7	1237.6	102.2	1027.5	252.3
624.2	1909	3245.3	2495.6	902.5	586.4	572.2	334.2	455.2	414.2	1157.9	424.3	1090.6	190.6
473.5	3588.4	2661.8	1865.5	1280.3	702.6	496.7	189.7	585.6	319.1	468.4	52.2	721.3	106.5
1095.9	1834.1	4577.7	1360.4	898	724.5	361.9	200.3	521.4	579.8	457.5	35.6	490	158
472.5	1334.4	2526.6	2061.7	783.7	590.7	819.7	206	587.6	346.4	1094.9	207.5	885.4	118.2
728.8	2072.9	3941.2	1819.8	1052.5	947.1	1273.8	465.3	598.5	243.4	1191.5	303.4	1619.4	167.7
547.4	1517.9	2950.4	2569.7	1428.3	853.1	538.5	297.1	446.6	140.1	676.4	290.7	956.2	164.6
707.3	1987	3935	1696.7	650.9	1073.1	1080.6	216.9	460.2	46.9	652.9	213.4	1146.6	95.6
916.1	3373.8	5610.4	5896.8	721.8	653.5	183.9	210.1	251.1	355.2	530.7	170.2	792	133.4
1403.4	2182.9	5300.2	1213.5	891.3	1124.2	490.4	277.3	473.5	304.3	835.3	219.9	890.2	73.3
797.2	3273.4	4608.7	1588.7	687.2	1794.8	734.8	235.9	607.4	245.2	487.9	20.5	719.1	122.4
1005	2518.7	4881.6	950.8	730.7	573.5	485.8	257.6	488.1	97.3	352.8	54.1	811	117.9
554.3	1657.2	2340.5	1825	1120.9	925.2	869.6	408.8	701.6	447.1	1466.7	55.2	1582.7	330.8
558.5	1841.4	2971.5	1866	736.2	549.2	646	302.9	537.2	63.4	441.9	67.2	882.8	130.2
609.2	1299.4	2439.2	1067.4	1067.2	1055	934.5	421.2	638.9	287.4	1535.1	193.8	1330.5	252.1
555.6	3778.9	3025.4	1322.8	1167.1	828.1	906.1	461.1	886.4	516.9	1083.2	430.2	1126.2	220
665.6	1945.1	2409.4	1737.6	851.9	1055.1	1237.9	426.6	744.9	540.4	1777.7	325.8	1538	235.7
994.5	2549.2	3419.3	1287.6	456.2	361.7	229.6	181.2	313.7	223.4	356	22.3	434.4	65.1
721.5	3156.8	3499.3	2116.5	484.9	1056.4	490.9	128.8	359.6	304.4	486.6	39.6	632.2	95.7
756	1909.4	3339.2	2100.2	782	952.8	533.5	282.3	631.1	301.6	1116.7	50.1	1204	124.5
609.2	3721.1	4286	1439.7	998.4	1167	1736.5	547	1095.6	570.3	1948.7	707.4	1649.1	278.8
696.2	3665.1	2867.3	2351	998.7	818.9	790	505.8	459	168.7	963.9	54.2	1063.8	197
634.8	2855.1	3859.7	1831.9	814.5	732	573.4	291.7	405.7	196.6	364.4	50	567.1	105.6

739.4	2840.9	4050.1	1059.8	973.9	799.2	404.7	381.1	460	237.6	989.5	60.1	852.7	140.2
579.2	3167.8	4402.5	3066.7	1180.4	814.5	257.9	194.8	252.7	298.4	479.9	43.8	675.2	123.5
1081.5	2279.2	4354	3168.9	661.7	705.3	996.3	376.8	669.6	137	676.4	48.4	834.4	145.4
526.2	1602.1	2164.7	1801.3	674.3	841	1098	376.9	492.6	171.8	1219.3	170.8	866.3	226
575.4	1750.4	2424.1	1169.6	752.6	770	658.5	164	433.3	196.8	1368.7	265.2	897.1	192.4
866.7	1760.1	2376.6	1516	1205.8	1605.9	1894.3	529.7	1099.5	694.6	2335.3	1155.2	2093.3	296.6
767.4	1694.8	2517	2454.7	915.5	604.8	511.5	616.6	698.7	308	1988.9	379.3	1139.5	294.6
581.3	2946.6	3234.1	1826.9	1535.6	1082.3	2141.3	796.8	984.4	620	2109.1	840.4	2064.4	384.8
505.7	6039.8	3229.5	693.1	1106.5	1257.8	1378.8	450.7	782.5	843.1	1304.4	596.1	1575.9	186.4
529.5	3029.2	2099.5	2146.3	2001.3	1007.2	1553	448.4	660.8	578.7	2346.8	153.6	1426	331.9
804.7	1639.8	2139	1690.4	1110.8	1119.6	636.8	406.9	589	584.1	1614.5	358.2	1354.1	308.4
640.1	2086.6	3133	1155.4	1054.3	1204	476	376.4	742.8	178.8	1933.4	227.5	1020.8	223.3
550.5	2315.4	3608.7	1678.8	1396.3	1182.8	2273.1	515.9	1005.7	1266.8	1731.9	474.2	1754.1	290.6
707.3	2532.8	3178.8	1350.5	1398.5	1083	1361.9	466.2	822.6	704.7	1737.2	72.7	1775.1	229
944.2	2611.8	2958.2	1901.1	1859	1366.9	543.2	490.9	793.5	559.3	1441	638.4	1908.1	441.3
533.9	2272.4	3152.7	2475.8	1640.3	1047.4	1190	411.5	707.5	384.5	1322.2	517.7	1786.8	267.7
550.1	2030.7	2981	2346.3	1607.9	1101.8	934.8	192.6	522.8	571.8	1255.1	512.6	1458.1	198.2
752.4	2757.2	2864.9	2012.8	610.2	552.4	518.8	400.3	437.4	329	2182.7	221.6	1448	167
658.6	2005.3	3076.5	1287.9	1510.4	687.1	2026.5	798.9	871.3	441.8	1910.6	490.4	1993.5	572.5
1092.8	1138.9	4350.7	1344.7	1703	1667.2	438.4	424.3	737.5	321.6	1158.5	685.7	1290.1	108.1
552	1563.5	3812.9	1327.2	1246.1	1791.5	2644.8	526.8	556.2	388.8	1587.8	213.2	1924.5	278.1
669.8	2621.3	3767.6	2271.9	1038.5	670.4	1763	275.2	707.1	390.7	891.3	63.3	1628.7	275.9
760.4	5600.5	3222.7	2014.9	1416.7	1042.9	770.2	294.8	545.4	439	2531.8	370.1	998	196.1
1002.6	6035	3975.5	2437	1245.6	1108.1	653	400.7	744.6	208.7	1830.8	196.1	2034.4	468.8
1569.5	3536.5	3143	2447.8	839.7	1711.9	1523.4	283	651.8	696.2	1460.8	43.5	1499.9	227.8
707.1	3814.1	3426	2473.8	1203	740.2	593.8	627.4	705.4	550.2	1716	405.7	1753.1	474.8
786	4591.5	5334.4	1158.4	1202.9	1660.3	828.8	267.1	600.8	538.6	1347.6	582.6	1113.1	155.2
917.3	4104.4	4078.7	1610.9	1295	1610.5	1540.3	652.3	1112.4	445.9	2009.8	496.1	2167	378.1
1107.7	3326	3150.6	2586.7	1694.7	1098.8	795.6	418.7	656.1	457.9	1049.2	200.6	1296.9	237.3
998.9	5783.9	4934.1	1827.6	1057.7	784.7	1218.6	457.6	704.2	1152.7	1104.5	72.4	1272.2	191.1
753	2906.5	2096	1516.4	687.8	1124	615.1	346.5	720.2	402.6	1021.1	310.7	1163.4	179.9
908.9	2474	2716.5	2227.3	1507.6	1475	2383.9	958.5	1472.5	1054.1	2318	1173.8	2579.8	505
757	1827.9	3325.6	1985.8	2023	1605.1	1438.3	580.3	838.2	737.7	1605.5	656	2175.9	333.9
987.2	2326.1	4336.7	1772	1847.4	1358.2	1150.4	307.4	465	759.2	859.3	181.3	1352.8	267
941.8	2951.2	2668.4	3658.9	1707.6	1415.3	1350.7	776	912.8	801.2	1719.7	678.4	3133.1	524
911.1	4525.8	4603.7	3090.6	840	1480.1	296.1	777.1	372.6	397.4	2709.3	486.7	1713	244.2
1006	2946	3284.9	1290.7	1395.7	1559	697.3	346.8	890.2	269.8	1178.5	338.4	1150.9	261.8
1168.9	3460.8	3540.8	2358.7	1156.5	2410	1151.5	949	1137.1	1113.5	2663	340.9	3414.9	804.9
1049.6	1846.8	4014.1	1809.4	770.7	625.5	598.8	344.4	661	217.6	799.7	140.2	1061.3	258.1
1261.2	2815.6	3691.5	1332.6	1780.3	1427.8	2293.5	834.5	1429.7	1246.6	4129	1209.8	2211.6	411.2
839.9	6499.7	5072.4	2555	1282.6	505.5	632	273.8	650.6	732.5	1292.3	301	860.3	173.6
793	2642.6	3341.8	1227.2	1109.6	2340	1296.6	845.2	741.4	314.2	1946.2	912.3	2119.2	427.4
903.5	2636.2	2560.8	2662.4	1519.6	1199.4	1057.7	399.9	644.7	528	2075.3	169.5	1459.2	558.1
458.4	3584.5	3249.9	1223.1	1270.7	811.7	2658.1	707.4	756.5	661.6	2727.9	962.9	1517.8	324.4
1227.2	5546	2480.3	1805.8	1164.1	1192.8	1139.1	648.4	1237.4	850.8	1539.3	612.5	1894.1	219.9
1819.2	1283.9	3026.9	3013.6	1284.5	1489.8	803.2	550.3	701.3	174.6	1451.1	379.8	1948.4	288
913	3188.9	3967.6	1765.9	1106.4	1507.7	1051.3	620.6	677.6	569.6	2228	607.7	2166.1	318.4
736	1393.8	3266.5	2031.6	389.2	503.9	276.9	223.8	359.4	139.6	775.1	127.7	792	222.6
939.1	3689.4	2456.3	1828.9	697.9	1134.1	772.1	381	555.3	280.4	631.7	50	1305.5	233.3
1369.1	5543	7260.5	3447.8	885.6	616.8	464.8	473.8	399.1	72.2	1000.2	182.5	1484.9	242.8
1155.1	3079.8	3447.1	2716.5	592.6	530.1	638.7	205.9	261.4	476.7	725.1	77.1	661.1	149.9

1780.6	1956.6	2382.1	2281.5	622.8	693.5	249	111.7	199.6	83.1	331.4	56.5	743.2	100.1
967	3557.9	3021.4	1119.6	670.7	825.9	502.9	335.5	518.5	37.1	419.3	54.2	1165.4	152.2
2275.8	8260.3	7742.4	7005.2	595.8	420	99.3	199.9	237.5	372	167.2	40.8	320.5	67.1
1110.9	1647.7	2826.3	2867.3	582.3	484.2	116.5	148.7	439.5	609.3	335.7	52.1	800.8	168.1
1428.6	3433.5	7222.1	2391.1	428.4	691.8	189	184.8	322.9	195.7	712.9	46.8	588.6	79.4
3627.6	1994.9	6979.4	1694.1	466.9	944.3	280.3	317.5	448.8	32.4	245.9	46.3	503.7	93.3
2361.6	7258.9	5226	2973.4	554.6	862.4	513.3	148.7	301.8	843.5	315.6	40.4	550.4	172.8
965.1	4782.2	4275.1	2637.2	802	1011.5	290.7	331.6	672.8	538.4	891.2	73	786.3	195.6
2227	2604.8	5341.1	3591.1	456.2	422.1	178.4	347.2	270	20.6	568.2	60.3	671.5	173.8
742.9	8229.1	4236.6	2944.3	712.1	1006.4	359.9	303.1	393.9	308.7	741.1	78.7	678.9	204.3
2367.5	8320	5960.2	2497.5	472.7	534.6	330.6	271.3	281	174.7	497.2	57.3	779.7	173
1040	1753.9	2177.9	4536	639.4	529.6	325.8	356.3	476.5	35.1	968.5	61	1149.2	136.4
706.4	4780.6	5101.8	2432.4	971.5	713.9	177.4	420.6	335	129.8	618.4	220.7	1013.3	106
1678.9	1645.4	3360.5	2303.6	672.4	1192.8	311.6	403.3	313.1	104.3	558.9	80.1	940.4	120.2
863.3	3944.6	3096.8	1589.1	1294.1	408.9	206.1	427.9	309.9	511	737.8	238	666.2	120
1763	1812.8	4466.6	5022.6	617.7	1880.5	352.8	142	320.2	270.3	440.5	46.4	456.4	103.7
694.3	3404.3	3590.8	4320.4	916.4	507.7	346.8	202.5	436.9	323.7	821.9	177.6	840.8	236.9
1059.5	2607.3	3526	1485.7	807.9	572.9	600	282.4	676.6	358.6	928.4	70.5	920.9	185.1
730.5	2717	5283.5	2396.2	558.8	300.4	158.9	128	283.3	363.7	371.4	27.4	361.4	93.9
418.9	1513.1	3200	958.8	592.4	411.9	193.8	207.8	301.1	273.1	215	23.7	508.2	146.9
1070.7	1531.2	3760.3	2338.1	363.2	825.7	158.7	130.3	255.7	43.5	340	22.9	282.5	93.9
1189.1	2969.9	4796.6	2225.2	880.3	713.3	295.7	251.8	384.6	398.9	781.8	35.1	407.1	39.8
732.8	1521.9	3834.5	1986.6	705.9	757.5	546	163.6	359.1	357.1	477.4	63.4	792.3	126.7
617.6	1781.7	3687.1	1501.1	703.4	466.6	195.4	165.8	344.6	146.1	353.7	26.1	487.4	68.7
753	4629.2	4694.2	2129.6	670.7	272.8	57.4	131.8	355	107.4	369.8	30.2	456.2	66.5
1096.2	3153.7	4171	2161.8	458.2	475.7	306.8	195	294.6	73.5	248.8	22.6	391.6	173.1
457.6	2914	4875.6	1730.7	960.9	420.2	249.2	181.9	392.9	315	658.5	32.6	639.1	92.9
693.9	2478.6	4328	2869.2	695.5	940.2	191.2	246.9	279.1	436.2	346.7	47.6	621.2	296.5
743.3	1723	4417.4	2349.4	663.2	462.3	323.4	257.9	413.4	313.4	467.7	50.3	623.6	215.3
938.4	2373.3	4044.2	1633.8	938.9	440.7	291.3	316.9	396.1	341.7	779.3	85.4	882.9	214.8
830.2	3802.4	2970.8	2988.8	335	484.3	184.6	204.8	380.4	146.1	489.4	32.3	738.3	177.5
1017.7	8543.1	5483.3	3169.3	850.8	1616.3	548.6	251.3	463.6	190.2	444.1	94.7	801.9	108.5
2003.8	3117.9	4673.1	2674.4	338.7	408.2	230	143.1	186.3	19.2	486	40.7	545.1	145
1144.3	1694.7	5279.8	1096	505.4	640.2	223.6	206	350.4	312.3	427.5	97.1	566.1	122.3
1193.1	2683	6468.3	2601.9	392	398.3	93.8	41.6	317.2	271.7	351.2	55.1	387.2	139.7
468.4	3202.8	3467.6	3172.7	609.3	445.7	654.5	164.8	413.1	280.9	700.1	41.6	826.1	96
1127.3	2734.2	3640	1377	766.7	838.5	188.8	99.8	274.4	156.8	467.4	61.7	436	159.2
722.1	4442.2	4370.1	3593.2	776.1	371.6	198.1	145.4	216.3	219.1	384.9	45.4	684.4	147.5
1424.5	1422.8	3945.8	1474	837.3	534.4	209.2	280.1	282.1	151.6	449.1	38.2	674.9	183.1
520.6	4729.4	3549.6	5738.7	457.6	239.9	160.6	256	182.9	43.6	394.9	45.3	659.1	284.4
788	2384.9	4409.5	1932.6	724	270.7	81.2	177.3	211.5	126.9	260.8	28.2	491.9	132.1
1419.3	2521.4	6251.9	1853.3	259.3	437.1	54.3	150.9	236.5	26.7	250.6	55.9	667.4	190.4
1224.4	2704.5	5000.6	2834.7	710.2	503.8	126.1	215	294.3	347.3	673.4	40.9	315.1	170.4
1187.4	3429	6785.8	1349.4	386.5	200.1	223	160.3	308.7	234	681.2	30.3	240.9	64.6
1001.5	2230.4	3349.2	1621.5	674	984.4	178.2	223.9	403.4	36.4	402.6	37.8	593.7	187.5
886.9	2171.4	5576.6	2018.4	347.1	625.9	117.5	122.9	266.9	253.4	430.3	20.4	363.7	127.3
2071.7	3801.2	7405.4	3191.8	625.7	937.5	237.3	138.6	228.8	27.3	303.7	35.7	403.5	88.5
763.2	7425.2	5892.5	2535.5	1166.9	327	104.1	179.9	412.1	37.4	300.6	24	484	79.4
698.9	1917.8	2519.1	2916.7	376.6	497.9	143.2	129.2	201.1	180.2	320.5	41.6	425.4	113.1
1330.1	2996.4	5437.2	3115.8	610.8	503	113.7	185.4	264.6	38.3	582.2	31.7	466.4	133.1
1031.8	2367.7	6740.7	1438	645.7	315.3	18.3	95.2	186.1	40.5	366.4	31.7	323	108.4

1184.6	3264.1	5669	3454	512.8	359.4	138.2	182.4	142.6	778.6	630.8	44.1	487.1	130.3
931.4	2752	5165.9	5317	696.8	401.1	194.9	140	150.2	320.6	571.3	33.8	503.2	204.4
617.2	3418.1	4188.4	3257.8	594.7	392.8	201.9	224.6	277.8	493.9	1006	27.7	671.5	130.3
829.4	2851.9	4649.4	1614.3	449.6	388	182	188.3	331.8	193.8	400.2	31.1	293.9	149.2
1270.5	1847	6579.2	3127.6	112.8	224.2	152.8	159.9	141.2	17.7	332.9	25.2	464.3	115.6
690.6	1569.1	2815.8	1086.5	792	1137.5	1976.1	631	967.1	390.2	2376.5	536.1	1683.9	332.4
703.9	1358.1	3067.2	1493.9	1217.4	964.1	1113.7	438.2	703	567.9	1929.5	645.1	1112.2	256
691.7	1785.1	3903.5	1619	990.6	848	897.9	496	496.8	264.4	1111.1	118.1	1120	230.8
1297.2	2569.8	3737.4	2019.8	960.3	1718.5	931.9	744.9	863.8	444.3	1359.3	252.1	1729	233.1
976.6	3936.9	1982.9	3561.2	1044.7	547.2	565.9	241.7	391.5	375.8	889.6	257.7	908.3	333.4
934.8	2197.7	3313.6	1544.9	1430.7	1043.9	282.4	484.3	584.8	569.6	1106.5	332.9	1330.6	267.5
1063.2	2083.8	3876.1	3616.6	1214.1	729.6	302	198.1	303.5	575.3	556	327.6	681.5	62.8
749.5	2132.5	4073.8	2360.9	490.8	495.4	202	195.3	655.8	90.7	297.7	25.8	823.4	131.3
671.4	1261.9	5549.7	3956.1	448.2	571.3	362.5	209.6	331.4	211.9	619	82.8	1059.6	263.3
768.9	2691.9	3570.5	2346.8	479	364.2	455.1	344.2	494.1	125.9	398	44.2	606.4	25.8
776.9	2200.4	4829.5	4875.6	276.4	432.2	158.8	250.6	181.5	52.7	553.4	53.9	794.7	133.8
849.8	3206.7	4949	3952.8	870.7	610.8	141.3	237.7	406.6	499.9	729.1	61.4	616.6	138.6
1744.4	2311.1	2950.1	1765.7	694.9	349.5	169.9	191.9	192.1	253.3	476.1	33.4	765.2	178
763.6	2316.4	4249.6	1842	412.1	649.4	299.1	320.5	230	399.6	429.3	39.2	579.7	91.5
1967.6	3811.5	5424.5	2124.7	579.4	676.3	102.7	188.6	291.7	603.8	547.6	25.8	420.1	42
1354.3	2141.7	5163.2	2590.4	737.2	1095.9	257.7	168.4	453.3	197	764.7	128.7	613.9	127.7
637.4	2907.5	4434.3	2690.7	353.1	346.1	111.8	313.5	342.8	62.7	546.9	30.6	540.3	147.1
523.2	1229.2	3144.7	1171.9	448.8	363.3	127.6	211.7	174.8	29.3	374.4	52.5	528.7	127.9
987.3	1434.4	3836.2	1392.3	338.9	297.1	74.6	123.5	274.6	135.9	383.4	89.2	234.4	120.7
630.1	1798.8	2627.2	1449.2	587.5	337.6	164.9	207.5	381.5	94.2	245.3	31.1	506.6	123.1
773.8	1759.4	3111.7	2061.5	843.6	991.8	914.1	459.5	700.7	566.2	1641.7	78.5	1610.9	218.9
798.4	2248.7	3089.7	1476.2	867.7	653.6	635.8	162.3	354.4	47.7	434.3	197	772.5	117
653.6	1949.6	3741.9	2998.9	376.3	250.7	202.2	305	148.7	29.4	363.3	55.7	646.6	138.4
726	3607.3	3687.1	1205.6	842.2	1193.2	2060.6	703.5	705.1	660.9	1819.7	239	1833.1	230.5
886	2454.6	5840	2184.4	1087.5	1263.3	339.6	563.4	983	660.4	1655.2	893.4	2063.3	292.1
396.9	578.6	2838.7	816.4	794.7	1161	500	345.7	730.2	41.1	1128.4	444.9	1781.6	358.8
566.2	1296.1	2982.5	899.2	677.4	911.9	199.6	290	258.4	19.8	548.9	65.9	1103.7	128.7
400.5	547.9	1244.7	741.6	1085.7	885.4	380.4	323.5	672.5	163.8	1536.3	572.6	1957.5	267.1
589.2	721	1835.2	1197.7	765.8	581.6	244.1	204	460.7	40.1	911.1	60.3	1012.9	141.5
621.1	1065.4	2921	540.6	441.7	473	133.4	139.7	410.3	158.8	580.8	92.3	727.9	52.5
672.9	2411.1	2245.4	1279.7	528.2	579	123	163.1	393.2	129.6	254.6	40.4	662.6	123.5
391.7	857.7	1694.6	911.7	482	373.1	404.8	193.1	291.5	15.2	389.9	29.3	529.7	85
714.4	586.1	1854.5	1393.7	1012.1	739	226.7	138.6	360.7	111.2	1101.4	151.5	844.1	149.8
430.9	1039.9	1519.6	633.7	689.7	662.5	435.2	231.6	404.9	166	872.3	184.9	1037.8	136.6
242.9	861.3	1768.6	1239.4	1110.3	471.7	187.7	156.5	268.8	248.8	293.1	260.2	1841	174.5
681.5	1328.6	1563.1	1606.9	950.8	450.2	248	232.7	255.5	80.7	1196.4	40.7	695.3	129.7
510	1485.1	1939.7	784.8	661.6	371.8	67.3	226.6	356.5	211.3	437.6	42.4	585.1	6.7
435.7	2007.2	2153.6	1625.1	409.4	374.1	145.5	150.4	263.1	166.1	453.3	43.5	491.7	66.9
575.3	1559.8	1425.6	886.6	601.1	637	306.9	206.9	340.8	45.2	613	56.7	1112.8	77.4
666.3	506	2529.1	869.4	551.8	686.2	329.5	194.4	368.5	38.9	490.4	59.6	1217.7	132.9
380	758.4	1797.2	1123.8	613.4	457.3	314.5	373.8	209.5	17.7	513.5	70.2	980.8	185
397.8	1213.1	5394.3	819.9	741.9	418.2	141.7	101.7	194.2	56.5	377.7	46.1	543.4	149.2
722.4	1611.1	1415.3	927.7	371.3	559.3	115	123.8	549.2	38.4	357.1	35.3	564.1	136.4
555.8	1388.4	2044	774.3	892.3	646.2	340.6	231	349.8	182.8	406.3	200.3	1189.3	102.3
343.8	1106.6	2094.8	1087.3	959.4	330.9	446.7	221.6	343.9	33.9	1144.3	144.8	1263.5	264.2
591.8	2060.5	3455.3	964.7	353.6	401.8	171.8	129.5	379.5	30.1	382.2	42.8	1088.1	171.2

499	1471.1	1699.9	1571.3	531.4	353.1	293.6	197	355.4	104.4	372.5	52.2	750.4	124
760	1055.8	1941.7	1947.2	530.3	316.1	76.6	238	271.8	64.6	531.1	32.4	827.8	117.8
536.2	1302.8	2911.7	2413.2	535.9	255.8	24.2	212.2	132	25.3	798.4	60.2	617.2	234.7
505.8	1273.8	2391.5	1449.4	610	419.4	168.1	116.4	276.4	37.6	268.1	53.9	652.3	137.3
597.9	1156.4	2506.9	1250.7	349.2	257.8	103.7	141.4	218.7	17	317.3	45.4	695.5	85.7
579.8	1127.3	1309	1795	377.8	375.6	119.1	148	92.5	102.2	459	49.6	818.2	27.3
482.4	1281.3	2894.7	1987.6	604.6	654.9	321.3	264.7	261	38.3	303.9	45.7	705.9	128.3
643.2	1553.5	1976	979.3	577.3	722.3	191.1	163.5	287.1	84.3	725.4	52.6	1111.9	184.1
372.2	949.2	1445.1	1000.6	755.4	404.2	259.1	172.9	369	53.4	418.5	46.6	614.5	95.1
548.7	1723.5	1526.5	1266.1	651.7	660.4	296.2	187.2	416.6	191.9	881.7	66.1	1008.3	163.2
631.7	1225.3	3146.2	1358	401	526.1	137.5	145.7	271.2	101.2	316.6	31.3	498	128.3
600.8	1734.4	2269.9	2467.1	328	469.1	115.7	238.4	127.9	48.6	424.2	41.1	610.4	182.2
419.8	749.1	1808.4	998.1	681	604.4	531.9	383.9	525	102.4	916.8	304.1	2890.3	258.2
295.7	1356.6	1656.5	942.1	1068.7	668.1	443.5	277.6	312.6	25	498.2	85.8	1014.2	163.8
615.1	1486.1	1556.3	1786.1	633	595.7	636.7	281.7	290	238.4	1202.9	82.8	1315.5	185.8
800.3	1975.9	2685.8	1561.7	662.1	426.6	16	228.5	330.4	63.8	499	51.7	437.7	150.3
312.1	1129.7	2968.5	1728.7	470.4	387.6	132.2	261.7	254.3	34.8	261.9	135.1	488.9	142.9
753.3	952.4	1435.5	803.9	1172.6	876.7	410.9	255.8	370.4	202.1	802.3	64.1	1966.3	69.7
462	745.1	2168.6	979.6	899.2	674	391.9	306.2	593.5	67.1	989	359.3	1393.2	175.8
486.7	1293.2	2183.2	879.6	774.8	740	509.3	413.7	484.5	206.1	1123.5	320.7	1341.7	172.1
400.2	856.3	4070.7	798.2	442	714	315.5	239.1	457.6	65.7	466.2	50.5	646.8	84.7
516	1108.3	1675.8	2074.5	1047.7	994.3	669.2	499.6	773	60.3	1793.6	90.3	3058.5	382.9
515.3	1325	2176.5	999.4	492.7	626	375.8	197.4	253.2	375.2	310	74.1	914	175.2
580.1	969.4	2368.3	563.7	600	692.3	266.2	186.5	239.9	324.9	228.6	49	695.4	153.5
805.7	1246.3	2998.4	1351.6	649.4	576.4	407	321.5	469.9	218.7	815.8	67.1	981.3	161.2
420.4	1129.2	1763.3	1392.3	802.4	364.7	275.3	184.4	238.1	43	556.6	56.1	756.8	100.2
626.9	1353	2242.6	1213.7	927.1	604.1	618.2	296.9	423	35.2	979.5	53.8	1463.1	205.3
472.3	1038.7	2992.5	1275.6	485.5	403.5	292.7	155.4	371.8	25.2	418.9	40.7	694.5	73.6
1241.2	701.8	2578.5	1177.2	809	926.3	401.1	303.5	355	139.5	391	26.5	590.3	130.7
376.2	1492.3	2728.3	1109.9	471.4	1071.2	341.9	261.2	251.5	31.5	343.7	51.9	826.1	209.5
595.3	1575.6	2341.8	1178.7	561.5	764.8	296.5	273.9	557.4	215.6	571.8	69	841.4	173.5
462.8	1620.3	3199.9	1098.9	1105.2	387.2	361	311	390.7	72.3	630.3	169.8	1028.7	149.5
251.2	1268.3	1752.5	814.6	1086.4	886.3	91	136.2	336.2	220	393.7	53.2	1070.2	139.3
560	1132	4721.4	881.3	480.9	122.2	23.2	125.5	78.5	245.6	234.5	35.2	401	120.7
420.7	1025.6	1926.6	1505.9	593.9	612.8	256.4	261.1	340.4	26.9	674.2	68.7	1426	132.8
495.5	1050.8	2502.5	1004	510.2	491.3	312.7	149	448.2	21.4	512.6	35.2	909.4	143.9
648.7	992	2551.9	1234.8	373.1	427.6	300.4	302.2	436.8	27	647.5	31.7	967	124.1
1029.7	2072.1	3377.1	2462.4	498.1	427.1	105.7	189.2	212.2	54.1	358.7	56.6	344.7	26.2
451.1	1181.7	2287.8	969.7	841.6	969	535.6	211.4	621.7	216	864.5	251.6	1099.3	283.6
385.2	1699.5	2205.1	891.4	390.2	523.7	189.6	178.2	539.3	77.8	292.2	54	727.1	145.6
1449.5	1452.4	2481.2	1325.3	347.3	452.9	153	231.1	216.2	53	217.6	32	468	140.5
710	1661.1	2776.1	3332.9	588.3	780.9	375	447.9	448.8	246.8	846	49	1372.5	229.3
667.9	3345.3	2251.5	1011.3	525.8	980.2	1139.7	296.9	743.5	132.7	1089.8	165.2	1368.7	225.2
678.6	900.9	2875	2810.2	821.4	404	608.3	400.4	381.4	197.2	1174.2	118.2	1488.1	231.1
607.6	3036.4	3045.7	2035.9	829.2	348.2	298	221.1	342.7	95.5	715.2	55.9	950.2	118.8
384.3	1389.3	1907.6	864.7	595.2	632.5	602.8	318.6	549	52.6	968.6	171.8	1199.4	280.2
788.6	2273.5	3853.9	2468.3	424.5	324.7	356.2	217	447.7	152.1	402.8	165.9	695	79.5
546.4	1179.2	2202.3	1026.2	792	525.4	811	421.2	581.8	249.4	1340.1	131.1	1209.9	137.3
585.7	1590.1	2883.6	1098	547.9	527.7	528.5	214.2	501.9	55.9	825.7	37	822.5	130.8
769.9	2722.3	4124.2	2292.4	702.1	448.4	507.6	275.4	485.1	350.5	439.9	54.2	823.2	186.3
725.1	1697.4	4732.8	1674.9	666.2	414.2	346.3	245.4	317.2	33.2	428.1	46.7	547.6	86.8

651.1	2528.6	2636.6	1249.8	623.2	722.3	674	191.9	501.7	150.3	1250.3	105.2	1043.2	90.1
686	1514.4	3387	2366	812.3	531.2	585.8	267.8	427.8	195.4	530.2	257.9	1091.3	212
562.5	1054.6	3367.2	1044.4	325.5	344.9	178.9	222.4	283.1	43.1	363.1	45.9	598.9	68.2
554	1414.2	2264.3	1706.5	459	564.5	389.4	247.2	333.2	36	421.3	53.3	967.2	230.5
675.2	1799	3720.3	2832.3	715.9	606.2	371	304.3	393.5	288.8	469	63	834.5	192.3
684.2	1894.8	2777.7	1142.6	452.3	658.8	515.6	292.4	437	126.5	632.1	199.8	1039.6	194.9
644.9	1669.8	4035.3	2410.2	684.8	396.5	125.8	156.6	204.4	64.8	340.2	259.1	610.9	95.1
455.9	1085.4	3755.1	3315	1087.5	612.5	465.2	228.9	334.8	112.3	490.5	43	474.2	156.8
798	1707.2	3384.1	1688.4	491.9	497.1	166.5	232.1	275.2	44	682.4	47.8	716.9	127.9
780.3	1842.1	2835.3	1692.1	745.2	830.5	772.5	127.2	638.3	74.1	1200.7	262.1	1165.2	220.5
829.2	2418.9	3351.5	5597.6	805.1	275.7	226.9	210.4	190.6	242.8	622.1	49.2	607.4	198.5
420	1390.2	2803.2	2071.9	498.3	512.8	273	212.2	329.6	113.7	673.3	71.1	1029.4	175
384.9	1384.9	3455.7	1459.7	1134.6	630.5	694.5	268.2	593.4	272	1280.8	188.6	1303.9	285.7
450	2606.5	2912	800.5	617.1	581.5	839.7	389.9	534	32.4	909	231.7	1415.7	140.5
1075.2	1982.4	2057.7	793.7	420	499.9	124	170.8	369.1	159.1	746	41	611.7	97.3
523.9	1100.4	3125.8	1143.6	892.6	900.3	1723.3	238.3	471.6	219.9	1005.6	186.2	631.8	83.3
466.1	1862.5	3462.4	1981.4	394.7	461.1	828.3	399.9	438.2	71.9	1428.3	41.9	725.3	85.9
593.6	2862.9	4540.9	4100.8	706.3	349.5	198.5	217.2	255.7	77.6	498.7	49.9	576.5	98.6
486.3	2056.8	2964.6	1061.2	473.1	458.6	259.8	218.3	324.5	94	612.7	210.5	603.8	65.7
748.1	1073.2	2756.8	1630.7	794	905.6	1077.5	483.8	586	127.5	1746.5	322.5	1225.7	373.9
636.5	1815.8	2747.1	3938.8	320.7	373.7	421.8	216.4	317.5	112.5	593.1	45	590.3	100.3
1023.1	5332.4	3052.5	4117.8	922.8	610.6	1102.9	507.2	886	787	1829.8	64	1434.6	163.8
416.9	858.9	1765	825.5	645.8	710.4	1032	382.4	511	35.2	1046.2	94.6	1102.2	204.7
482.2	1837.2	2630	1658.8	495	263	238.3	171.1	212.4	61	574.4	30.8	413.6	72.4
621.9	1779.8	4074.7	1320.4	1006.8	376.7	579.9	223.3	262.6	185.6	522.7	66.2	783.5	164
526.1	1492.2	2188.6	1214.6	1346.4	624.3	347.3	239.5	391.4	144.3	1316.4	45.5	1059.8	194.2
804.2	2715.4	3473.4	1130.2	645	505.8	296	179.3	539.2	48	1395.5	346.2	1129.5	100.3
645.2	3270.2	2619.8	3270.1	697.6	512.2	640.9	307.2	367.7	121.1	1070.7	90.8	1212.1	214.1
907.1	6929.1	6789.3	3131.9	194.5	110.9	10.2	205	242.8	176.2	309.1	35.2	583.2	62.9
353.4	4615	2819.3	1271.4	685.3	745.6	1429.5	698	620.8	330.3	1521.8	577.6	2387.8	358
644.7	4088.5	4188.9	5256.3	880.7	551.1	240.8	331.8	270	249.3	800.5	55.3	855.9	240.4
1204.1	3361.7	4804.2	2560	2016.5	922.6	38.6	151.9	192.8	263.3	394.2	35.8	495.9	177.5
755.5	2153.8	3987.6	2557.7	372.5	317.8	232.9	145.6	326.3	117.2	425.6	38.6	421.1	89.9
618.1	4655.6	3677.4	3808.7	262.9	338.8	195.6	200.6	279.9	57.8	438.2	24.4	429	186.8
503.4	2493.9	2218.3	1447.8	1015.3	675.8	729.5	300.9	539.8	187.9	924.1	46	1023.4	148.3
753.8	1837.4	4004.6	2024.4	469.7	215.6	138.4	223.1	257.4	58.7	425.3	33.1	547.6	137.5
541.2	1677.9	2548	1394.6	869.7	600.9	203.8	239	426	43.6	709.2	199	753	104.2
610.3	1202.2	5573.4	1948.9	244.5	350.1	394.9	189.4	394.9	75.1	630.7	40.4	465.6	39.1
599	4285.6	4187.6	1142.5	1244.5	678.2	1126.5	439.1	579.9	73.6	992.7	388.8	1908.8	227.7
1021.8	4497.6	3866	2910.5	325.7	617.5	130.1	168.2	201.4	22.4	391.9	44.1	544.9	69.9
913.9	1744.7	3674.6	2289.1	681.7	480.3	737.4	359.5	380.1	149.2	410.3	35.4	815.5	98.1
1116.1	3717.8	3479.8	3510.8	302.7	351	417.3	195.5	416.4	187.6	644.6	145.6	527.9	65
608.1	2854.1	6792.5	2118.9	626.4	479.8	500.7	244.7	401.2	157.7	524.8	48.7	873.8	214.9

BAIAP3	C16orf53	E2F1	HAGH	HSPB1	NIBP	PGS1	SS18L1	TPD52	TUBG1	SEP2	FBXL5	GNS	ITGB5
208.2	640.1	56.3	567.8	5191.7	959.4	472	602.7	3259.7	535.4	6826.6	394.4	1682.5	3407.3
342	831.2	63.1	696.6	2951.9	1148.3	359.6	486.5	3012.2	364.8	6753.7	607.4	1610.1	3861.4
249.8	668.2	57.4	841.7	7012	827.5	505.4	454.3	1928.3	481.1	5249.7	555.3	1790.7	3158
381.1	939.5	249.7	798.5	13862.6	1109.6	480.4	968.8	3903.3	644.4	7818.9	395.2	1415.1	3259.1
435.3	788.2	98.9	434.2	7480.1	930.6	442.7	1352.4	6928.1	539.2	5861.7	764.2	2765.7	3189.7
164.7	632.4	23.1	565.3	3803.3	727.6	721.2	609.2	2591	505.7	7222.7	1019.6	3484.2	3944.6
690.2	812.4	116	795.3	20419.7	1119.6	687.3	1216	3218.7	915.3	6116.8	457.3	2401.3	2403
259.5	721.6	42.7	582.4	4994.8	1080.9	392.7	292.8	1852.1	452.4	6023.7	623.3	1435.7	3094.6
323.4	701	107	889.9	15113	896.5	471.6	807.2	5042.6	767.5	7209.6	470.9	2574.7	2810.6
379.6	816.4	92.4	725.3	3914.4	986.9	320.7	527.4	3199.2	553.4	8355.6	618.8	1812.9	3567.9
202.3	944.7	40.1	1084.9	7106.2	723.8	571.7	537.6	7253.5	748.5	9406.9	960.6	2943.4	3523.4
314.3	875.4	74	1027.4	7850.4	966.5	571.4	411.1	3244.5	879.4	6830.6	819.8	1841.9	5576.3
352.3	1041.3	34.5	544.7	7776.9	1051.9	300.8	250	4256.7	592.7	7165.1	555.8	2494.4	2283.2
178.2	687.8	53.6	693.1	4172.2	963.2	525.9	365.6	3968	380.1	6829.3	732.6	1898.3	4187.7
446.7	698.8	122.7	928.1	10837.7	1531.3	625.8	387.2	3193.1	535.8	4699.7	423.9	1329.6	2675.2
349.8	1066.5	57	648.9	23218.8	906.6	423.1	685.8	3082.5	638.5	6077.9	722	2277.2	5295.7
206.1	622.5	54.7	606.9	3427.8	741.9	379.8	434.4	3776.4	516.6	6675.7	437.6	2030.6	4746.1
340.7	665.8	145.9	624.2	8843.5	1165.8	365.8	416.8	3273.2	886.2	5112.3	558.4	2459.8	3985.4
168.8	887.9	86.9	473.5	10031.6	932.5	437.2	485.8	3948.7	590.8	5242.2	392.3	2613.6	3070.6
359.3	1017.2	40.4	1095.9	9096.9	787.3	534.4	472.6	3608.5	591.7	6645.4	779.5	2076.1	4325.3
182.6	562.8	79	472.5	4929.6	825.1	442.1	485.5	3982	567.1	7595.3	777.4	1764.2	5785.9
311.8	774.5	71.7	728.8	18271.6	1055.3	313.7	505.8	4637.5	1066.6	6616.3	530.2	2795.8	2791.2
213.9	1034.5	43	547.4	15813.8	853.8	267.7	357.9	4247	594.4	7383.7	639.8	2619.3	7268.5
457.4	743	52.6	707.3	4402.8	972	490.7	357	3593	516.6	7271.9	667	1739.8	3976.5
312.3	760.2	152.9	916.1	7454.3	1064.3	574.9	536.7	4098	987.6	6734.3	645.7	2375.1	3933.8
440.7	1328.4	184.9	1403.4	7178.9	719.4	726.1	320.5	4625.7	1281.8	9915.6	967.6	1942.4	3274.2
228.7	1004.8	87	797.2	10645.4	876.7	569.7	622.1	11317.3	902.2	5821.2	874.7	2599.2	4065.4
187.3	695.1	50.5	1005	10162.9	1054.3	701.5	886	7685.3	599.5	6992.4	533.9	3548.1	3685.8
235.7	553.3	55.4	554.3	2399.4	1089.8	577.1	821.3	3208.2	358.2	4730.2	501	1345.7	2254
166.7	604.9	82.2	558.5	5198.9	1078.3	451.8	431.7	2198	423.6	7326	748.9	3211.7	3651.4
25.2	649	59.5	609.2	3916.6	1082.5	546.8	526.9	1724.5	461.4	6700.3	813.6	1915.4	4925.3
145.6	869.2	206.4	555.6	8592.9	1049.7	415.2	504.1	5316.4	930.8	5617.4	833.6	3802.1	5431.1
384	895.5	75.8	665.6	8269.1	1117.1	487.9	660.6	4470.8	845.9	4082.7	970.5	2011	4152.5
382.5	861	162.7	994.5	8607.2	1015.3	648.8	592.7	4597.5	504.7	6284.9	885.8	2991.1	4411.9
312.5	703.4	45.5	721.5	7077.6	1798.2	640.9	718.7	9279.3	650.8	7322.4	528.1	3059.4	3307.3
379.8	1035.7	73.3	756	9538.9	1059	460.5	317.7	2587.7	688.4	6740.9	422.9	1490.3	3302.9
84.2	716.6	124.8	609.2	10168.6	861.3	470.5	643.6	4355.1	507.4	5974.5	638.6	1271.9	4148.9
324.6	620.9	107.5	696.2	14864.8	1095.5	488.7	625.1	8067.8	587	9679.8	689.1	1128.5	1896.4
233.7	628.4	30.8	634.8	6301.4	775	503.9	535.5	3856	505.5	8680.7	542.2	1929.1	4416.8

400.3	644.3	39.2	739.4	19653	1221.7	740.7	1036.5	3370.7	419.7	5109.3	523.5	1025.6	2482.4
288.5	663.8	63.5	579.2	17091.6	674.6	442.4	507.9	5293.9	565.5	8504.7	1393.5	2619.2	4134.1
307.7	858.2	60.3	1081.5	3700.7	1110.5	382.8	587.4	7624.8	675.2	7045.1	1177.2	2374.7	5896.2
691.9	639.7	210.8	526.2	14738.4	1545.6	534	1009.8	9955.3	437.4	7158.3	622.8	2180.3	4419.9
439.6	678.4	217.7	575.4	11539.3	2131.8	262.5	484.1	5495.4	532.8	5160.8	448.8	1676.9	1447.8
344.7	777.6	141	866.7	5385.1	1149.3	329.3	307.5	2491.1	805.7	4784.1	489.7	993.2	3847.8
196.2	904.3	69	767.4	2712.3	745.2	246.4	871.3	2389.6	290.6	8939.9	497.5	1414.6	2781.8
41.6	524.7	71.9	581.3	3227.6	1047.8	203.4	375.6	5610.7	697.4	5763.3	621.2	1461.7	4330.8
111.8	722.5	80	505.7	8780.5	1019.6	369.6	516	7565.4	592.4	6523	776.8	2573.2	4638.8
404.7	770.5	48.6	529.5	13085.9	1174.4	505.8	587.5	3978.4	401.3	6759.8	558.2	1863.2	4021.6
662.7	991.1	130.1	804.7	18590.9	1598.7	289.1	580.6	7171.7	812.5	6037.1	303.8	1188	3886.2
220.5	741.7	66.5	640.1	3907.3	876.5	409.6	580.3	3206.5	476.1	5062.5	500.3	1824	1105.3
111.1	818.8	54.5	550.5	4844	869.6	547.2	366.9	4058.5	750.7	5184.8	535.5	1580.7	3307.8
749.8	613.4	226.5	707.3	13511.3	1167.8	321.7	673	3117.4	634.6	4886	335.6	888.7	3452.8
340.6	736.7	63.5	944.2	4184.1	964	349.9	553.8	4165.8	801.6	5587.9	1159.8	2398.8	1721.9
75.1	789.6	69.4	533.9	4802.6	916.4	246.3	666	6301.1	679.7	6952.9	443.9	1262.4	3524.1
329.6	584.7	44.1	550.1	9595.2	986.2	559.2	660.3	5163.7	660.3	5783.3	591	1893.4	2671.1
76.1	652.3	132.3	752.4	8681.6	1290.5	355.1	605.9	4942.1	314.2	8045.3	506.2	1151.7	5380.9
88.7	862.8	81.8	658.6	5464.3	1562.8	480.2	616.9	10005.5	377.1	5418.7	274	1116	4202.7
590.9	837.6	124.5	1092.8	4963.6	1160.8	412.5	447.1	5719.6	442	4640.8	908.4	1912.7	3317.1
131.3	981.6	57.4	552	9943.7	815.8	377.8	554.4	3378.7	852.9	7948.2	669.7	1246.2	1962.2
604.4	796.6	75	669.8	6817	1085.8	550.2	678.6	9926	487.3	4581.7	384.9	1496	2465.4
320.2	664.9	70	760.4	8307	835.7	457.3	814	9864.3	912.3	4468.6	577.5	2648.9	3299.9
485.2	1198.3	123.7	1002.6	18856.4	1301.3	467.2	327.3	2648.4	1225.6	4374.9	442	1839.9	3297.3
454	1958.9	83.3	1569.5	29107.3	1672	657.3	552.8	5353.6	1790.3	3942.7	278.9	1251.9	3057.7
184.7	929.8	107.5	707.1	10989.8	1520.8	431.4	569.9	3112.9	529.3	2948.6	359.8	1603.4	2469.5
319	601.9	158.4	786	27377.2	1113.7	334.7	434.8	12914	1241.6	4803.7	721.5	1620.5	1811.8
820	1546.2	231.4	917.3	10391.2	1462.7	287.3	507	9280.2	1380.8	3968.4	336.4	1215	1609.3
263.9	1086.3	233.8	1107.7	11071.2	1116.9	598.7	584.3	6381.7	827.1	7957.3	477.1	1700	3359.7
406.4	1047.9	323.8	998.9	9729.6	1203.4	417.7	516.6	2958.9	874.6	6226.2	447	1602.5	3018.9
618.8	899.5	78.9	753	11317.5	1225.1	409.5	482.5	5278.8	944.1	4982.7	410.9	1678.3	2312.7
185.6	1044.4	95.1	908.9	2051	1201.4	300.3	269.3	4445.7	1157.4	6743.2	541.2	1065.6	3858.6
263.3	723.8	67.4	757	5224.1	902.4	506.4	428.2	4408.7	919.1	5978.6	688.2	2125.5	2123.7
242	1368.8	48.3	987.2	7383.2	1467.9	516.3	406.5	5362.1	564.7	6227.5	573.6	1711.1	3239
685.6	674.6	139.8	941.8	7631.9	1297.3	853.4	585.1	2148.2	879	5756	848.1	1690	7554.8
621.6	1093.9	415.7	911.1	21116.6	858.3	730.9	735	2572.1	1669	6352.1	463.6	2984.8	2372.8
477.9	797.3	43.5	1006	4453.9	951	396	341.9	4756.1	635	4430.9	653.2	1761.7	4223.6
483.1	1211.7	373.7	1168.9	3275.6	1556.2	433.1	469.2	5117.6	1148.5	2024.6	667	1013.7	3404.4
239.7	1517.9	121.5	1049.6	9006.1	1128.4	866.8	1362.9	8060.2	556.2	4413.7	587.5	2156.8	5329.1
224.5	943.9	219.6	1261.2	806	1003.7	217.7	503.2	7061.9	705.9	5789	387	1200.9	2807.1
628	1221.6	82.1	839.9	37431.9	1157.7	598.9	585.1	10890.4	635.6	4377	823.3	1880.2	1707.3
1091.8	1610.9	181.1	793	24682.3	1180.5	383.1	803.3	2088.9	927.9	4346.6	560.1	1340.4	2315.7
635.6	1653.3	154.8	903.5	11305.8	1181.2	569.9	642.9	2713	710	6159.4	476.4	1089.1	2961.8
344.6	678.8	131.2	458.4	5065.9	1107.8	248.3	436.4	6227.1	421.4	7064.8	398.8	1701.9	2625.6
937.2	2521.9	205.8	1227.2	14116.6	1263.8	572.3	441.4	12233.2	687.9	5777.4	608.4	1647.1	1356.6
622.1	1524.9	340	1819.2	29829.7	1515.3	768.8	694.7	8519.9	1813.9	5507.8	487.1	2239.8	1234.3
413.2	1118.3	143.7	913	12462.4	867.1	707.9	692.7	5780.4	527.5	4803	417.2	2001	3082.3
768.4	1229.6	317.4	736	5824.8	1222.9	278	1308.4	3781.1	1107.8	4334.5	532.8	1792.8	4005.8
336.6	481.9	146	939.1	12945.6	1302.3	1113.6	595.7	5279.5	402.7	6258.4	597.6	1288.1	2240.8
683.1	977.5	357	1369.1	22462.9	1906.6	536.5	1258.4	8589.2	1030.6	4960.7	757.9	2968.1	2168.3
719.4	1249.7	392.4	1155.1	11565.1	1247.3	678.4	882.5	6327.1	548.6	7559.4	724	1551.2	1788.7

436.3	1374.9	219.8	1780.6	15896	1219.3	1288.7	1174	8916.7	664.8	5926.2	782.1	2111.7	2628.3
733.9	1023.6	469.9	967	31558.6	2054.7	1149.6	801.4	10486.5	1269.4	7522.3	489.9	1834.8	2730.9
612.5	1873.2	873.4	2275.8	26565.5	1850.2	1128.4	1527.5	5979.5	801.8	5700.7	1805.3	3447.3	3268.6
323.2	1245.1	375.3	1110.9	12857.2	1751.5	290.4	586.3	7475.8	789.4	3930.3	523.6	2026.6	3798.8
441.5	741.4	228.7	1428.6	27098.8	1988.5	1186.1	548.3	2324.7	1696.9	4990.4	732.4	2562.3	4212.8
309.3	1357.4	810.8	3627.6	31293.1	3341.3	1268	882.6	19476.6	3007.5	9148.6	1350.3	2897.5	1352.4
384.6	1827.2	285.9	2361.6	10449.7	1615.6	1096.1	658.9	6969.9	1044.2	7561	692	3127.1	6276
824.2	850.4	87.7	965.1	29680.3	2509.4	681.5	819.9	12694.3	965.4	5936.6	680.1	2508.1	2337
620.3	1938.8	633.9	2227	21983.9	2196.3	1739.9	2865.6	21121.8	1673.9	5494.1	552.9	1976.2	2698.9
1175.7	1645.4	193.1	742.9	24563.7	1295.1	520.9	1282.8	6714.1	773.2	5631	653.4	2057.4	4012.5
425.5	1410.2	396.4	2367.5	9034.5	1457.9	740.9	1011.8	10381.2	1231.2	5856.7	476.8	3504.3	2994
501.4	1042.4	287.8	1040	4515.5	1459.2	1206.7	1286.2	7684.8	755.5	5418.5	274.1	3036.3	1375.5
376.2	1125.9	265.2	706.4	10305.4	2115.2	450.3	1046	25532.3	1233.5	7562	381.7	2618.5	2157.7
660.2	886	243.6	1678.9	11048.4	1311.9	752.4	661.1	11703.8	2110.7	5742.2	646.7	2298.2	1233.1
683.9	1562.5	313.9	863.3	29503	1044.7	379.1	1423.7	4495.1	716	10140.4	549.2	2367.6	1436
195.7	2028	95.7	1763	9260.8	923.1	656.4	706.5	9519.6	1243.7	9447.9	738.1	1924.4	3478.7
699.1	1476.5	103.7	694.3	18152.9	1550.6	504.7	496.8	3511.6	694.8	6117.8	451.5	2206.8	4612.6
354	1173.1	79.8	1059.5	8500.6	1161.1	514.5	514.5	3719.9	759	5689.3	1015.5	2591.2	1901.5
259.1	823.2	54.2	730.5	3341.6	842.8	675.7	555.7	4848.8	555.5	9422.8	1213.9	3813.3	6679.4
278.6	761.1	48.6	418.9	4808.1	804.3	788.7	383.6	3372.1	537.9	8171.3	589.7	2532.4	3348.4
361.9	963.2	220.3	1070.7	5910.4	1125.9	597.1	629.5	8617.1	833	7868.5	919	3952.9	2549.5
445.8	847.6	28.5	1189.1	8025.7	852.1	547.6	383.7	3737.4	566.8	10112.8	788.3	2687.8	3939
56.3	764.7	27.6	732.8	9383.3	937	227.7	557.7	5884.6	410.1	6702.4	454.8	1567	3840.2
202.6	811.1	24.5	617.6	4470.5	653	476.8	787	6305.6	287.3	8993.2	1132.6	3254.7	3957.9
345.7	1549	172.6	753	12016.8	1113.1	693.8	1181.2	5823.1	375.6	7521.5	986.2	3202.4	6596.5
505	1259.3	58.5	1096.2	10664.2	1676.2	587.7	792	8773.4	604.8	9400.9	1348	2886.5	4409.9
171.4	680.1	48.6	457.6	3673.8	979.8	631.6	745.1	12594.7	253	8361.4	1027.2	2077.8	6409.2
547.2	1484.1	85.2	693.9	3471	1108.5	383.2	487.4	6216.7	842.7	7786.2	913.5	2623.7	5784.9
736.4	1017.5	123.3	743.3	7664.8	1085.1	238	689.1	7217.7	503.8	8233.3	496.5	1918	1927.6
409.7	944	56.4	938.4	6218.7	777.6	570.6	636	3069.9	722.6	6132.7	982.6	2574.1	4061.4
239	1045.3	197.2	830.2	6516.5	1629	508.4	711.5	5509.5	436.8	7903.5	594	4167	2976.8
202.8	911.1	79.5	1017.7	7799.7	1212	1080.1	841.8	9926.9	1043.3	4491.8	886.1	3013	3017.5
868	878.3	201.9	2003.8	19608.8	2468.6	383.9	732.4	15229.5	982.9	6131.8	984.7	2639.2	1901.5
341.8	705.4	163.8	1144.3	24200.9	1440	542.5	451.3	8928.7	1341	4530.3	683.7	4335.4	6148.8
453	596.1	107.2	1193.1	7267.4	1524.3	304.1	176.9	2696	451	11943.5	1624.5	6242.3	8452.6
459.5	636.1	48.8	468.4	5482.2	982.7	232.6	835	8382.4	428.1	9350.4	592.9	1657.9	2381.9
375.7	756	40.2	1127.3	2815.1	1046.4	529.8	427.3	3988.4	668.2	6869.9	1026.1	2494.3	6198.6
240	913.1	101.8	722.1	14837.9	1390.7	624.1	653.6	6814.7	780.9	6489.8	627.9	2588.7	1639.3
320.1	881.4	106.3	1424.5	16375.1	1608.1	599	612.9	9967	1198.5	6947.1	834.1	2955.4	1908.2
613.5	997.6	79.7	520.6	11781.9	1516.1	610.2	712.7	5852.4	642.9	8839.5	1344.5	2680.3	5564.8
291.2	753.2	153.2	788	2874.3	1024.6	492.6	575	2330.4	350.9	8707.1	2135.9	3885.1	4183.6
454.7	1239.5	79.3	1419.3	6741.1	1566.9	367.8	494.7	7102.9	508.6	9450	1384.5	4449.8	6245.1
622.1	989.2	163.5	1224.4	22627.7	1094	442.7	481	3495	297.4	8639.2	861	3026.7	3976.7
386.4	1253.5	216.5	1187.4	13170.7	1377.7	913	848	7952.8	499.2	7573.5	647.2	2570.7	3129.7
416.8	781.9	68.2	1001.5	2827.4	938.5	524.6	421.4	7832.5	603.9	6932.5	518.3	2638.8	3928.8
217.4	1227.8	202.9	886.9	23945.6	1081.8	816.4	882.7	4570.3	791.4	5755.4	641.4	4873.8	2889.5
163	1210.5	195.3	2071.7	22921.4	1178.2	446.8	1692	6607.4	701.1	8742.8	1145.6	3612.4	3572.6
297.2	1214.1	178.5	763.2	16956.7	1058.4	1394.1	929	5064.3	692.6	12832.5	1112.3	3814.9	6098.5
275.5	642.9	190.8	698.9	5518.2	1218.4	569.7	728.3	4954.7	795.9	6868.1	1058.5	9124.4	8906.7
424.4	1554.8	262.6	1330.1	4225.4	1289.5	833	759.9	4206.8	1132.3	8907.6	828.8	3869	7617.6
252.9	978.3	36.3	1031.8	2469.9	1024.5	342	743.1	13658.1	431.8	11621.3	1128.7	4302.7	3704.5

688.1	1549.6	80.5	1184.6	17906.1	1338.5	614.4	580.1	4458.2	725	9134.9	826.5	3639.5	4913.8
644.9	914.6	235	931.4	17762.2	1741	589.6	532.9	4155.8	1021.2	5488.6	699.2	3260.5	8239.4
431.6	757.9	74	617.2	8944.1	926	644.4	627.5	7613.7	542.7	7299.6	1108.2	2489.6	4350.7
399.4	905.2	152.3	829.4	12253.4	922.8	656.6	502	3692.5	577.4	5700	814.5	2918.8	4795.2
452	1077.5	215.9	1270.5	9471.6	953	786.7	699.9	8291.8	1017.2	11324.1	937.1	3116.8	5147.7
193.7	691	72.1	690.6	6198.3	963.5	350.4	365.1	2918.6	375.3	5068	408.3	663	3025.2
459.1	1224.4	74.2	703.9	3593	872.1	248.8	444.8	6539.7	743.7	6019.2	599	1351	6604.9
382.5	838.6	67.5	691.7	4317.8	945.4	574.3	672.9	4210.9	822.5	6173.3	563.3	1736.6	3152.7
282.2	1248.2	145.4	1297.2	6711.6	981.5	120.7	1237.1	8412.1	1490.9	3266.7	644.2	1519.3	744.4
427.2	1135.7	57.5	976.6	15354.6	1085	953.2	2072.6	2222.3	407.9	3537.2	313.7	1563.5	2082.9
395.5	970.9	209.5	934.8	7717	1602.3	341.9	478.4	5759.2	806.3	4424.9	477.4	1531.8	2921.6
625.1	908	322.3	1063.2	25144.1	1832.2	699	414.5	7555.9	1441.3	3273.1	246.8	1508.6	4940.2
138.8	864	502.6	749.5	8154.4	1066.3	608.1	1124.8	15494	1150.8	6442.7	335.2	1964.3	4039.2
520.1	688.4	357	671.4	3537.5	1367	558.4	404.5	14661.3	508.8	6710.2	537.6	2141.4	2518.1
435.5	861.8	330.8	768.9	7897.9	1063	473.6	394.3	5083.4	422.8	9651.4	732.3	2266.4	5065.5
531	966.6	228.5	776.9	7909.8	1990.8	379.5	617.9	8687.4	671.3	6738.8	965.8	7373.6	4869
235.8	751	192.4	849.8	5790.1	933.3	435.7	518.2	5370.1	727.5	8956.4	415.1	2594.1	4670.4
250.8	1473.6	517.7	1744.4	7904.9	1658.4	506.1	696.4	7439.2	1488.2	6437.9	1451.3	2162.7	3445.7
358.8	1127.8	79.2	763.6	15808.3	837	879.6	438.4	4398	840.1	7262.7	500.9	2298.4	1786.6
299.1	1087.1	233	1967.6	8084.2	1437.6	422.4	577.9	7302.6	1066	6144.9	579.5	3809.8	3316.7
474.9	1068	37.9	1354.3	5088.7	659.4	341.1	552.4	3177	741.9	9706	837.9	2058.2	4724.3
364.8	609.2	60	637.4	12346.6	799.2	485.7	546.7	5182.6	572	9087.2	395.3	2288.8	5207.9
206.3	695.9	170.6	523.2	2879.5	938.8	344.9	446.6	3181.4	566.4	7274.4	852	2884.2	3048.6
288.6	770.5	190.6	987.3	7800.3	1058.1	745.8	413.9	1394.7	582.4	7674.8	589.6	3394.4	8327.2
417.1	834.5	287.6	630.1	6550.7	949.6	903.1	623.7	4531.4	695.8	8641.1	1180	2257.3	1627.2
272.2	987.4	83.9	773.8	2507.1	1192.7	400.5	412.5	5063.6	575.6	6258.1	475.4	1317.2	3864.3
254.7	802.8	74.5	798.4	3635.9	938.4	299	715.3	7628.1	437.8	8806.1	858.9	1950.1	4487.4
365.3	887.4	236.2	653.6	3151.2	789.6	630.6	650	2482.1	547.9	8687.3	861.2	2384.3	3413.4
298.7	648	121.4	726	6769.6	994	395.6	678.8	5919.8	449.1	8640.2	516.3	1621.5	3257.3
709.6	1232	216.6	886	17931.5	1300.5	370	283.3	5945.5	905.9	4787.9	666.3	2779.8	1630.1
208.5	783.8	257.6	396.9	3425.5	1150.7	518.1	613.5	4526.7	1344.5	5779.4	323	1876.3	955.9
263.8	806.8	226	566.2	3413.3	809.6	570.4	537.6	1929.7	1021.9	4380.9	306.4	1294.3	625
205.9	749.7	143.1	400.5	10471.6	1090.5	311.3	313.7	4480.7	901.4	4019.4	197	1746.7	1995.3
194.1	449.2	85.7	589.2	5163.6	948.5	553.9	454.2	2526.2	571	6295.4	164.5	1088.7	709.3
270.7	1096.5	138.1	621.1	4230.9	703.9	356.2	796.4	4136.7	655.7	4303.6	297.1	1219.5	1172.3
148.1	999.5	314.3	672.9	1891.4	947.1	903.3	467.8	5335.9	2849.9	3614.5	142.4	1742.6	829.8
298.4	645.2	269.9	391.7	4358.2	751.8	588.4	665.4	9281.7	1007	6598	337.9	2123.5	728.2
154.3	906.1	239.6	714.4	1538.8	737.3	831.1	1171.2	3886.5	836.3	6057.4	307.6	1976.1	3671
165.1	527.2	234.3	430.9	5995.4	1372	513.3	385.1	5388.3	873.6	4785.2	275.8	1539.4	683
139.5	1081.5	193.6	242.9	2064.8	994.2	373	846.6	1972.9	921	5193.5	252.5	1651.2	1516.7
182.6	885.4	273.2	681.5	4528.3	1143.7	228.9	766.5	5434.8	569.1	4310.3	267.6	2568	912.5
130.1	469.8	313.1	510	1166	1380.6	499.4	704.5	6058.3	918.4	5387	208.3	1390.2	1081.3
171.3	471	239.1	435.7	3701.6	1045.1	625.8	429.7	5382.4	593.8	5674.4	421.9	3636.6	1883.4
221.7	597.6	214.9	575.3	2808.9	1020.3	454.1	511.1	7421.2	512	5065	812.9	1757.4	2190.8
145.9	873.5	302.3	666.3	2262	1123.8	565.2	380.7	7717.8	894.9	5522.2	250.8	1504.7	57.5
227.8	742.7	97.4	380	6238.8	1465.2	705.3	505.4	2070.6	402.2	7733.2	235.1	1330.1	781.9
293.2	899.5	392	397.8	1487.1	1431.6	785.1	452.8	952.7	1497.3	5157.4	258.6	1792.6	1503.5
148.9	582.8	203.5	722.4	4746.6	1091.1	682.5	891.1	7589.9	472.1	7311.4	236.2	2389.3	4261.2
62.6	725	280.3	555.8	8103.8	1914.1	588.5	680.8	2440.5	519.9	4354.3	267.8	1479.4	1845
252.9	671.4	84.3	343.8	1675.6	1436.6	554.6	1002.3	2928.2	373.2	5877.4	652.3	1329	1617.9
237	702.2	313.3	591.8	3136.3	1807.8	575.8	892.8	2745	1064.1	4578	278.6	1443.2	1843.7

453.1	905.3	85.5	499	8557.8	983.2	603.8	734.4	1682.5	378.1	5805.1	482.3	2596.6	3139.1
158.2	981.5	400.9	760	1121.7	2060.8	189.4	847.7	4430.3	401	7226	447.4	3499.3	1268.1
398	427.5	241.7	536.2	14199.6	1244.5	495.5	704.2	1978.7	698.5	4419.9	513.4	2777.9	1870.2
203.4	716.4	329.8	505.8	2139.7	1088.5	708.5	400.3	4077	464	4408.5	302.7	1835.9	3111.5
240.9	901.1	271.9	597.9	3238.3	1466.4	679.8	388.6	3713.3	874.4	4556.2	419.5	1955.8	4191.4
373.3	1692.4	368.6	579.8	3772.1	1476.3	527	776.3	6282.7	634.2	7704.4	609	2519.9	1690.5
194.3	391.7	47.4	482.4	20465.7	872.7	447.7	441.2	447.7	418.3	5590.9	847.2	2296.6	5218
221.9	737.8	268.1	643.2	7347.8	1262.8	924.4	858.3	3190.3	1024.7	4727.2	317.4	2199.2	4892.2
291.1	544.9	93.6	372.2	4558.6	1204	603.1	547.2	6657.9	1068.3	5825.1	397.1	1886.9	2055
408.5	626.3	406.6	548.7	1369.2	1143.6	455.9	855	3613.1	521.5	5976.7	566.6	2170.8	2236.2
137.8	895.6	338.3	631.7	7820.4	711.1	494.5	756.1	1830.5	1237.9	7903.7	401.3	1919.8	2140.2
411.7	736.8	188.3	600.8	7248.1	1131.3	1207.1	869.2	6630.1	1136.3	8051.2	347.8	1801.8	1273.2
146.5	770.2	324.9	419.8	2986.9	893.8	329.8	766.8	3221.7	961.1	4290.9	305.9	1047.6	1791.4
225.2	648.6	136.3	295.7	3900.7	909.9	368.8	619.5	4483.1	507.1	6731.3	411.2	1880.2	2706.8
430.5	798.8	103.3	615.1	4123.9	1279	906.3	575.6	2887	335.2	4461.1	265.2	756.5	1312.9
678.5	677.5	139.1	800.3	10662.5	1944.7	384.8	1000.4	14635	586.8	5977.8	584.4	2288.7	2282.9
162.6	681.1	198.5	312.1	1765.9	1136	651.2	786.5	2344.7	873.2	5687.6	327.3	1953.9	599.2
19.3	874.9	249	753.3	3616.7	1652.3	296.3	734.5	7041	753.1	5733.2	282.7	1225.1	506.9
184.1	601.7	181.5	462	4376.2	1079.3	530.5	340.6	5301.6	448.6	5309.1	302	1129.2	1231.3
141.7	464.8	227.4	486.7	9568.6	983.8	442.4	456	3225.9	844.4	2844.7	330.5	2077.9	3203.9
146.7	799.1	150.7	400.2	12526.9	913.7	338	533.5	4976	606	7788	644.1	1969.3	2649.7
303.9	491.7	194.5	516	685.8	2403.6	427.2	1086.5	3907.1	591.2	3080.4	252.4	812	392.1
60.4	858	309.9	515.3	2769.7	972.5	296.2	547.6	3794.2	654.7	3443.7	366.7	1425.3	1498
377.3	631.9	112.7	580.1	2932.7	980.6	739.7	424.6	1471.8	321.3	5810.1	618	2019.6	487.8
366	797	51.3	805.7	2699.7	1015.2	518.3	696.6	1972.7	307.8	5393.9	959.6	1993.5	1671.5
215.1	166.6	54.6	420.4	2653	1396.4	600	605.4	2623.9	319.1	6095.9	413.1	2439.7	1958.6
49.4	595.8	152	626.9	8423.7	1110.2	825.4	411.1	2743.2	626.9	5354.9	389.6	1745.5	2226.5
541.4	729	116.8	472.3	3228.6	810.4	679	346.6	1528.6	664.8	6825.4	634.6	3300.5	2512.8
69.3	673.5	84.1	1241.2	935.7	746.4	921.3	410.3	2033.7	450.9	5088.8	698.2	1786.8	564.5
211.5	647.7	66.4	376.2	3532.6	919.8	355.7	424.3	3601.7	1042.3	6670.2	347.3	2205.9	1335.6
147.4	644.6	38.3	595.3	4670.2	948.1	364.2	325.3	1886.6	293.4	6364.3	663.6	2723.1	3160.3
170.6	787.1	64.2	462.8	2362.4	659.7	327.5	1078.4	2539.8	402.7	7240.8	588.9	1596.8	1203.4
281.6	707.3	582.4	251.2	561.2	991.5	890.8	722.3	6511.5	585.1	5915.8	246.2	1285.9	317.6
277.9	1503.6	363.7	560	3251.9	729.9	1529.1	595.7	3012.5	468.7	7291.3	538.1	1438.1	1188
343.8	863.1	150.2	420.7	1236	1003.1	668.3	856.4	6419.8	585	7024.1	250	1236.1	1439.5
347.5	868.9	148.2	495.5	5652.5	913.7	515.4	538	2564.6	637	5306	430.7	1531.9	1691
573.3	903.1	121	648.7	2083.8	902.4	494.4	502.3	3415.9	351.5	5644	454.6	2116.3	1954
740.7	756.6	1006.1	1029.7	2226.7	1595.8	765.2	611.7	7891.6	741.6	7378.5	356.5	1490.4	2453.2
349.8	579.7	148	451.1	2630.3	847.1	439.2	580.7	1827	390.7	6135.7	797.2	2336.8	1505.6
213.4	380.7	80	385.2	6949.8	784.6	565.6	596.5	3187.5	705.3	7495.4	582.5	1669.2	2524.1
446.2	674.7	511.5	1449.5	2042.3	1502.2	426.4	849.9	10135.3	503.8	3373.8	615.6	1630.4	3412
81.2	633.9	249	710	4119.4	1086.7	238.9	608.9	6329.7	364.2	5119.5	254.7	1392.6	1989.3
67.6	601.1	316.9	667.9	13157.3	1288.8	540.3	313.6	4569.8	411.1	4462.5	249.6	1588	1635.6
193.3	957.7	614.2	678.6	1220.6	2258	578.4	1192.5	3964.1	962.2	4084.5	311.2	1848.8	1256.8
336.5	434.5	307.2	607.6	4137.7	1049.6	779.4	689.2	3317.9	477.8	5568.8	760.7	3238.4	1704.9
311	535.7	111.4	384.3	6816.3	1520	656.4	443.6	3447.9	417.7	4758.4	399.2	1241.8	1276.2
201.9	1060.8	162.8	788.6	21495	1684.4	544.4	699.5	8399.3	389.4	5487	1056.7	2595.1	1956.6
423.1	856.1	284.9	546.4	3468.7	1106.1	1005.4	334	4474.3	475.1	4268.4	186.5	709.8	3262.6
192.6	896.9	70.6	585.7	7357	769	361.4	475	4098.4	703.8	6051	510.2	2176.8	1550.5
288.8	900.5	140.8	769.9	7870.4	877.9	393.6	503.6	2449.9	686.6	6055.4	336.3	1344.4	1687
376.2	935.5	399.2	725.1	10182.2	1576.4	727	929.6	7302.3	518.5	6477.8	303.6	2477.6	2577.4

317.9	870.8	195.6	651.1	4671.8	1485.3	636.2	920.6	4059.7	446.3	7085.2	481.6	1464.2	2110.7
283	1138.2	222	686	17314.6	1946.4	353.4	953.2	3649.3	557.7	4044	397.1	1711.8	2998.9
41.9	815.5	371	562.5	3454.1	1385.7	470.4	454.3	4162.8	606.9	3133.1	404	2361.7	1292.1
151.7	830.8	219.3	554	4460	1231.9	428	495.2	1582.5	283.6	6502.4	551.9	2063.2	2502.7
115	739.7	236.7	675.2	4545.7	1355.9	390.6	460.2	9641.5	405.9	6219.5	321.1	1399.7	957.7
382.4	551.6	74.3	684.2	5065.2	922.8	508	785.3	2451.2	330.8	9276.9	381.1	1103.4	3992.6
182.3	897.9	235.1	644.9	5386	666.8	317.8	1314.1	5311	896.4	5933	653	1893.5	2960.1
275.1	606.8	101	455.9	3861.9	889.3	741.3	783.7	4579.7	790.4	7246.5	960.6	2339.9	3190.8
341.9	731.2	376.6	798	20278.8	1669.6	454.4	464.4	9511.7	1663.1	5289.4	366	2037.1	7575.6
253.9	693.3	99.4	780.3	5422.6	1022.3	487.2	377.7	3409.6	156.7	3879.2	555.2	1216.8	3522.7
764	755.3	440.2	829.2	10335.5	1763.9	411.1	361.5	13705.8	450.2	4991.1	372.5	2235.3	2186.2
117.7	802.2	340.1	420	9380.2	980.3	422.5	405	3754.4	584.9	5472.5	415.6	1776.1	4066.4
215.1	707.3	197.6	384.9	6512.1	1751.5	378.1	708.6	2678	589.5	5444.1	533.5	2447.3	2908.5
283.8	720.5	213.7	450	4570.3	1443.6	298.1	637.2	4452.5	564.2	6940.8	551	1869.4	4501.7
352.6	798.9	281.8	1075.2	9651.3	1059.3	401.5	510.3	3501.1	544.5	7737.1	323.7	1533.7	4287.1
275.1	728.8	171.7	523.9	23305.8	1369.4	315.5	731.4	11195	1127.7	4743.5	610.1	2391.3	3415.3
110.8	673.5	49.4	466.1	3700.5	906.6	513.4	603.9	3699.3	369.3	8414.6	584.4	1348.9	6938.4
394.5	627.4	438.7	593.6	11057.5	2306	274	1611.4	9910.7	839.2	7575.8	627	3054.7	3004.4
211.9	778.1	130.2	486.3	4503.7	1080.1	213.1	464.6	4413.2	586.4	4388	487.3	2365.4	3694.6
571.9	927	53.5	748.1	8064.1	878.9	393	543.9	2269.2	347.6	6734.1	557.6	1708.9	4370.7
198.4	879.9	442.9	636.5	11076.9	1080.3	555.9	941.9	10719.3	478.6	7383.2	549.9	1845.4	3126.3
190.1	591.3	221.6	1023.1	17861.8	1399.8	785.1	633.2	10755	289.6	6522.3	468.2	1747.7	3214.5
156.9	415.8	72.1	416.9	8741.9	796.8	512.2	318.3	2572	335.7	3774.5	136.9	1438.2	2583.6
262.8	466.5	180.8	482.2	3341.4	859.3	465.4	718.9	5178.7	434.8	6741.2	864.6	2567.2	4524.8
328.1	952.3	281.5	621.9	7015.6	1008	801.4	1289.1	6865	591.5	8159.6	319	1103.4	2027.1
338.2	686.8	154.7	526.1	9219.8	1117	412.7	503.9	2959.9	669.6	6724.1	726.6	2022.5	3458.6
171.4	642.4	271.1	804.2	16985.7	999.3	430.2	428.1	3504.1	549.1	7255.1	290.4	1870.8	2524.9
267.8	868.9	162.8	645.2	4815.6	966.8	139.8	788.2	5742.7	680.8	4001.8	257.2	1707.1	1754.7
306.2	760.6	176.1	907.1	17801.8	1271.9	713.7	1115.5	7633.7	575.3	7821.8	903.2	5538.5	3526.8
185.8	661.7	156.7	353.4	3808.7	1006	253.8	591.1	3783.2	528.1	5165	298.2	1137.5	2508.8
547.5	643.6	97.2	644.7	12842.3	1202.7	383.7	614.4	3430	471.7	6414.9	295	1674	3300.2
391.6	1124.7	89.8	1204.1	4571.6	835.7	678.4	461.2	7756.3	528.5	7885.4	1256.2	2349.9	4329.7
353	805.5	95.9	755.5	13278.8	1217.5	563.8	837	10243.8	380.9	8873.6	1201.8	2535.5	5473.9
242.9	703.2	108.4	618.1	2589.7	981.2	551.2	561.9	3825.2	527	8952.4	550.9	2627	7043.8
142.2	618.4	65.4	503.4	6967	959	394.7	497.7	2447.2	425	5571.4	528.4	1761.4	2488.4
257.6	633.6	223.7	753.8	4900.5	1281.9	571	652.1	5663.7	408	6593	348.4	2504.4	2602.8
306.7	815.9	96	541.2	10774.6	1399.7	724.8	1003.3	5593	718	5130.7	330	2747.7	2510.9
229.6	603.5	74.8	610.3	2028	966.3	457.4	599.2	9874.7	646.7	7399.9	643.7	1940.3	1354
210.6	916.4	188.7	599	6923.6	1007.1	455.7	624.9	4103.8	595.1	5976.2	546.9	1672.8	2000.8
330.6	800.8	393.5	1021.8	12624.9	1501	1126.3	648.2	12608.6	2405.8	8426.7	1012.7	4820	3895.9
437.1	810.2	255.9	913.9	4826.1	1060	377	791.5	4866.5	641.4	8152.4	468.7	1819.4	3341.6
547.1	799	151.1	1116.1	20517.5	1095.1	927.7	687.5	6368.1	431.6	6792.8	596.8	2526.7	3601.6
11.5	802.8	58.9	608.1	1146.8	1136.1	474.8	862.1	6937.1	838.6	6007.6	892.7	1744.3	1776.5

MATR3	MAX	NDUFB8	RAP1B	TCF12	ZNF410	CCNB1	CDC42EP1	CTSS	CXCL11	FZD9	HSPA14	IFRG28	PLK1
8866.4	2303.2	3145.4	3448.4	2229.6	2172.4	384.9	263	612.4	250.9	28.7	780.1	345.3	141.6
6654.4	2747.7	5066.7	3863.9	1565.8	3998.3	518.1	231.7	554.2	49.9	22.4	1351.5	314.9	108.4
3892.6	2666.5	2747.6	2780.9	1163.1	2269.8	260.4	160.6	886.8	37.1	30.4	609.8	182.7	130.3
7793	1268.6	2363.1	5211	1503.4	2072.2	1051.7	329.4	413.9	12.8	14.9	804.4	204.8	166.3
5005.2	2221.2	2646.4	4336.3	2322.4	3170.9	256.2	498.2	856.2	302.7	37.2	811.2	312.1	227.2
7392.2	2731.6	3384.2	4030.4	1908.2	3190.5	165.7	243.3	1237.9	26.1	19.8	601.8	293.8	58.5
9388.1	1527.2	2794.4	3272.7	1590.1	2037.8	316.6	483.6	403.7	59.1	27.6	647.8	220.8	310.1
6120.3	3002.1	2560.9	3710.5	1691.7	2128.6	324.6	170	1629.6	51.2	18.4	777.5	367.9	175.4
9539.5	2579.6	4386.3	4278.5	1729.8	2967	574.3	268	915.7	116.5	22	767.1	704.4	183.5
9331.4	1800.3	4027.4	4456.1	1625.6	2050.4	411.1	76	862.9	95.4	12.6	949.8	362.5	205.9
7142.2	2997.7	4967.7	5461.5	2606.8	3422.6	223.7	100.8	566.1	143.9	9.9	980	633.5	90.5
6336.5	2277.8	3643.2	3183.5	1844.7	3182	366.2	207.1	418.1	70.4	13	602.7	304.6	143.4
7618.8	2275.3	3230.8	3827.1	1652.4	2346.9	354.5	277.4	1461.2	191.1	22.8	482.3	236.5	163.5
7292.7	2298.7	3378.9	3653.3	2351.3	2490.6	215.6	329.3	631.7	34.7	18.9	626.3	182.4	119.5
7458	2470	3410.3	3165.5	1144.7	2049.9	613.1	407	595.8	60.9	43.6	737.7	157.9	216.4
9504.8	2603.4	3784.8	3426.6	2295.5	3446.4	237.3	469	310.4	72.6	30.4	573.6	248	147.5
8398.3	2303.3	3935.7	3744.6	1854.6	2645.1	258.7	222.2	1226.5	84.5	27.3	736.1	284.2	106.8
8422.4	2299.4	3768.1	3177.4	1273	2091.2	673.3	246.4	863.1	1014.8	14.8	619.5	1084.1	110.3
8509.3	2951.7	4062.9	4907	2245	2848	477.4	317.8	598.4	42.7	10.2	522.6	347.6	81.1
8644.2	3087.9	5502.9	3613.2	1558.3	2701.6	280.3	231.5	396.5	7.8	33.8	1097	233.6	95.2
7832.1	2351.8	3165.9	3962.2	1990	2581	349.4	386.5	597.1	214.9	38.3	734.6	361.4	123.5
7645.3	2371.7	4048	3812.2	1967.4	3018	337	147	1507.4	124.3	13.8	1006.6	376.3	124.9
8116.2	2020.4	3636.6	5082.1	2429.3	3075.4	292.1	336.6	632.1	238.1	23.9	633.9	362.3	71.3
8895.7	2135.4	3946.2	4082.2	1862	2759	515.9	288	949.6	203.3	18.1	897.8	318.2	148.3
9048.3	3609.4	3982.4	3417.5	2051.5	3650.6	712.2	195.4	385.7	342.3	8.2	809.9	342.5	225.3
8236.7	3321.4	3840.2	5877.9	1460.8	2554	673.8	236.2	590.1	161.6	18.6	1044.2	502.8	196.4
7999.9	2476.2	3612.6	4119.1	1437.8	2163.2	416.2	179.6	1214.7	652.1	24.1	601	441.6	163.4
7720.2	2457.4	5097.8	4005.2	2258.7	3096.6	759.2	194.5	750.4	287.2	18.7	668.7	533.5	114.8
6514.9	2828.4	2918.8	2800.5	1584.1	2087.1	256	384.5	1055.6	1078.4	20.2	600.8	919.2	249.6
8122.4	2787.3	3649.8	3885	2116.9	2356.1	307.4	248.2	1585.2	87.1	25	709.7	259.1	58
7405.9	2225.5	2735.2	3902.4	2217.5	2766.3	234	425.9	1871.2	202.2	30.5	647.7	399.4	37.6
6839	1971.4	3093.4	4832.3	2233	1948.8	664.5	350.4	741.1	101.9	14.5	659.6	167.7	178.4
6593.6	1949	2577.5	4542.8	1858.9	2087.8	431.9	250.7	900.9	370.1	11.1	666.7	405.3	311.2
7957.4	3538	5156.6	3527.5	2120.1	3232.4	447.4	99.6	1047.3	891.3	25.5	654.2	732.7	123.5
7097.3	3308.8	4400.8	2483	1847.5	3469.2	353.5	212.9	728.8	201.9	15.1	501.7	375.3	63.4
6887.7	3111.2	3737.6	4127.1	2126	2820.8	584.8	301.7	1247.1	285.6	20.2	744.1	290.9	265.5
9834.9	2079.1	4008.1	3926.7	1748.3	2546.6	249.6	308.2	630.5	41.2	30.2	1308	154.7	32.1
10055.1	2543.3	3913.8	3733.6	1259.3	3850.4	417	238.9	710.9	112.5	16.2	2065.6	170.8	204.1
7798.1	2974.5	4094	4684.3	2026.1	2870.5	231.7	167.2	848.6	50.5	13.1	1015.6	423.9	190.3

9406.8	3017.7	4529.4	3344.3	1991.8	1501.2	548.5	225.2	577.3	223	14.8	684.4	828.8	195.8
14275.6	2127.2	2444.3	3736.8	1620.2	3415.6	391.4	71.7	422.5	76.8	11.5	866.8	251.7	114.7
10578.6	2922	4090.4	4668.1	2393.7	2912.4	323.2	148	485.3	244.1	14.8	589.5	447.8	136.9
8252.1	1398.6	2585.5	4162.3	2146.9	2193.7	564.1	152.9	518	131.5	30.6	700.9	194	213.7
6265.6	2199.5	3176.1	3447.4	957.1	2792	727.5	288.8	3289.7	1230.5	12.2	5613.7	776.2	412.2
6046.8	1232.2	2602.5	3008.8	1701.4	1915.6	316.4	433.4	1021.3	47.7	11.9	812.4	364.5	201.9
8807.2	2174.7	3683.8	3579.7	1653	3688	478.3	433.8	460.5	107.1	24.7	906.5	274.3	140.9
7589.1	1680.7	2941.6	4931.6	2289.4	2949.4	716.4	271.8	1233.1	112.7	17.2	732.4	141.2	148.2
8923.8	1656.5	3330.3	4147	1531.2	2873.6	457.2	370.4	606.9	88.6	17.7	766.1	79.1	168.2
8072.9	2504.4	2947.1	3577.2	2232.7	3237.7	255.8	338.8	642.8	34.3	21.7	581.4	164.7	116.5
5648.6	1388.6	2738.4	3322.8	1671.6	2228.7	688.4	536.8	794.5	95.6	27.3	529.6	225.4	418.4
7297.2	2358.7	3466.3	4189.5	1911.4	2600.4	474.4	183.7	1076.2	134.7	12.2	759.4	164.3	148.7
7507.6	1818.7	2865.5	2913.5	1392.5	1721.8	512.1	289.4	613.8	59.3	33.1	684	185.2	160.3
7397.9	1824.3	2836.2	2533.8	1317.9	2152.6	306	154.2	834.1	78.8	34.9	742.7	433.9	152.7
6967.4	2652.6	4230.3	4005.9	1590.8	1795.5	634.5	191.1	2050.4	68	25.1	740.9	268.4	155.8
9535.4	1970.7	2932.5	4133.9	2337.4	2861.7	359.1	401.2	635.9	200.8	31.2	976.2	210.1	128.4
9222.7	2258.7	3919.7	3590.6	2038.6	3441.3	328.2	178.1	335.1	78.3	21.2	1134.8	98.5	128.9
8339	1672.2	3428.5	4664.1	1677.6	2090.5	525.8	272.3	1854	235.6	30	1042.3	527.7	176.8
6957.4	1850.9	2367.7	2923.6	1425.4	1914.6	467.1	319.7	447.8	91.7	48	330.3	334.7	286.4
7243.2	2171	4289.7	3174.8	1802	2593.3	232.1	131.7	673.5	218.5	14.3	471.6	311.5	120.4
9798.5	1609	2650.5	3622.9	1763.5	2704.3	455	123.8	370.3	63.2	14.2	785.9	152.3	100.1
6772.6	2533	3358.5	2889.5	1485.3	2176	465.3	267.8	670.2	948.5	22.3	667.6	435.8	264.1
7924.8	3268.1	2943.5	4567.7	2556.7	2205.1	551.4	250.2	1136.6	155.9	15.4	842.9	338.8	160.5
7723.8	2643	3096.7	6646.5	1942.7	2590.7	819	182.3	526	152.3	21.5	905.4	692.4	193
7274.4	1756.6	2171.2	2965.2	1670.8	1856.2	730	222.5	762.4	96.5	26.3	1087.7	155.8	170.7
7374.1	2168.3	2222.6	2526.3	1713.4	2778.2	595.5	280.9	1745.1	555.4	30	1054.5	214.2	361.9
6604.9	1777.1	3866.1	3880.5	1725.6	2572.4	582.4	225.4	705.9	164.1	9.5	866.1	206.2	220.3
6550.8	2592.7	2298.6	2539	1110.7	1936.9	663.9	314.2	1198.2	282.3	23.8	666.7	475	327.7
7437	3176	3578.3	3640.7	1947.8	2519.9	400	296.4	636.4	105.9	19.9	619.5	44.5	224
10359.1	2382.4	3941.1	2884.5	1558.9	2394.1	486.8	332.2	1028.7	41.6	24.6	717.2	463.2	257.3
6310.5	3360	3140	3150.1	1044.5	2097.8	659.8	178.9	1685.2	965.3	37.2	853	946	186.1
5556.6	1524.6	2946.1	2333.8	1448.5	2382.8	416.8	475.7	432.1	37.3	17.9	667.3	122.2	211.4
8253	2643.7	3731.2	3912.8	1991.1	2743	749.8	245.7	620.3	75	16.2	726.7	158.8	243.3
7123.1	2853.1	3228.5	3028	1616.6	3025.4	339.7	97.6	700.6	135.8	14.9	712.4	424.5	157.7
6418.9	2344.4	2954.6	2922	1455	3174.3	618.2	290.8	732.4	55.3	14.8	712.7	210.3	223
8005	2521.6	2088.9	2928.9	1334.3	1981.7	859.2	183.1	461.6	115	11.6	1562.1	310.9	203.4
6714.2	1073.7	2926.1	4022.5	1631.6	1311.3	384.8	431	677.9	356.6	17.7	338	347	190
8042.7	2736.7	2332.4	1525.6	1402.4	1323.9	625.9	954.1	213.4	96.4	24.3	480.5	342.8	219.3
7436.3	1325.9	2796.5	3065.5	1770	5423.5	1070.3	243.6	615.2	163	12.3	815.4	170.5	212.3
8897.1	1823.7	3685.6	3077.9	1636	1965	744.4	318.8	731	196.5	26.9	1149	713	184.8
7186.1	1580.6	4093.7	2400.8	1506.4	2120.4	736.7	196.9	395.2	13.9	20.1	641.5	969.6	290.9
6275.5	2207.6	1632.8	8279.3	1522.9	3056.9	957.1	335.4	992.7	244.9	18.7	403.9	1048.6	201.3
6068.8	1230.6	2809.4	3480.1	1762.6	3333.5	347.6	480.3	353.8	106	34.5	567.1	202.8	201
9803.3	1699.2	3259.3	3319.9	1219.8	1904.7	395.4	54.4	849	225.3	17.5	805.2	354.5	49.6
7027.6	1784	2156.3	3204.6	1633	2513.3	346.7	97.6	472.4	70	12.3	533.7	197.3	328.3
5922	3022.2	3292.6	2533.5	1431.2	2830.8	1522.3	218.1	500.9	102.3	15.3	374.1	71.6	764
10530.8	2978.7	3479.6	3314.1	1281.1	1788.2	438.3	140.3	1554.3	400.3	29.7	485.2	363.7	239.6
7931.1	1662.1	3871	3303.5	1502	2559.8	1106.4	375.8	507.8	125.3	57.2	1500.7	275.8	441.5
9502	1406.3	3160.9	3310.4	1573.2	1341.1	621	221.9	1081.1	264.7	31	841.6	775.8	277.3
10067.6	2056.9	3096.8	3999.7	1778.9	1622.1	1181.9	241.5	553.1	214.1	44.5	692.9	319.6	276.2
13926.4	1563.7	3951.9	3811.5	3140.4	4049.5	824.7	132.3	288.5	180.6	30.5	1063.9	436.2	315.4

8038	2510.9	5691.1	3311	1621.3	2734.5	616.3	193.1	252.4	223.9	39.4	887.5	809.3	233.9
7848.9	1519.3	3050.2	2777.2	1410.5	1942.6	1333.3	107.1	1027.2	1068.7	39.5	968.5	740.1	536.9
8603.9	1917.3	4333.8	2740.8	1900.3	2902.8	1777.3	330.1	230.8	13.1	25.6	1484.1	249.9	232.7
5064.1	1586.7	3602	2673.4	1503.5	3338.5	1100.6	323.3	409.3	116.6	37.2	812.5	262.4	437.7
8751.9	1898	4456.7	4080.8	1263.9	2841.8	1276.9	177.6	791.4	182.6	35	1368.6	608.6	239.2
9130.8	1505.1	6140.6	2853.6	1314.9	1837.4	1889.7	81.2	242.1	41.9	23.1	957.2	483.3	286.1
7619.1	2858.3	6015.6	3576.6	1742.4	5460	507.5	40.7	198.9	48.1	17.3	631.9	64.1	130.4
9221.7	3227.3	2603.9	2525.1	1408.6	3028.7	565.1	155.4	273.1	86.2	52.2	866.2	657.5	252.5
9049.7	2280.1	5192.5	2011.6	1925.7	3602.8	803.1	259.2	137.9	50.9	150.9	562.3	364.8	273.1
9030	2481.2	3057.7	3028.7	1956.3	3617	179.4	404.8	207.9	66.4	34.6	427.9	121	103.2
9893	3437.2	3936	4145	2611.2	4657.4	1173.3	88.3	612.2	251.7	14.3	774.9	480.3	194.3
8135.3	1948.6	2563.2	2787.6	1296.7	2584.3	346.7	253.9	1010.6	320	27.5	375.5	184.9	117.6
13042.8	2081.1	3301.7	1869.9	1909.9	3981.3	708.9	211.4	17.2	57.3	84.6	1027.8	63.2	221.9
9836.9	1251.8	4389.5	3380.1	1609.3	1563.8	1256.9	226.9	575	214.3	11.5	1226.5	786.7	429.6
5544.4	4593.4	4495.9	4615.6	2113.1	4494.4	532.8	362.4	430.4	92.4	16.8	406.9	254	228.5
7463.2	2336.5	3687	4247.1	1886.2	3619.2	571.4	107.6	264.5	6.5	30.4	2551.2	76.5	163.5
8806.6	2717.9	3648.2	3911.3	2207.4	4366.2	350.6	197.6	259.2	50	17.9	526	217.3	129.7
8186.7	2773.6	4729.4	4601.2	2462.2	2691.8	1085.7	187.4	815.1	231.4	15	913.9	778.9	280.9
10823.4	3618.7	5934.6	4885.5	2955.5	3940.9	456.6	76.5	574.5	105.1	35.6	1078.6	552.7	135
6324.6	2883.6	5276.7	3245.5	1562.2	4047	404.6	109.5	682.1	218.5	22.4	1025.9	631.4	92.4
8919.9	3259.9	5233.1	6309.3	2217.7	3127	548.4	153.3	1368.9	1546.3	17.6	1650.9	1128.2	168
11343.5	1757.8	5608.8	3637.2	2700.9	3166.8	227.9	160	380.3	65.1	13.8	707.1	205.6	109
10104.2	2124.3	4126.5	3762.6	2268.3	3270.1	300.7	258.7	520.6	100.2	47.5	799.7	370.1	123.3
10049.9	4447	5079.3	4430	2391.7	4112.5	191.4	24.7	576.9	69	15.8	1020	267.5	85.6
13534.5	4369.7	5855.8	4132.1	2497.5	5527	389.9	22.8	185	112.7	13.2	783.4	191.9	141.4
12607.6	3058.5	4530.6	4095.6	2588.3	4897	433.1	132.2	187.4	106.2	18.8	932.6	160.2	193.3
9625.6	2789.2	5036.9	3680.6	3211.3	3044.9	832.6	206.5	423.8	260.5	20.2	1222.9	1124.1	154
11414.3	2445.2	4593.3	4995.9	2929.6	3861.4	407.3	324.1	477.2	87.9	15.6	883.7	221.5	205.6
15408.2	2116.4	4781.8	4143.4	2636.4	4417.8	782.5	166.6	224.5	87.9	34.2	916.3	254.4	119.8
8974.6	2611.7	3407	4557.1	3272.8	3039.8	527.9	377.7	768.8	349.4	63.3	889.7	805.6	304.6
8042.7	2434.4	5023.6	5839.3	1988.8	4848.7	1047.4	312.2	387.1	184.2	16.5	989.5	189.7	281.4
9220.3	2647.6	2754.7	3753	1705.6	3009.1	1023.2	174.8	647.3	183.8	35.1	945.4	261.3	256.3
9543.9	3155.5	4572.5	3592.6	2506	3894	906.3	40	312.7	225.4	131.8	794.1	821.5	167
10323.7	1601.8	5001.5	3816.1	1996.2	2597.8	1084.9	266.3	515.8	109.9	43.9	538	91.2	229.8
11393.1	3953.8	8218.2	4205.9	2552.7	4553	324.5	124.4	298.7	106.6	17.3	750.9	118.7	284
9472.8	2885.2	3787.6	4602.1	2332.7	3210.5	629.1	329.7	232.7	168.3	29.2	1055.7	190.2	147.8
6804.6	3108.6	7013.8	3059.8	2153.5	2907.4	296.2	226	626.5	16.8	26.5	382.5	555.8	89.4
8013.7	4802.7	3449.7	4814.4	2135.1	4001.6	1043.6	67.4	186	110.4	17.9	2092.5	262	174
8176.7	4405.2	4729.4	3516.5	2100.7	3977.9	697.6	214.7	550.5	232.1	26.3	568.3	1466.9	429.9
11331.4	3779.7	4567	3462.5	5118.7	5232	841.2	166.5	192	53.7	30.8	754.2	158.4	368.9
12805.1	4091.9	7514.8	3625.2	3618.8	4252.8	219.9	153.1	262.7	17	13.8	603.2	508.1	112.4
11939.9	3051	9123.2	8334.7	2875.6	4220.2	273.2	46.3	392	10.3	35.7	1077.9	424.5	177.9
11147.7	2262	5021.6	5073.5	3108.6	4063.1	328.5	140.7	257.9	117.2	34.4	1028	453.2	226.4
8090	4486.2	4953.1	3739.3	1601.1	6755.3	1372.3	153.4	240	51.9	11.6	1125.4	727.3	162.4
8898.8	2934.8	5215.6	3420.5	2215.4	2840.9	291.7	214.9	747	80.5	18.9	553	615.9	167.8
7342.5	3426.6	3916.1	8800.1	1820.7	4022.2	637.4	175.8	989.5	243.2	14.1	1447.9	633	184.7
11499.6	2652.3	5484.5	7426.8	2009	2464.2	605.2	108.8	369	90.4	10.8	1027	287.4	203.2
11766	3218.6	6112	4318.7	2223.3	4014.4	484.1	25.1	142.9	82.3	20.9	1108.2	291.8	151.1
8390.4	2675.4	5273.6	8726.8	2909.3	3409.7	744	148.1	1483.9	231.6	22.5	928.6	291.4	261.4
8551.3	3449.9	6030	4704.4	2380.1	4085.7	541.5	137.9	383.7	51.5	11.1	1074.5	313.7	155.3
13254.9	3675	5199.1	5106.1	2518.8	4734.2	334.7	186.8	414.1	932.7	38.9	1736	1091.2	126.7

7419.7	3406.4	5272.7	3960.6	2211.6	4615.2	505.3	163.3	264.2	91.7	41.7	690.2	257.8	204.4
11861.4	2994.1	6657.2	4266.2	3196.3	5006.3	682.6	242.7	255.8	36.2	22.9	759.6	85.3	186.2
10838.8	2887.9	5761.6	3727.6	2542.4	4093.4	325	60.1	204.1	90.8	17.8	908.9	74.9	171.9
8815.8	3442.8	4546.8	4208.1	2421.6	2720.9	752.7	123.7	596.8	453.2	40.9	745.1	1085.6	106.8
14612	2402.9	7116.4	6508.3	3084.8	4449.7	1770.7	167.6	93.4	124.1	25.9	1265.7	187.7	140.9
5768.9	1367.6	2563	2894.7	1243.9	2032.1	400.2	402.2	1062.8	198.7	24.2	646.8	400.7	161.9
8752.1	1537.8	3612.7	3050.6	1871.6	2170.8	533.7	285.1	127.5	78.9	32.2	858.4	143.3	164.1
8778.5	1465.6	4010	3659	2179.8	1425.6	372.5	190.8	701.6	99.2	41.1	796	367.8	149
7943.9	844.3	2062.3	2359.5	1297.3	2395.9	1944	154.4	302.1	137.6	61	1253.2	1084.5	884.5
5446.7	2930.3	2399.7	4049.6	1424.6	3710.6	631.7	240.9	467.9	136.8	32.2	617.8	172.7	345.2
7352.6	2269.3	3727.9	1555.5	1129.7	2725.2	451.2	594.1	314	114.4	19.4	416.4	777.9	310
7198	2118.7	3972.6	2637	1438.8	3281.4	857.8	247.5	168.5	63.1	58.2	943.7	10.6	286.6
7598.2	4036	2298.7	3525.5	1126.7	2558.5	1334.1	217.1	558.1	344.8	15.3	1224.6	252.8	250.8
10865.2	2484.2	4293.9	3336.3	2345.4	3847.9	753.1	261.7	589.2	91.8	38.2	895.8	322.3	295.7
8572.4	2255.4	4084.9	4999.2	1989.5	2394.1	479.1	20.9	1000.6	87.2	17.6	1032.6	218.2	175.9
13825.5	4576.6	5394.6	6838.8	2711.7	5638.7	761.9	340.3	213	273.1	42.4	715.5	1047.8	373.9
9381.4	3060.8	5664.7	3792	2090.7	3846.3	459.4	228.3	291.9	81.5	40.2	708.8	41.8	224.8
7069.4	2365.5	3934.8	4439.4	3059.9	3020.3	918.4	247.4	94.5	114.9	57.2	1781.3	133.5	399.6
9498.5	3863.8	3585.6	3548.1	2075.6	3299.8	765.5	239.7	780.3	399	29.4	1186.7	989	173.7
7497.2	4433.3	7215.8	3998.1	2013.6	3211.1	936.2	128.7	818.5	49.7	12.9	1158.5	213.5	156.1
12677.7	2025	6462.1	5886.2	1618.9	3298.3	371	68.1	586.8	106.9	11.2	1203.8	57.9	122.6
11123.6	2216.7	5549.3	4805.1	2434.5	3580.4	675.4	490.8	214.5	50.2	27.9	910.8	101.3	187.7
9576.9	3495.9	4450.1	4268.6	1926.8	2740.2	1036.2	97.2	1314.6	664.4	12.9	1159.5	1035.2	262.6
6868.2	2463.1	5170.1	5233	1701.2	2645.8	341.6	102.5	611	214.7	27.4	667.7	447.2	178.9
8931.1	2832.4	5262.8	3687.1	1984.2	2904.2	809.4	96.2	510.3	148.9	238.4	1192.7	709.4	217
9224.4	1732.2	2863.2	3213.5	1561.9	2580.2	605.6	298.5	618.3	160	19.4	956	476	351.3
9350.2	3163.6	3866.8	3954.5	2019.3	2823	476.7	204.8	537.8	115.8	35.9	1027	229.4	251.3
8746.6	3075.7	6901.5	3713	2217.7	4396.9	231.8	388.1	175.5	44.3	83.5	764.1	136.3	167.4
9305.9	3225.4	2236.6	3739.9	1785.3	3798.6	399.2	206.3	486.1	136.4	28.6	901.2	372.2	244.3
5409.7	1145	3620	9244.5	1369.8	2258.1	1615.8	268.6	551.8	145.2	90.3	709.9	447.9	234.3
4916.5	1134.6	3239.8	2121.5	1165.6	1026.7	1432.6	1056.2	1955.4	816.4	21.6	1458.1	2745.7	454.6
6460.1	1741.7	3680.6	2861.9	1126.9	1814.6	1101.9	624.1	2787.7	2715.9	55.9	1465.9	1969.8	320.8
5470.8	1413.4	2624.2	3773.4	1613.7	1744.4	2299.4	836.5	2216.3	108.2	321.5	601.5	666.2	646.8
6037.5	1940.1	2138.6	3247	1208.1	1999.4	659.2	501	3947	1987.8	16.5	3164.5	1356.7	605.5
8062.1	1215.6	3544.6	5023.5	1511.9	1576.5	900.4	835.3	1588	1141.9	66	1524.3	4806.4	384.1
7176.7	2198.8	3433.8	3607.1	1176.1	1861.5	2113.9	1077.1	702.3	371.8	45.6	2162.7	1157.6	538.2
6988.1	1604	3321.7	3975.1	1158.5	1573.9	1822.9	453.4	1430.7	1546.4	64.9	1883.3	959.1	539.2
9069.7	1972.3	3310.8	3719.2	1702.4	898	926.4	620.5	1465.3	553.1	27.9	1905.3	266	527
6179.1	1791.4	2668.1	3179.7	1543	2035.2	741.2	764.3	2729.1	1574.4	49.4	2134.6	1366.2	410
7755.5	1808.9	2644.3	2833.1	721.1	2539.7	1203.9	497.2	1076.9	569	9.5	1594.4	212.8	830.5
6529	1426.3	4048.9	3083	1921	2566.3	660.3	486.9	1887.2	579.1	267.6	1409.1	1455.7	579.1
6880.9	1725.4	6303.4	3260.7	1291.6	3192.2	1618	673.3	1244.4	1390.6	202.9	2073.1	3068.8	597.3
7674.5	3111.7	4020.6	4657.7	1574	3651.4	806.3	504.8	1029.2	737.8	398.6	1923.3	2033.9	192.9
6372.8	1968.6	2698.4	3658.2	2220.3	1856.2	1031.2	784.5	1679.3	1223.8	137.5	1359.6	1012.9	487.7
6399.2	1820.2	2565.9	3697.1	1144.4	1784.9	1560.9	775.3	3099.1	2613.9	227.1	2718.9	2223.8	597.8
6744.3	1756.2	3004	3473.3	2513.6	1598.5	749.9	334.2	1098.4	744	33.3	1190.9	508.6	481.3
9028.6	2174.9	5265.3	2309.2	1296.4	2551.8	1099.7	232	578.7	54.4	141.4	3204.6	909.9	387.3
4513.5	1783.5	5153.5	2974.4	1613.7	2888.3	383	411.9	630.9	244.9	189.4	1350.4	375.9	184.2
7583	1492.4	5809	2138.1	1984.7	2226	1124.8	279.9	1136.5	957.6	233.8	1036.1	1660.2	428.2
9465.1	2462.5	2728	2257	2360.3	2287.2	356.5	274.8	372.9	134	110.3	594.7	186	177.5
6311.7	2653.7	4526.3	2844.2	2103.4	2492.7	873	277.9	518.5	388.7	133.8	1448.7	427.3	650.1

7884.9	1663.8	3397	4026.1	2351	2303.8	808	615.3	1010.1	832.5	46.3	485.8	344.5	273.6
9417.6	1418.5	6239.3	3814.8	1664.2	2146.4	865.2	238.3	676.1	245	172.1	1688.8	623.1	497.4
6688.2	2355.6	5455.3	2756	1819.7	3570.6	597	124	285.7	102.2	40.1	1127.5	39	538.1
10316.2	1720.8	3850.4	2705.9	3115.8	2304.7	855.1	316.8	352.1	185.7	177.5	567.1	408.8	368.5
6263.2	2625.5	3594.2	2951.1	1844	2533.1	878	439.2	851.1	538.6	22.7	1518.9	814.9	409.2
8433.5	2788.1	5809.3	3452.6	1312.7	3197	1081	329.6	219.1	118.2	45	1088.8	1230.5	589.2
7117	3171.9	3572.9	3502	1764.3	2808.4	285.8	230	1297.2	115.2	30.7	560.6	558	145.7
6838.7	2185.1	2731.7	3779.8	1692.5	2391.5	493.7	289.9	576.6	99.1	15.8	1208.9	68.3	170
4298.9	1550.7	4139.9	2820.9	1945.9	2624.5	808.4	310.1	554	72.7	93.2	2303.7	118.8	377.7
7651.5	1434.3	4370.5	3064	2250.5	1763.3	466.9	408.5	558.8	243.1	49.8	572.5	314.8	319.2
10903.1	1909.5	4698.9	3575.9	2434.4	1514.9	1246.2	70.8	805.8	514.2	29.1	1626.2	537.7	276
8224.1	2254.3	4279.4	2965.5	1686	3058.2	937.4	259.6	381.1	521.1	117.4	2507.3	959.7	264.8
6007.2	1272.2	2791.9	2638.3	1399	2099.3	1029.3	327	1393.4	626.4	38.7	1478.1	360.3	354.8
6327.2	1379.5	3481.8	3543.3	1849.7	2277.4	912.7	529.9	730	580	113.2	1122.1	509.6	460.2
4461.7	1761	2164.2	1732.2	1096.7	1657.6	304.6	346.9	499.3	109.6	25	614.8	302.8	227.9
8743.3	1412.8	4283.3	2662.2	1900.9	2913.2	814.3	625.3	287.9	39.2	118	842.7	13.9	289.7
7206.1	3579.5	3679	3582.2	1425.2	3324	2031.1	375	2317.7	1223.2	16.9	1240.7	1692.1	502.1
7265.3	1002.7	2714.1	2314.5	1237.3	1780.8	1271.3	846.1	1213.2	552.6	39.3	1536.1	1250.2	798.1
6770.3	1635.4	3162.4	3469.4	913.9	1856.3	1140.3	941	1189.4	246	30.9	988.1	269.5	743
6242	2555.1	2915.7	3855.6	1168.3	2425.4	964.2	355.8	5265.4	2154.6	28.2	2179.6	1027.1	356
6341.9	2548.5	4719.3	4738.6	2034.2	2652.1	730.4	294.9	1305.4	838.1	15.2	791.5	816.6	136.3
4557.8	854.8	1236.7	2127.8	822.9	1609.8	678.7	699.4	1009.7	98.8	147.8	670.3	658.4	603.7
5780.3	2849.6	3110.6	2758.7	1447.7	2491.4	424.7	212.7	1898	832.4	102.4	788.2	1103.3	396.4
7881.5	4741.9	4747.9	6889.5	1251.9	3001.7	397.7	142.5	2527.2	65.6	34.3	1008.4	324.4	156.9
9019.8	2915.2	3988.6	4217.1	1484.6	1871.7	658.4	119.1	2378.6	408.9	37	599.6	541.4	109.9
7922	2101	3292.2	4399.3	1763	2331.3	596.9	263.7	1598	1189.9	13.3	895.4	1003.8	371.8
8312.7	1110.9	2954.4	3441.5	1745	2876.1	760.4	336.1	1153.1	153.2	47.4	844.1	170.4	303.7
7301.3	3277.3	4595.7	4802.8	1565.4	2269.5	415.1	311.7	1284.4	84.4	28.2	692.6	387.7	406.7
10515.5	3101.8	4028.3	3818.6	1965.4	2064.2	504.5	429.9	2648.4	828.6	18.6	809.2	1145.4	263.7
7198.2	1392.7	2395.4	2633.4	832.7	1812.9	1067.5	512.1	823.1	333	20	1174.6	726.3	425.9
8035.9	2899.3	4132.5	4677.7	1663.8	2589.8	550.4	132.8	3030.7	673.8	36.5	685.4	342.1	226.5
9433.5	1769.1	4533.9	4111.2	1885.2	2147.5	437.8	457.2	829.3	448.1	30.6	458	150.4	243.2
7885	1257.5	6339.3	2251.4	3087.3	2179.4	1237.2	313.6	544.9	49.3	121.2	1706.7	136.5	150.7
6143.8	3216	4094	3528.8	1367.4	2454.2	1424	335.2	505.3	1115.3	42.6	2594.6	1952.7	224.9
7899.7	1298.3	3222.7	3513.2	2316	2534.8	1143.9	251.1	885	709.2	43.9	1197.7	1192.5	386.6
7359.9	1997.3	4294.7	3309.8	1394.5	1965.7	567.2	342.1	1529	459.8	49.4	804.6	928.8	325.6
7867.5	2187.7	4388.6	4231.8	1791.3	2233.3	279.8	82.5	2172.4	428.2	60.7	647.5	409.1	214.2
11888.3	2742.9	8547.7	1736.7	2146.5	4528.8	717.3	74	294.7	76.3	245.1	2069.6	617.7	35.8
9354.6	2987.6	3668.3	4784	1991.9	2417.2	332.5	298	1760.4	381.3	25.8	925.8	323.2	128.1
5862.2	1658.2	3459.6	3294.1	1302.6	2186.2	557.7	364.2	684.6	654.9	265.8	891.3	458.6	205.3
7215.2	1183.3	6225.1	4786.6	1679.3	2436.5	730.1	234.8	187.3	108.4	180.2	1750.8	194.4	418.8
7595	3227.8	3839.1	4490.5	1765.6	2956.5	671.1	334.7	1696.9	674.2	32.4	676.5	559.1	267.1
5206.8	2028.6	2526.3	2605.3	1050.7	1672.1	590.1	443.3	1631.9	392.4	24.8	797.4	366	280
6460.7	2222.1	2909.9	2953.6	1255.8	1821.3	910.6	291.2	3422.7	458.6	18.5	1303.5	223.8	405.2
13547.8	3387.5	4042.1	4332.5	1637.6	3344.7	515.3	141.3	1414.7	894	15.5	791.9	1582.3	262.3
6427.5	2398	2701.5	4074.7	1234.8	1688	368.9	301.6	3586.5	969.1	28	643.4	436.4	258.2
9231.8	3421.8	5454.5	4488.3	2029.5	4053	1395.7	41.1	1388	406.5	58.1	1572.1	516.5	459.5
6408.6	1724	3059.8	3117.8	1479.9	2277.4	1005.9	294.7	1024.6	587.7	33.8	916.1	1242.3	519.8
7092.7	1965.1	3537.5	3896.3	1393.5	2251.2	641.9	205.8	672.4	115.3	14.7	787.4	312.7	207.1
5296.3	3185.6	4099.7	2896.1	1079.3	1536.2	914	224.9	957.2	528.3	19.7	918.4	563	203.4
8050.3	1664.1	3812.1	5231.3	1558.8	1985.7	1364.5	46.8	1123.8	915.3	20.8	1055.5	1092	211

6511.6	1764.2	2981.5	3003.6	1478.1	2083.1	571.3	410.7	1914.3	96.9	24.3	893.3	336.3	74.6
7986.2	1650.9	3747	2744.9	1916.4	1910.9	1078.1	690.2	1571.4	567.5	32	1143.7	953.5	341.3
6259.1	3482.9	4858.4	3567.7	892	2531.1	744.2	268.3	3000.6	573.7	35	932.9	981.3	314.3
8524.4	3407.5	5213.4	3516.2	1660.7	4125.1	355.6	424.4	1784.3	2230.1	12.4	856.3	1114.7	215.4
8480.8	3213.9	4172.4	3407.4	1809.1	3473.8	1018.5	182.2	1476.9	1380.4	15.1	1392.6	1054.8	289.6
6474.6	998.9	2376.8	4181.9	1546.6	1852.4	587.8	617.2	773.8	89.5	29.8	657.9	101.9	311.2
9133.1	1710	2639.8	3363.9	1355.2	3751.7	1013.7	424	201	44.9	8.3	790.1	101.4	225.2
11587.9	2764.3	3514.4	4271.8	2846.5	2980	637.2	125.7	384	118.6	20.1	722.1	187.8	193.3
6481.5	1966.2	3362	3320.3	1206.9	2366.9	1420	457.8	395.4	286.2	47.7	1009.1	441.6	537.2
7059.8	2126.2	2973.7	3474	1239.3	2309.3	487.3	444.7	1237.7	254.6	24.3	581.1	240.1	145.8
9874.8	2344	4667.2	3044	2374.4	5102.7	1391.8	61.1	219.7	78.6	30.3	1154.1	23.8	291.5
7769.7	1984.4	3119.7	2835.9	1462.9	3012.8	831.3	544.7	480.6	79.2	25.8	385.8	112.6	453
6885.9	1716	2936.8	3220.6	1996.5	2386.8	852.3	357.9	955.9	220.9	9.2	833.2	240.8	173.1
5879.7	2132.5	3782.5	3343.7	1706.6	2583.4	829.6	451.8	1037	220.6	14.4	589.8	235.2	143.6
5888	1830.3	4585.1	2404.1	1585.2	2892.1	470.4	549.4	495	114.1	19.6	987.8	145.4	259.9
5890.2	1394.5	1835.1	3887.6	1154.2	2013.4	429.2	301.4	530.1	195.4	61.2	1972.2	168.1	152.3
11527.5	1885.3	3663.5	4013.3	2233.6	2979.2	432.3	37	746.9	314.9	15.2	1426.6	415.2	132.3
9654.1	2250.4	5628.5	7763	2459.6	4301.9	653.5	225.7	204.3	46.5	32.2	3102.8	68	155.8
8327.6	2970.1	4571	4478.2	1810.1	4142	1166.2	209.4	924.4	190.8	9	726.5	368.7	271.4
9687.7	1418.1	2781	4319.5	2549.5	3095.9	632.1	321.1	929.5	183.5	21.7	699.3	143.8	248.2
9404.5	2742.4	5097.9	4206.6	2035.6	4621	894.4	101	284.3	46.2	24.8	989.7	13.4	287.3
6958.4	3413.5	2221.4	1900.8	1321.1	3629.8	382.1	207	267.7	287.8	15.4	559.4	2165.1	273.2
6390.9	1800.9	3820	2848.1	1652.9	1942.1	1195	316.5	2356.1	513.5	32.9	406.1	381.3	359.5
8752.3	2640.3	5007.2	4101.9	2091.4	3665.6	360.3	258.9	466.4	305.4	12.1	1057.7	176.1	215
6391.3	1812	2371.5	2789.2	2715.1	3630.7	1068.9	666.1	401.8	800.6	71.6	1362.3	915.8	319.3
6585.5	2123.3	2443.6	4635.2	1251.9	2636.7	657.8	352.5	1332.7	843.6	32.1	890.9	246.6	140.5
4277.4	924.7	2543.4	2364.5	687.4	2016.9	1193.9	500.1	959.8	513.1	19.7	1238.6	282.1	267.1
6538.7	1526.2	2732.6	3328.6	1442.7	2450.4	667.9	368.4	813	120	18.9	707.7	169.4	355.2
14849.6	2831.4	4540.8	3696	2801.7	5330.9	568.9	43	105.1	56.9	19.6	754.5	197.4	271
8635.7	1650.2	3522.2	3677.7	2206.2	2196.4	660.2	288.1	1329.3	797.2	8.7	1107.6	538.3	276.9
7215.1	1700.3	4105.7	3492.3	1808.2	3858.4	797.2	321.6	1012	339.2	22.9	911.3	239.2	263.6
12280.3	4830.4	6321.7	3955.8	2080.6	3806.6	441.4	116.9	521.6	108.2	17	1244.8	139.1	228.6
9548.9	3507.8	4396.8	5097.5	3474.6	4273.6	584.7	233.1	414.4	339.5	25	840.2	564.7	148.9
8790.5	2562.7	5458	3740.9	3380.4	3374.2	767.4	66.7	313.5	69.1	16.1	677.9	407.6	323.2
7301.8	2343.2	3442.3	3952.4	1556.3	2201	534.8	276.4	1369.1	666.1	15	432.5	247	200.1
7968.5	2748	5716.7	2785.8	1610.7	4039.3	880.7	31.2	466.2	122.9	34.7	927.6	301.3	178.1
4756.8	1012	3606.9	3036	1212.2	2278.5	672.7	224.7	879.6	157.8	26.7	671.3	72.1	313.3
11969.6	2344.9	4806.5	4865	2275.4	3385	1620.2	94.2	821.2	1443.8	16	1039	574.9	198.4
7599.7	1267.4	3411.8	3408	1167	2014.3	1350.5	515.3	381.4	180.8	27.3	2019.5	256.9	294.9
7670.8	2069.1	4430.6	2985.4	2055	3115.9	403.2	246.8	199	59.5	24.1	1077	77.2	211.8
9496.3	1101.6	4866.1	2778.7	1764.7	2384.5	594	87.9	281.6	124.1	30.5	889.5	191.2	345.6
7331.3	2921.3	4326.2	4148.2	2256.1	5080.4	543	122.4	483.6	104.5	15.5	920.7	228.1	124.8
11255.1	2604.2	3773.9	2972.2	1945.6	2622.1	695.3	180	839.4	594.9	14.9	904	455.6	147.4

SERBP1	SLC43A3	BAX	CALD1	COL5A3	HOXA11	NGFB	PDGFA	RAB6B	RASL12	SGK2	TGFB111	DTNB	HLA-DQB1
1622.4	144.2	114.1	285.2	606.4	179.1	71.7	1131	385.6	477.6	348.5	1203.9	91.2	868.3
1140.7	124.6	58.7	171	431.4	210.6	14.4	503.3	259.7	461.9	259.7	1073.7	16.2	662.6
2606.6	148.8	123.8	183	609.2	56.9	71	394.2	256.7	492.4	275.4	1282.7	12.9	1937.7
1334.6	120.5	23.2	245	694.1	133	81.3	674.3	302.5	491	224.1	1061.9	64.5	1498.3
1797.4	117.1	41.6	443.1	831.5	177.7	105.9	458.1	256	264.2	198.6	1441.7	28.6	4340
1065.6	155.7	11.4	310.7	841.6	58.9	17.4	676.1	277.6	446.9	188	1501.6	38.8	2825.4
1260.1	174.9	157.8	320.9	923.6	53.3	90.2	772.4	452.7	530.7	197.1	1095.4	21	1756.7
2344.6	329.2	19.5	209.3	627.5	230.1	91	421.5	441.3	296	323.4	849.4	15.5	9067.5
938	107.7	31.8	206.5	670	195	78.3	195.2	263.5	382.4	240.7	701.2	6.5	742.7
1495.3	292.2	25.8	265.9	594	185.7	62.2	347.3	388.1	606.4	351.1	1114.6	66	2359
1458.8	61.7	16.6	171.5	372.3	66.9	39.8	241.5	176.4	407.3	206.5	1081.6	17.8	3760.4
2297.7	154.8	101.9	195	674	174.1	161.4	381.7	245.2	263.4	161.2	985.3	12.8	2143
1919.9	211.3	24.8	185.1	435.3	153.3	27.4	253.8	300.8	405.7	259.6	686.6	16.1	1878
1461.2	150.8	39.5	222.5	1337.3	237	93	352.8	418.3	378.2	278.9	1047.7	23.5	4223.8
1052.3	191.5	52.3	287.5	742.2	295.7	124.5	423.1	320.5	496.3	265.8	840.6	99.8	4345.8
2669.9	152.8	33.6	296.1	1249	205.4	167.9	450.6	367.1	480.8	199.7	2950.4	39	831.9
1903.6	181.5	82	144.4	473.7	101.1	88.3	539.6	364.4	370.9	306	1020.7	82.1	1048.8
1958.1	148.5	50.6	155.7	539.3	176.9	67.8	248.1	263.7	368.9	154.1	1117.8	111.3	5665
1628.6	157.4	17	151.9	757	127.9	55.7	396	338.3	385.2	337.8	1284.2	96.3	3584.5
1655.7	110.4	13.4	131.3	234.8	106.4	13.5	442.9	228	442.1	245.8	876.2	10.3	1150.9
1408.1	121	28.4	352.7	1314.2	173.1	43.1	416.4	224.6	442.7	256.9	1113.5	106.9	2550.7
1191.7	86.1	98.1	71.8	493.3	31.9	33.8	195	221.9	296.5	178.3	353.4	32.3	605.3
2270.9	102.9	13.2	283.5	868.1	179.2	85.8	422.8	179.4	265.9	197.7	1344.2	6.6	459.4
1380.8	135.8	26.9	183.6	530.4	233.8	29.6	349.8	275.5	243.5	212.2	753.7	110.6	1356
3130.2	54.2	11	162.5	704.9	127	32.8	267.5	299.9	303	210.7	738.3	61.8	1078.2
1403.2	91.2	22.1	137.8	399.5	77.9	18.8	242.9	235.7	407.5	298.1	618.4	8.5	5725.7
1355.8	196.2	10.3	150.1	719	102.6	93.6	272	165.8	275.5	245.5	1005.9	188.7	1657.2
938.8	227	30.8	215.4	807	50.3	68.4	441.8	363.9	581.5	253.3	571	14.9	2087
2010.6	281.2	145.8	228.5	500.5	150.7	31.6	771.5	483.5	539.7	260.7	925.2	54.7	1652.4
1046.7	185.7	35.7	247.5	592.7	198.9	134	538.1	468.3	494.7	406.3	964.7	11.1	3423.9
1707.6	259.5	34.9	214.5	1031.2	268	93.8	513.5	372.8	377.2	237.7	1139	22.9	4897.1
1015.7	264.2	99.4	348.3	1018.4	227.1	29.8	490.8	245.3	264.9	249.7	1557.3	7.1	3151.2
1294.8	326.2	97	301.5	914.7	103.8	129.2	374.7	221	317.3	204.7	951.4	35.5	985.5
1286.2	62	29	174.5	634.5	124.9	46	287.7	193.4	408.2	213.4	1075.9	108.4	1175.7
2998.6	66.1	20.2	112.6	777.3	221.9	115.4	338.4	269.2	269.8	235.7	689.2	35.7	1446.7
2201.1	260.4	65.5	192.4	701.5	267.7	90.6	472.7	193.5	420.6	260.5	998.5	79.1	3506.5
2378.5	158.3	119.8	119.6	394.6	52	91.3	478.6	314.3	248.6	178.6	478.1	63	1888.2
1194.8	83.3	92.1	191.4	696	44.1	74.9	310	310.5	348.5	325.8	812.1	21	1997.9
1362.2	200.6	19.3	220	793.2	260.1	117.3	439	347.6	480.9	362.4	854.3	133.8	4302.9

1631.9	233.7	111.1	166.8	623	147.2	41.1	372.9	331.1	396.1	305.7	1195.1	20.5	522.3
2063.9	72.2	14.1	142.8	675.3	230.8	78.8	383.1	305.3	230.4	199.7	727.1	14.2	607
718.1	139.2	47	191.7	551.9	99	26.9	422.1	230	429.8	241.3	684	70.4	2512.5
3369.1	155.9	35.3	264.1	856.7	152.2	119.8	324.7	348.3	324.3	280.6	998.2	16.1	972.2
2136.3	151.9	24.2	172.8	309.5	83.8	19.6	268.4	119.7	210.8	293.1	436.6	94.7	6384
1911.7	342.4	27.1	232.1	699.1	264.4	89.4	488.1	342.5	341.4	235.1	1155.2	71.2	1525.1
1169.7	80.4	21.7	165.8	330.5	464.7	27.5	216.7	453.9	420.4	455.5	568.9	23.8	801.2
1807.6	241.9	31.8	165.3	920.3	166.9	17.5	444.3	350.4	258.7	321.4	786.5	59.2	1151
1803.3	118.6	25.9	248.6	807.3	167.4	102.6	365.9	365.8	330.3	200.7	577.3	49	1936.1
1620.9	58.5	152.9	212.6	436	162.5	73.7	430.9	466.2	359.2	179.5	696.9	92.8	1150.7
2088.5	248.1	15.5	330.8	914.2	190.3	155.4	556.2	305.7	275.2	279.1	1203.4	16.7	4261.1
1308.8	136.4	25.2	124.9	829.9	76.2	113	206.3	228.6	181	333.3	592.9	57.4	2494.7
1806.1	301.2	80.8	291.1	523.2	82.3	35.9	283.2	289.5	430.5	284.2	1087.8	21.2	2648.4
1730.3	195.2	57.7	234.3	559.6	54.3	41	588.4	404.5	311.7	250.2	594.6	6.5	1125.3
1540.7	253.1	65.5	89.1	304.2	180.7	27.7	244.2	334.5	175.4	155.5	579	10.8	4519.4
1520.3	148.9	48.3	212.3	486.8	84.4	62.9	220.6	373.6	307.7	336.4	967.2	52.5	2211.5
1713.8	95	9.5	159.6	326.3	196.2	94.7	317.2	306.4	208.5	279	645.4	18.6	1189.2
1107.2	155.3	16.3	324.9	501.6	371.6	159.9	514	346.5	331.8	592.5	916.9	9.9	1215
1832.4	227.9	28.3	172	703.7	188.5	34.4	601.9	359.4	435	192.2	1069.4	111.1	2374
2014.5	190.1	30.8	94.3	223.2	125.5	14.3	422.2	222.3	224.7	164.5	167.8	16.6	1749.9
1643	161.1	24	110.4	385	111.6	86.2	294.9	146.9	185.2	199.9	461.5	19	828.8
1646.6	161.7	12.3	139.7	373.3	98.7	56.5	305.2	352.9	433.1	274	636.5	87.8	1250.2
764.8	149.5	22.3	230.8	461.5	83.4	13	350.3	212.9	237.2	163.1	716.3	8.2	546.6
1239.5	121.2	26	104.1	372.4	111.5	29.1	510.6	252.7	288.9	292.3	256.1	29.2	1096.8
1523.8	140.1	34.1	158.8	1093.1	36	49.4	230.6	259.4	309.1	377	526.9	44.7	1038.6
2241.9	234.1	29.4	126.9	313.8	66.1	35.9	306.1	427	338.7	110.7	367.2	181.6	1480.6
1840.1	222.2	94.7	135.2	548.4	165.2	42	366.8	209.3	204.4	280.7	690.6	23.5	4578.4
1778.2	312.6	90.9	231.9	586	97.2	25.8	275.8	364.6	294.3	246.2	472.4	87.9	5022.9
1100.9	152.1	21.7	174.5	658.2	103.8	47.1	422.7	408.6	416.3	330.9	481.5	24.5	2430.6
1036.5	44.4	34	125.4	500.5	185.6	141	199.1	454.7	204.6	441.1	533.3	81.6	1464.4
1020.7	185.1	32.7	191.4	705.3	179.3	130.6	282.8	337.5	355.2	218.4	570.4	127.1	6024.1
2697	155.3	29.2	108.7	420.8	193.2	157.9	623.5	401.2	337	307.8	477.1	66.4	1222.1
2118.2	296.8	88.7	114.6	572.7	117.9	75.9	568.8	218	341.4	382.6	590.3	35.7	685.4
1909.7	115.1	47.2	109.7	646.9	138.7	85.7	431.2	242	352.8	269.6	638.7	42	844.3
1630.1	169.6	98.7	140.7	388.6	153.6	104	341.9	365.8	310	222.4	683	35.3	944.5
922.6	311.9	134.1	111.9	335.5	191.3	28.4	381.3	376.4	206.2	149.1	487.8	12.1	408.3
1479.9	246	72.9	145.2	289.3	170.8	42.7	439.8	459.2	302.5	250.8	551.3	24.2	2931.5
1025	67.4	55.8	123.3	260.7	229.1	35	254.7	273	112.3	414.2	170.4	7.6	769.8
2324.6	112.9	46.7	159.9	769.3	85.8	44.5	257.8	253.7	209.2	290.3	1280.9	9.2	1343.1
2037.6	238	25.8	134.9	383.1	153.2	51.2	404.2	179.4	222.2	364.2	390.5	17.2	1520.6
1520.1	17.6	102.5	323	715.1	214.8	187	441.1	566.2	368.6	257.7	549.5	18.5	773.1
1374.3	304.4	34.2	300.3	1100.9	69.8	47.8	433.5	284	235.2	269.4	737	20	1248.3
1793.7	83.6	116.8	314.2	605.8	55.9	45.7	301.2	435.2	421.3	168	741.9	57.5	1243.7
1950.3	154.6	116.4	207.9	419.5	74.6	37.4	259.9	359.8	372.6	455.1	334.3	399.8	3334.2
1294.9	231.1	57.3	220.6	366.1	42.1	23.9	369.1	255.7	267.5	205.8	563.1	40.7	1303.8
1207.5	91.4	30.9	161.9	649.4	122.5	158.4	184.1	195.8	311	407.8	571.2	13.8	1520.4
1809.2	103.9	85.7	165.6	346	162.3	112.6	258.3	304.9	236.3	258	437.6	113.4	1994.3
2110	145.8	93.4	307.9	1069.2	283.9	54.1	370.6	563.4	356.5	410.2	874.6	27.1	1571.2
1353	276.3	48.7	158	662.6	96.4	42.5	491.6	417.8	360.8	332.4	838.4	13	3943.2
698.6	15.4	31.5	156.3	461.9	102.3	57.6	294.3	430.2	270	471.4	560.8	8.8	962.2
1203.9	128.1	78.1	177.9	620.9	243.2	32	310.7	351.4	346	247.7	1008	64	1293.6

2171.5	106.5	14.5	115.3	551.1	134.8	32.5	380.4	367.4	270.7	291.9	574.9	19.3	1843.6
1309.2	182.7	63	117.2	491.1	142.1	85.7	399.4	399.3	290.1	301.7	519.5	15.1	2071.5
2048.1	53.5	81.6	48.1	611.1	65	35.9	345.8	209.9	270.2	214.4	523.5	8.7	1535.4
2020.1	140.8	10.3	75.1	442.7	105.9	82.6	340.3	306.7	220.1	213.6	505.1	42.2	1991.6
1365	91.4	57.8	178.9	584.5	190.3	28	359.1	491.1	216.7	338.2	930.8	79.5	3137.6
1090.7	20.2	26.4	78	386.6	32.4	28.9	32.5	343.3	276.4	196	276.1	9.4	514.9
867.5	32.7	26.5	74.7	495.1	36.9	61.9	507.3	279.3	338.9	352.6	824	8.2	581.1
1011.9	131.7	35.7	207.1	936.5	61.3	110	274.6	375.9	250	245	602.3	23.9	1416.3
921	52.8	82.8	315.1	453.4	363.9	185.9	448.6	427.2	427	462.2	687.2	13.7	451
609.5	145.7	70.9	226.8	1086.6	187.8	52.8	357.8	412.1	298.5	278.9	1269.2	19.8	952.9
793.9	93.7	33.2	146.8	609.8	217.7	10.8	401	427.7	249.7	522.1	662.7	78.6	2407.4
1450.8	157.6	52.3	237.1	396.3	41	165.6	454.5	467.9	428.5	267.2	805.2	78.8	1524.3
1421.5	69.2	27.6	141.3	400.4	47.2	118	388	300.5	203.4	194.7	679.8	11.9	714.4
1113.8	79.3	18.4	117.2	297.8	129.7	62.7	310.1	395.1	266.1	200.7	306.1	14.3	694
899.2	16.2	125.5	332.5	1287.9	76.6	123.2	287.4	316.8	294.1	219.8	1212	6.7	1997.3
3021.6	55.6	79.2	60.8	326.7	195.2	54.6	153.4	238.6	268.3	227.1	485	66.9	387.3
2240.1	156.6	125.6	224.4	487.8	236	47.9	645.9	609.5	272.2	372.9	1173	106.2	1077.7
1294	161.1	135.5	119.8	611.5	212.2	42.3	250.6	278.9	272.9	243.6	783.7	27.9	1549.7
1110	43.3	112.7	183	724.1	204.8	79.7	561.5	216.4	428.9	219.8	1165.8	109	2099.5
1642	105	13.4	203.8	458.3	236.5	125.6	676.3	332.1	524	247.6	1260.3	196.3	3227.2
1284.4	134.1	40.7	135.6	378.4	173.2	97.8	297.3	232.2	213.7	138.1	575.9	244.3	1443.1
1445.3	32.9	57.2	137	637.5	166.6	90.2	325.3	185.4	425.1	149.7	896	49.4	1552.5
1528.1	109.1	156	149.3	461.7	264.4	58.8	328.1	328.3	390	604	1227.3	30.9	2882.6
1148.3	27.6	45.9	136.5	651.6	222.4	23.1	508.2	289.1	458.4	221.3	777.9	13	1462.6
679.5	3.7	77.8	175.8	468.5	200.5	69.9	429.6	318.5	358.6	193.2	609.2	35.5	1597.8
989.5	11.1	57.5	168.8	1031.9	200.4	87.1	367.7	327.7	352.4	199.2	1034.7	8.5	851.2
2286.7	31.7	49.2	206	564.1	143.1	39.5	254.8	243.5	270.1	162.7	633.1	9	1044.5
1694.1	91.3	108.8	143.4	732.9	345.5	44.1	354.9	301.8	335.7	290.5	1499.3	7.8	3665.4
990.4	22.3	84.8	167	404.8	100.8	24.1	381.1	308	425.7	321.6	688.8	19.5	2108.7
1148.7	136.1	172.5	369.5	795.8	321.1	38.4	545.1	693.5	530.5	300.3	1188.6	94.4	2162.7
1675	80.8	33.5	114.7	643	199.9	21.1	210.2	257.4	287.4	284.9	528.7	27.3	1163.6
1468.8	156.2	49.4	157.9	511.1	41.5	67.8	219.1	343.7	220.5	221.3	582.3	64.5	2115.6
794.5	97.4	96.8	143.2	287.7	81.2	145.7	323.3	466.1	431	216.1	634.6	31.7	2483.6
1030.2	71.9	221.3	159.5	694.7	154.2	84.6	238.8	199.2	300.9	70.3	901.8	59.7	1867.8
2787.4	35.1	292.7	195.4	1279	596.4	41.1	510.1	537.8	383.3	390.3	1827.4	56.5	2709.1
2303.2	136.8	238.5	229.3	746.3	133.2	79.7	361.2	332.7	387.5	315.3	742.5	66.3	594.3
2252.8	82.2	165.5	212.5	695.1	227.5	100.3	542.7	418.4	467	434.5	1091.8	87	3005.4
778	106.6	44.9	123.6	495.4	125.7	68.1	297.9	356.8	311.4	85.1	695.3	9.6	982.9
995.1	103.5	33.5	198.7	578.5	266	65.4	354.3	466.8	243.2	161.9	560.8	105.2	2342.2
984.8	73.9	100	193	815.4	234.1	114.5	340.6	399.4	307.6	318.7	1281	29.7	660.6
2141.8	70.1	73.3	230.1	523.4	71.4	57.2	537.3	394.4	569.8	294.9	1186	99.3	1011.1
1607	89.6	37.2	102.2	439.9	320.9	50.3	333.8	441.4	434.2	428	960.7	362.1	745
1655.8	64.9	140.7	164.7	668.5	139	67.4	465.6	192.4	440.7	321.4	709.8	12.1	713.2
832.2	40	52.6	213.7	887.6	162.2	24.7	416.4	390.5	287.5	220.4	988.9	6.3	598.7
1203.2	68.2	127.4	140.3	488.2	253.3	69.2	480.9	435.6	400.1	265.9	1005.1	22.4	2758.5
1249.4	16.7	93.5	104.2	472	133.8	46.8	230.4	274	302.6	218.7	717.1	167.2	752.2
1211.1	52.4	30.5	74.4	168.5	130.7	106.9	387.6	321.5	417.2	199	660.3	15.3	749.5
1098.6	72.1	85.9	232.3	524.2	365.9	110.4	387.6	429.1	485.1	395.1	872.6	19	905.8
2100.1	93.3	51.7	189.6	742.8	205.5	22.7	656.7	339.7	346.6	233.1	1476.4	61.2	2028.8
1326.2	71.7	46.4	88.7	270	42.4	46.1	223.7	383.8	236.6	197	526.8	6.9	1280.7
1810.4	8.6	36.5	62.3	473.1	183.2	32.4	232	225.6	372.2	243.9	915	193.5	2607.2

1765.3	25.4	29.7	152.5	1289.9	273.1	90	218.7	351.2	330.1	423.6	1235.2	37.7	892.7
1221.1	29	35.7	199.1	1660.7	423.6	47.2	199.9	363.4	335.5	332.5	2076.3	68.4	521.9
1442.3	106.5	87	295.8	629.3	115.6	50.4	437.1	284	431	285.6	1047.4	9.2	1035.8
993.2	36.1	25.3	331.1	873	183.3	124.2	401.6	264.4	326.8	288.5	1096.5	53.9	4504.4
698.6	14	18	150.2	689.9	262.2	105.3	389.2	198.6	296.9	250.2	1472.3	81.4	756.9
1773.3	226.9	29.7	258.2	479.2	199.4	32.6	301.2	380.1	477.1	242.4	509.2	18.4	5700.3
1870.5	165.8	62	183.3	441.7	98.5	45.8	346.1	326.4	58.4	352.1	549.7	27.8	565.3
975	206.9	81.7	164.5	614.5	207.2	30.7	475.7	221.7	359.1	359.8	997.4	14.8	2023.3
1032.8	98	26.9	68.8	297.4	20.7	24.4	189.5	318	281.5	222.2	561.8	11.2	597.7
1479.9	32.9	87.6	92.2	716.8	62.5	68.7	244.7	324.7	297.1	402	852.2	72	1435.7
1650.3	146.7	40.7	148	524.9	71.3	135	258.4	431.6	306.1	473.4	490	64.8	682
2090.8	70.5	39.7	160.8	607	128.1	73.6	294.4	279.1	287.2	277.5	537	9.1	840
1641.1	98	11	116.9	363.9	157	22.2	170.3	210.1	201.1	373.5	532.7	87	444.1
907.6	75.1	83.3	139.9	295.3	159.1	34.9	343.5	391.5	512.4	496.3	992.1	200.5	2752.5
1268.6	96.4	141.3	261.7	1171.6	291.1	228.4	571.4	384.1	549.5	296.9	881.2	16	1091.7
1330.7	108.9	26.7	222.6	1372.4	581.2	45.8	613	584.2	354.3	442.7	1273.9	15.6	1190.5
1593.6	83.7	11.3	151	614.9	135.6	30	297.1	448.2	195.8	278.6	630.3	91.5	1152.4
1953.5	44.5	115.2	171.9	526.3	129.9	58.6	362.9	381.1	358.9	245.8	608.5	10.5	640.3
1558.7	87.9	85.7	189	392.9	159.7	98.1	409.8	352.2	414.2	199.3	715	91.1	2457.2
1354.5	81.9	16.9	118.1	530.5	135.6	20.1	256.6	258.4	270.4	207.7	628.8	36.9	3898.8
1953.4	33.3	43	46.4	315	44.9	56	252.9	208.8	314.8	304.4	648.2	73.4	2346.7
1195.3	24.1	27.6	158.8	1199.6	134.3	52.9	347.9	306.6	248.4	256.8	1079	105.2	1233
1564.3	114.3	13.5	224.1	742.2	229.7	227	335.9	275.9	489.2	209.7	710	253.3	1246.3
2452.7	20.5	22.4	168.8	1426.9	309.7	72.5	573.2	407.1	383	222.6	2203.1	37.1	638.9
2040.1	89.5	35.2	382.8	440	167.7	28.9	730.4	568.9	495.8	206.5	1159.8	48.9	1334.2
925.9	119.1	93.4	187.1	750.5	288.4	40.3	226.4	428.3	378.4	420	900.5	156.1	3013.4
1757.7	148.7	34.6	283.6	862.1	179.1	82.6	454.7	334.5	376.3	257.2	1062.1	26.6	2626.8
1028.8	65.5	81.8	377.4	785.6	212.9	72.5	632.8	448.4	709.9	494	924.1	113.3	616.9
1221.5	111	100.3	199.9	733.8	78.5	70.9	331.6	317.9	279.8	323.9	748.7	22.1	1372.1
1481.8	168.7	10.9	141.3	280.4	121	93.6	359.7	315.1	333.7	308.4	608	151.9	1929.4
2411.2	740.9	23.8	107.2	443.8	38.2	79	491.5	544.5	25.1	250	349.8	107.2	639.8
3427.5	592.1	20.2	210.5	411.4	147.6	37	232.7	396.6	272.2	127.9	551.4	339.7	6588.2
2887.5	1150.5	17.2	131.3	371.6	42.5	50.1	416.1	309.6	160.7	245	381	3	2266.4
2890	582.1	23.7	109.3	520.2	71	55	182.6	277	219.3	183.5	594.5	64.9	8390.7
3317.9	366.7	18.1	118.5	410.2	115	17.7	211.6	148.5	324.4	157.1	479.1	324	875.8
4733.2	334.3	21.7	75	456.3	83.2	30.7	209.9	181.8	343.8	422.9	325.1	40.1	1889.9
4632	540.7	74.8	202.2	378.7	80.1	15	161.5	183.9	202.1	180.2	443.3	205.9	1008.9
3852	468.6	21.2	340.5	606.6	71.8	33.1	354.7	155.6	200.6	125	592.4	152.8	603.1
5048.7	518.1	53	178.8	228.6	106.3	30.9	148.8	266.5	269.2	161.8	364.4	79.1	3391.8
3634.3	410.7	16	191.8	618.3	74.7	42.7	246.4	248.6	295.6	205.8	470.5	60.6	1472.7
2896.9	136.2	27.2	194.7	321.9	40.5	84.5	256.4	449.2	239.2	89.7	783.9	301.7	1499.1
4515	242	22	91.9	311.7	126.5	52.8	109.1	223.5	233.5	124.8	396.4	7	565.5
2078.9	207.4	103.9	202.8	328.9	40.3	26.9	253.9	224.7	214.5	231	582.5	208.8	5450.7
1807.9	529.2	29	439.3	528.6	183.5	56.6	755.1	291.7	287.9	294.5	901	151.6	3399.8
3551.1	290.4	46.2	81.3	373.1	124.3	28.3	349.9	356.2	188.1	191.8	302.2	100	5312
1944.3	343.1	65.3	182.9	536.5	217.7	39.6	367.5	427.3	307.2	314.5	351.6	25.3	3322.2
6500.2	47.2	129.6	127	602.1	265.4	37.2	240.5	330.2	417.1	343.4	748.8	165.5	1153.2
2525.6	26.6	100.9	164	392.4	224.5	76.8	535	254.5	242.6	226.4	822	110.5	1525.8
3794.9	234.8	100.1	276.6	390.6	46.3	231.6	1777.7	409.2	484.3	386.8	712.7	10.4	769.6
947.7	179.3	133.5	437.3	658.1	433	27.6	732.5	624.4	950.8	526.5	1015.7	113	2022.3
2073.3	146.8	108.3	181.6	857.2	204.7	116.5	342.4	609.5	587	190.2	1261.2	13.9	1755

1677.7	154.7	105.2	517.2	1284.1	298.4	149.1	520.4	207.1	473.8	338.1	2495.9	62.9	3125.1
5091.6	81.7	197.3	334.1	615.2	417.9	94.2	515.2	762.2	963.2	549.5	472.5	304.1	1065.3
4439.6	113.3	90.8	278.9	1646.9	468.8	58	566.4	511.7	351	427.3	1597.1	25.4	592
2985.9	158.5	23.4	545.6	979	240.6	140.4	2763.7	294.6	368	274.4	1365.8	93.1	1700.2
3214.4	165.1	51.8	510	981.8	272	126.1	396.7	290.9	296.5	264.6	2399.9	6.7	3332.9
3940	55.9	183.7	273.6	674.1	1206.8	51	373.9	283.5	503	356.8	1034.5	187.6	481.2
2237.7	200.3	21.3	639	2251	133	199.7	2856.7	253.8	345.1	237.8	2732.7	76.2	3815
2146.6	180.3	55.5	283.8	1180	128.6	140.1	485.6	645.8	278.3	268.8	1120.3	49.6	399.5
2617.9	175.8	38	323.6	470.3	518.1	22.7	366	540.1	257.2	325.7	1450.2	30.1	2124.7
2600.4	263	331.4	479.4	1805.5	210.5	191.8	324.1	926.1	510.7	373.9	1403	88.8	1216.3
3240.2	112.7	69.2	166.6	1099.4	266.6	135.2	1066.7	329.3	963.1	433.2	913.6	80.8	1512.3
1745.1	62.5	193.7	474	448.4	268.5	96.4	449.5	608.8	422.7	389.9	708	83.2	2081
3378.5	287.1	34.9	189.6	438	636.7	93.5	434	922.9	529.3	452.2	478	74.9	1382.9
1634.5	407.6	94.7	469.3	884	94.8	203.1	548.4	469.1	417.2	331.3	945.2	38.3	789.7
2281.1	413.8	221.6	399.5	713.2	107	218.4	615.4	710.9	388.1	303.8	948.6	17	1666.2
1546.6	55.2	95.6	732	1060.4	125.1	118.8	640.5	817.2	1013	424.5	1270.3	26.7	477.5
2269.6	132.5	86.1	151.4	369	318	56.8	339.4	337.9	393	208.2	217.9	310.3	2156.7
3244.2	414	24.1	128.9	427.3	382.1	32.7	574.1	505	145	248.3	343.6	42.5	1045.1
3459	165.4	32	176.1	462.4	446.3	155.9	701.6	627.4	206.3	360.9	496.2	119.3	743
2722.1	218.6	55.2	121.6	362.3	26.3	55.5	205.5	260.6	252.2	128.3	531.6	115.8	1530.7
1291	99.6	20.6	182.4	537.3	94.8	33.5	295.9	270	341.9	192.5	567.7	56.5	4378.8
4930.4	330.2	103.7	163.8	538.5	1192.2	41.1	361	650.6	987.9	320.6	157.9	179	1079.3
3338.6	64.1	56.5	186.4	501	41.7	33.8	304.2	368.3	380.7	211.3	379.6	209.7	2027.9
2630.4	109.2	102	135	239.7	64	36.4	207.6	202.8	409.7	117.6	452	190.2	7114.2
1312.7	160.8	95.3	197.8	558.1	154.1	166.3	284.7	401.1	385.4	320.9	424.7	250.1	5493.8
1819.3	140.6	53	313.7	541.4	203.7	28.7	464	501.5	279.9	320.4	1057.1	32.3	5375.9
1062.4	291.9	105.9	244.4	534.6	144.5	20.4	446.8	484	337.3	345.5	565.9	34.5	942.1
1891.3	154.2	135.2	321	655.2	299.6	185.3	427.8	461.6	415.3	295.5	1026.5	312.1	6451.1
3538	171.5	32.5	165.3	413.9	148.9	43.4	198.7	422.8	195.6	246.6	355.9	428.7	1811.4
3153.5	365.3	21.2	252.3	637.8	211.2	33.1	302.3	762.3	765.7	343.8	745.1	63.7	730.9
1919.7	358.9	19.3	107	847.8	146.9	105.9	288.9	284.7	266.1	308	1060.7	163.2	5263
2440.7	155.1	25.9	229.7	446.6	35.3	53.3	387	308.5	349.5	227.5	704.2	106.1	3316.5
3276.1	196.4	93	231.3	212.2	108.6	68.3	199.9	166.7	153	185.4	343	27.5	898.8
5247.2	25.8	20.4	140.2	408.3	478.9	104.7	248.8	388.1	230.5	330.3	487.1	16.5	4342.6
1947.7	197.8	90.6	605.4	386.5	82.2	36.6	307.7	580.7	562.2	374.8	488.3	153.8	2999.5
2104.3	257.1	32.3	313.1	594.1	176.2	51	592	412.5	459.6	415.3	864.8	192.6	2507.6
1403.4	61.7	174.7	201.3	298.1	71.3	68.8	265.2	374.4	603.5	191.9	676.3	1101.8	7248.3
4899.1	57.2	142.3	236.8	395.5	41.1	61.1	198.9	624.8	271.8	222.8	1007.4	45.6	630.4
1905.9	276.9	150.3	329.1	369.9	161.5	97.8	623.8	373.3	585.5	258.5	991.6	67.8	3737.5
1945.1	270.2	161.3	436.2	591.9	511.2	68.6	445.6	314.2	495.6	310.2	1125	85.5	2360
2845	104.9	154.5	195.6	525	134.6	92.3	585.3	683.7	340.1	240.3	899.5	16.1	1184
1073.4	166.7	123.1	143.8	305.2	172.1	48.5	301.3	343.4	472.2	253.4	544.3	755.9	3414
1563.3	360.8	65.4	125.6	332.9	121	16.3	458.7	439.3	348.5	192.6	538.8	160.4	5144.8
1816.1	152.6	12.8	136.3	330.3	36.5	97.3	260.2	428.2	345.6	286.2	373.5	180	6629.7
1501.8	49.4	152.3	106.6	368.5	169.4	99.3	236.7	356.1	353.2	270.6	479.8	279.6	3459.5
1414.5	223.9	43.5	197.1	434.9	99.7	21.6	363.1	492.2	596.4	170.7	519.5	283.3	7816
2098.6	63	85.8	138.3	387.4	159.2	73.4	120.8	257.7	290.4	172.5	666.4	33.7	6447.4
2099.7	94.6	27.1	171	385.6	62.1	31.6	258.8	243.3	341.4	337.7	624.1	48.5	4316.2
2006.8	198.4	146.1	180.3	450	84.9	54.5	314.7	173.5	448.3	238.5	697	275.6	3550.9
1801.5	109.5	132.6	126.6	366.7	194.4	38.2	260.7	238.7	246.1	297.1	386.6	73.5	5927.6
1421.3	24.7	45.5	183.9	614.6	48.4	128	202.1	298.6	462.7	233.4	598.1	7.6	5367.9

1315.9	216.7	55.6	198.1	561.4	173	73.7	372.2	446.7	417.5	316	691.9	95.3	5846.2
1735.2	153.1	53.7	96.5	463.5	49	33.4	327.5	332.8	196.8	194.5	673.6	18.1	3951.4
1980.6	166.2	61.7	99.2	333.1	87.1	66.7	199	213.2	366.4	105.2	379.4	280	11317.9
1570.7	149.9	60.9	161.4	341.9	197.7	148.3	352.7	293.6	487.7	271.4	843.4	207.9	8425.3
1932.2	142.7	96	189.8	249.4	196.2	108.9	201.8	387.8	346	365.9	468.2	106.1	3856.1
1588.5	164.2	151.9	243.5	821.5	163.9	24.8	524.9	479.6	420.4	299.4	1943.7	25.4	2357.8
2152.5	105.2	67.6	203.4	563.7	87.7	19.2	284.2	203.6	235.8	136.4	549.2	29.2	1813.9
1303.6	26.7	28.4	237.5	350.5	123.6	64	721.6	337.1	459.7	265.2	891.2	15.9	1508.1
1176	144.5	26.1	177.6	515	88.3	36.7	191.2	392.9	263.1	205.2	642.4	19.2	1085.4
2216.8	216.7	53.9	261	779.9	198.8	48.3	361	405.3	234.8	329	955.2	73.4	3108.7
2394.1	77.5	81.7	97.6	469.6	112.6	65.7	121.2	364.4	262.7	275	920.1	8.5	360.3
2211.8	111.8	97.1	153.4	1035.4	191.1	97.7	320.9	299	294.9	293.7	1453.3	13.6	2950.8
3073.2	150.2	14.8	139.6	267.5	230.7	21.1	383.1	248.8	247.1	181.2	457.9	10	793.1
1566.9	145.6	47.9	161.2	782.2	305.5	91.2	317.3	305.8	255.1	100.7	846.9	52.9	3240.3
1856.4	37.3	48.2	166.2	534	395.5	100.2	222	406.1	336.7	143.8	970.1	3.8	3133.4
1779.7	133.4	20.6	116.6	344.4	328.4	90.7	288.3	319.8	221.7	171.1	655.2	15.6	1698.4
1092.7	148.3	24.5	228.7	446.8	113.1	54.2	392.5	269.5	322.3	320.3	717.3	23.4	562
1073.7	38.2	105	413.1	986.7	243.5	43.8	421.6	303.7	310.8	64.7	1861.1	15.9	508.7
2115.8	89.9	100.8	128.7	618.3	99.5	80	282	255.4	278.2	121.4	875.6	87.3	2856.5
1622.1	198.3	38.4	224.8	553.2	249.2	122.6	366.2	269	323.9	316.8	632.7	12.1	1080.3
1159.1	42.9	22.7	158.6	813.2	121	109.6	398.2	423.1	316.6	292	955.9	9.2	983.3
1992.8	88.3	54.9	68.2	367.9	157.6	23.8	869.2	335.5	211.7	167.8	437.3	14.2	862.7
4309.3	183.7	71.1	184.9	321.5	223.5	41.8	202.4	418.5	136.6	302.2	370.6	595.8	2939.6
1342	33.1	67.5	244.4	648.1	60.2	71.3	318.1	204.9	366.2	133.5	831.8	84.1	818.9
1070.4	54.5	148.7	257.4	752.4	169	131	289.4	464.1	356	350.5	642.4	21.5	2027.6
2125.3	229.9	24	245.9	745.8	82.2	47.5	264	332.3	356.2	219.9	910.2	25.8	3386.2
1869.2	56	39.8	110	423.8	39.9	30.9	231.7	497	279.5	260.8	541.8	249.7	1975.4
1877.5	121.8	37.5	130.4	448.7	34.3	33.5	191.5	444.9	242.3	148.8	543.9	245.5	1372.3
1046.7	82.4	37.2	136.7	593.9	259.9	226.5	383.6	278.1	359.4	480.3	801.2	94.3	594
1529.6	185.7	43.6	217.1	379.6	213.4	22.9	379.8	175.1	267.2	135.5	751.6	70.1	884.6
1846	92	97.8	179.9	474.6	202.1	115.2	213.6	310.2	259.5	149.6	628.2	70.3	1222
1612.8	4.9	73.4	180.8	402.1	125.4	86.9	272.7	296.8	399.1	328	534.3	78.4	2143.6
1004.7	22.1	119.7	170.2	648.2	64.2	18.9	439.6	203.3	422.1	123	1159.2	91.6	1245.5
1389.3	140.3	11.3	259.6	1133.9	194.3	52.4	424.5	458	547.1	382.7	1252.7	136.5	1216.8
1431.6	173.5	30.9	266.7	679	64.7	131.6	581.3	349.6	499.8	311.7	761.8	61.4	2961.2
1324.4	59.1	116.9	197.2	432.9	187.1	18.5	400.3	335.3	444.4	329.4	784	29.6	897.4
1569.8	141.5	25.4	276.4	474.9	332.2	76.9	368.7	501.4	274.8	212.3	610.8	142.7	1486
1283.4	89.3	48.2	134.4	463	171.2	80	484	262.7	340.2	187.6	480.1	166.9	4257.7
1150.9	175.5	39.5	107.1	376.9	94.2	45.9	262.6	399.2	346.8	345.7	431.1	20.5	637.8
824.3	104.5	148.9	147.3	528.1	161.9	23.3	418.3	411.9	475.7	325.5	1011.2	16.3	1614
1222	119.5	17.4	72.6	471.8	204.3	29.5	490.7	382	422.1	378.5	483.6	17.5	1590.2
761.5	34.9	79.4	200.5	650.2	134.5	22	411.7	254.5	245.9	196.8	835.5	62.4	2817.1
1502.4	92.7	22	142.7	285.6	214.6	75.6	455.6	345.1	289.9	337.9	469.3	50.8	1479.9

IGHM	IGKC	IGLC2	IL18RAP	LCK	TNFRSF17	TRBV19	XCL1 /// XCL	ACTN1	ATP6V1D	ITGB5	KCNS3	KRT10
1089.6	3495.3	56	58.6	149.6	117.4	630.2	60.6	3074.7	1220.8	1034.1	578.4	1569.2
3401.3	3826.3	52.9	27.1	69.8	142	828.7	61.3	2016.6	1183.4	804.8	612.5	1297.3
2345.7	4232.2	43	15	108.4	126.4	587.2	81	3577.7	1997.5	718.1	485.8	1389.9
1114.9	1925.5	53	67.1	63.9	14.7	509.8	9.1	2815.2	1310.9	1010.7	356	1194.2
1217.6	3068.6	36.4	103.7	255.5	71.7	1705.3	138	2892.3	807.5	926	699.9	1051.8
1634.7	6738.1	73.5	127.3	152.5	192.6	765.2	91.5	1768.6	1366	477	585	1189.5
529	2383.7	105.2	47.3	42.9	4.9	675.6	146.1	2774	818.8	1203.8	507	2862.6
5723	10609.6	12.5	195.5	459.4	40.4	1429	168.4	2518.5	1350.7	1730.6	952.3	897
1058.8	2058	36.2	115.3	143.2	75.1	513.8	10.2	2181.7	1557.8	1027	1487	1855.4
3035.6	2522.6	66	107.4	115.8	15.3	442.1	20.6	1819.3	1322.7	845.3	492.4	2043.5
1103.5	1101.2	20.5	89.3	65.1	47.9	376.6	33.5	1416.7	1285.1	813	1850.4	2780
2720.7	3794.7	45.3	72.2	134.1	13.3	480.8	11.6	2765.2	1594.9	1264.6	476.8	2323.6
13532	7042.2	63.8	32.9	321.5	69	1796.8	17.5	2177.7	1449.4	812	692.3	1919
606.8	1114.2	64.9	56.2	41.9	11.1	583.7	39.9	2843.9	1422.4	1088.7	1278.8	1515.2
3927.2	4059.4	53.4	40	57.4	12.6	743.1	120.4	2477	1217.4	1278.8	474.6	1357.4
340.5	1839	5.5	192.1	70.1	40.4	439.4	43.1	8370.3	977.6	342.3	978.4	1555.8
5465.7	5616.3	54.9	52.1	20.9	197.2	665.1	22.4	2431.9	1429	977.6	869.8	1658.1
3943.7	8074.1	70	173.2	231.9	173.3	1897.7	113.3	2258	773.6	611.2	385.6	1213.6
3211.7	6198.2	74.7	74.9	25.2	82.5	616.5	28.1	2334.4	1098.3	742.9	638.5	2083.6
4744.6	6520.8	91.8	75.6	74.2	272.5	308.4	80	2040.9	987.1	600.6	619.3	1600.5
1625.5	5103.9	55.5	150.2	383	81.4	1618.1	268	2822.3	1202.1	368.2	508.6	1379.2
1864.7	10893.7	46.7	86.6	106.7	172	458.6	48.2	892	1545.2	753	377.5	1680.8
1064.7	1747.4	47.1	70.4	44	37.8	612.6	90.4	2309.8	1615.4	668.8	2466.3	1115
14442.4	4530.8	62.1	101.6	307.8	75.7	2041.7	48.9	2241.8	1258.2	997.1	508.5	1821.2
945.8	6678.2	23.5	17.4	114.2	76.9	686.8	114.4	1574.1	903	791	577.9	1515.7
1697.6	1878.4	15.9	96.4	67.3	4.8	500.1	72.3	1472.2	1519.7	526	885.6	2339.9
11266.6	5484.5	40.9	21.1	274.5	191.8	1449.3	239	1699.3	1487.3	903.7	1499.1	3234.8
1936.4	3132.2	5.5	114	246.2	14.8	1095.3	55.8	720.7	835.6	907.1	427	2787.1
4376.3	7027.6	121	199.7	402.8	113.5	2249.9	90	2372.5	1357.8	354.1	573.4	1835
1646.6	2294.7	55.2	108.5	162.2	20.7	739.2	28.9	1633.9	1173.6	1337.9	520.6	1717.3
1704.6	3826.6	55	147.1	294.1	18.8	1912.1	27.8	4684.9	1645.9	896.9	548.2	1864.1
315.2	585.4	2.7	89.9	117	8	714.1	4.6	3943.3	1424.9	1009.4	770.9	1653.9
2370.5	12893.9	155.3	201.3	498.2	111.2	2039.8	143.7	2938.8	1336.1	903.1	265.4	2127.3
3672.1	5679	62.9	130.9	328.5	323.6	4005.3	683.2	1050.3	867.4	435.7	330.6	1612
8516.3	1855.9	6.5	147.9	109.8	105.2	593.1	17.6	1399.7	1414.4	834.3	528.6	2462.1
993.5	2924.9	10.2	59	206.3	21.8	1332.8	164.3	2667.4	1687.1	445.5	1386.7	1663
285.7	1096	21.3	41.4	36.6	35.6	513.5	17.1	1065.8	2210	998.6	1602.9	1033.5
539.5	1943.3	62.5	179.5	187.8	12.9	594.1	18.3	2381.8	1423.1	591.9	273.3	1500
12569.9	9237.4	6.2	119.5	177.8	126.4	925.3	98.1	2008.3	1448.6	997.2	959.9	2354

1619	3493.2	52.5	147.8	168.2	250.7	693.5	121.7	1921.7	1129.5	713.7	273.9	1397.3
200.1	701	18.8	72.5	25.2	6.6	374.4	11.3	2620.7	1124.5	1173.9	1146	1847.2
1908.8	4760.8	60.9	113.9	110.5	278.2	900	51	748.5	1297.7	832.3	881.8	2176.4
292.2	655.5	55	97	42.5	19	271.4	22.7	3089.6	1206.3	1057.7	613.9	2379.5
8291	19736.5	399.8	194.3	539	278.3	3559.8	479.2	1641.2	1600.4	814.4	1202.8	1230.1
2676.8	14961.8	26	44.8	110.4	14.5	539.6	26.3	3217.7	1353.4	698.8	428.2	1836.9
544.9	1880.6	25.1	172.1	52.5	12.5	636.1	20.2	983	1190.5	1448.6	533.7	1261.4
63.3	209.9	13.1	106.3	99.5	10.2	332	12.8	3813.3	1689	586.3	858.8	3553.3
244.5	407	5.9	112.7	140.1	5	600.1	8.9	4606	2008.6	469.1	725	2979.4
1027.9	2976.3	28.9	46.4	28	105.3	355.8	13.7	2304.2	1149.4	1617.8	641.6	1441.9
916	5089	21	17.6	206.6	13.4	852.4	12	4836.7	1339.9	1464.4	765.2	1361.6
169.3	328	45.7	94.5	25.7	7.7	476.6	8	1338.2	1858.7	965.6	4877.5	1179.7
1477.9	2834.2	15	54	84.4	18.2	636.5	21.4	2300.4	1602.9	872.6	478.7	1795.3
496.7	2598.2	59.6	109.2	42.4	11.3	516.6	88.9	2442.3	1630.4	500.8	586.1	890
269.7	647	2.7	90.7	65.7	10.5	431.5	26	1401.9	1550.9	837.8	1331.7	1001
843.9	4813	15.3	93.2	93	93.9	614	45.1	1745.3	1730.1	321.3	2100.9	1623
784.1	1563.6	53.7	27.3	52.9	7.2	443.6	6.3	1494.4	1894.8	1010.2	596.9	2616.8
304.1	1597.9	23.7	179.7	316.5	40.8	803.6	18.2	1808.7	1132.7	1230.1	1129.6	1989.4
2524.2	5686	29.3	49.4	292.6	93.7	959	15.3	2851.1	1549.7	844.1	649.5	1509.5
430.7	2756.2	38.4	57.5	28.6	14.1	251	13.4	1321.5	2477.2	848.9	623.3	1892
938.5	977.8	14.6	57.5	22.5	9.1	384	7.3	1101.9	1813.1	637	613.1	1927.6
1624.8	4379.8	15.5	123.6	293.6	80.3	1829.4	200.2	2474.5	1077.8	1993	663.7	1744.9
382.8	838.9	42.6	25	39.3	6.6	489.7	51.5	1207.2	1828.6	833.3	983.7	2661
172.2	235.6	7.9	169.8	31.1	5.2	430.9	19.1	1930.6	1374.9	830.7	2395.2	1544.3
96.9	855.9	9	30.5	43.2	9.9	492.9	21.7	1909.9	1085.3	578.7	831.7	2106.5
42073.3	30589.2	75.4	78	461.8	307.8	1828.7	152.3	2064.8	1062.9	2108.3	392.4	1085.4
1390.3	8661.6	61	97.4	98	76.5	588.7	7.6	2523.6	2276.4	999.9	719.1	1953.9
22804.7	13955.4	75.4	172.6	268.3	115.2	1363.4	15.6	2210.7	1679	788.3	349.2	3018.7
145.6	377.1	4.9	45.7	38.2	6.2	132.5	8.4	979.8	1377.7	1196	643.7	3215.1
64.5	397.7	6.1	58.8	36.3	10.1	320.9	10.2	1130.6	1417.3	1481.9	636.7	1243.6
18567	18680.3	115.2	182	527.8	111.5	2266.9	267.9	1644.1	1394.5	824.6	540.2	1945.8
131.6	536.3	71.8	30.5	49.5	19.3	231.8	10.1	1932.7	1811.1	671.8	447.1	2528.8
395	1560.8	5.3	37.4	120.6	8.8	298.5	18.3	1585.6	1832.2	1284.2	772.7	1777.9
113.3	111.4	52.7	192.9	9.6	4.6	277.1	10.4	1217.2	2029.5	1244.3	616.8	2592.2
572	672.5	66.7	76	37.5	4	317.8	5.1	1659	1593.6	1321.4	232.7	1401.6
36.4	465.5	7.5	98.9	23.1	11.8	312.1	8.1	1658.6	1129.3	314.8	693.6	1827
1578.2	1752	14.7	32.5	45.8	37.8	1907.1	13.6	1133.1	814.8	997.7	826.3	1437.3
59.1	215.2	52.4	143.6	27.9	5.3	130.5	10.1	2223.2	1682.7	1255.3	505.7	1467
437.2	1007.2	5.1	63.4	52.2	2.4	316.3	16.1	1834	971.5	904	509.3	1671.1
124.4	703.8	11.6	23.4	68.7	14	210.6	7	1274.8	2181.4	423.6	836.2	2085.7
597.7	918.3	10.7	212.2	16.4	7.7	392.7	5.7	2012.2	1018.4	980.5	457.1	2106
235.2	470.8	53.6	138.8	35.8	7.3	520.9	8	3325.3	3041.2	1210.1	842.8	1731.9
173.4	516.4	48.3	36.7	107.2	14.2	298.8	7.4	2767.8	1256.2	1292.1	911.4	2395.8
4832	24738	151.2	42.3	139.5	960.6	962.1	17.9	1418.6	1759.1	1565.5	605.6	949.1
738	2438.5	27.2	77.9	53.3	46.7	366.7	8.1	1980.6	1580.2	1165.8	554.2	4246.7
155.2	193.1	8.3	101	163.2	5.9	430.4	14.4	3101	1909	861.3	232.3	2427.8
1116.3	22224.7	40.3	128	307.5	237.1	1518	90.5	868.9	983.4	919.6	504.5	2573.8
377.7	2240.2	42.7	82.5	57.1	9.1	580.8	14.1	3753.8	1180.3	1889.4	1621.3	2659.9
319.6	3047.3	26.1	31.4	281.8	81.4	820.8	119.7	1189	856.3	646.7	474.8	1706.2
436.7	775.1	92.7	141.7	68	7	648.9	33.9	682.2	964.7	2057.8	1013.7	1787.3
218.6	157.6	74.4	153.6	48	6.7	420.3	7.8	1325.3	908.2	929.8	876.1	2311.8

778.4	953.3	22.4	102.2	102.8	9.2	479.1	31.6	891	1097.8	876.6	360.7	1829.6
1654.4	3005.8	106.2	25.1	201.7	125.6	988.3	243.1	1918	798.7	942	728.9	1858.8
43.7	111.2	1.5	82.6	7.3	4.2	188.7	6.8	803.8	1167.2	794.9	375.8	1255.2
9603.1	6106	36.1	21.8	18	20.3	563.2	134.7	1973.2	1088.6	857.5	1082.5	952.5
240.6	352.2	5.3	34.1	29.4	4.2	628	68.2	1204.3	952.7	839.1	480.9	2264.8
465.4	180.4	68.4	138.6	67.2	3.1	442.3	49	651.1	819.8	746.6	1097.9	3179.3
107.3	188.4	41.8	60.7	24.5	4.3	165.7	8.1	1409.3	1333.6	925.1	863.5	2578.2
169.9	243.8	77.5	93	48.8	8.5	397.6	7.5	1410.8	1387.2	1306.4	423.5	1626.3
693.5	1665.3	72	65.9	39.2	27.2	426.1	8	850.9	593.2	834.6	560.6	3906.7
119.3	461.4	80.6	79.7	83.5	6.5	296.6	9.4	1722.7	1299.8	1218.1	1193.3	2827.4
1429.8	1564.4	52.2	209.5	199.8	10.8	358.4	22.4	1017.5	1485.8	1108.9	699.6	3836.6
6342.1	6003.3	44.7	159.3	270.3	54.8	1602.1	17.6	1217	783.7	948.9	417.5	1835.7
160	359.9	10.7	36.3	18.4	5.6	142.8	6.3	1578	2073.2	1001.2	299.6	1220.2
313.9	762.9	3.1	110.8	100.4	8.2	582.8	22.6	1020	1077.3	723.7	1648.9	2830.1
576.8	572.1	22.2	111.3	12.9	17.4	265.9	26	5168.4	2028.3	1159.3	604.9	3349.1
266	383	4.2	84	105.6	2.9	325.8	59	1279.7	1615	702.1	904.7	2910.1
688.4	1299.5	9.9	134	29.3	10.1	595.4	23.9	3061.4	618.8	1047.6	923.2	2019.6
1186.4	1095.6	4.4	119.6	248.7	11.2	1062.6	151.7	1544.1	1388.2	1063.2	971.5	2055.1
3802.1	2847	45.7	203.9	64.3	283.8	870.5	193.5	437.9	1017.9	805.1	631.4	2160.3
21345.9	6942.7	21.7	203.3	146.2	317.6	2270.8	572.5	1043.4	746	708.1	700	1588.9
5218.2	3776.8	59.1	123	221.4	203.9	1706.6	405.8	998.8	942.3	897.2	509.2	2663.8
690.7	1794.7	31.6	121	133.6	16.9	394.6	14	882.2	794.1	778.9	770.1	1972.3
425	2245.3	60.1	107.9	44.5	20.5	816.2	70.2	2854	1232.7	1348.2	1278.5	1822.6
760.4	658.7	22.7	177.6	11.5	38.5	585.5	61.7	678.3	1693.4	666.7	1646.3	1793.9
892.5	578.9	1.5	111.6	16.7	4.4	592.6	116.5	652.7	906.9	617	455.8	2136.9
226.8	483.8	19.5	172.7	35.6	10.6	295.8	10.7	582.1	1176.2	786.2	824.3	2038
227.5	674.6	47.2	107.2	77	64.3	340.1	137.9	1484.1	1351.9	731.8	1000.6	1845.5
289.5	877.6	10.2	57.3	14.1	18.3	410.8	9.5	1551.7	1215.8	1181	1383.3	3221.5
583.4	1999.9	5.8	71.8	219.8	10.9	554.3	12.1	985.1	953.5	1576.8	549.9	1787.2
4668.6	2676.9	25.4	189.2	69.3	87.5	1685.2	164.8	2294.2	1015.6	1450.6	812.7	1562.4
705.5	802.3	21.1	159.2	79.3	4.5	632.5	21.6	1583.3	1083.2	1083.2	939.2	1543.9
6963	5828.2	25.4	111.3	123.3	93.4	990.3	105.4	1154.6	1193.3	1279.4	285	1955.8
1200.7	968.5	7.5	32.5	27.8	11.4	1107.6	181.6	587.7	1076.9	1093.3	213.1	3416.4
309	249	5.3	56.2	23.7	11.6	503	6.1	1770.1	666.3	688.8	557	1687.2
731	1293.8	60.4	53.8	304.3	11.4	295.9	35.9	789.1	997.6	1484.9	705.8	1957.7
487.2	1921.4	66.4	83	56.2	116.6	569.7	10.4	1631.3	768.6	1344.4	729.2	1677.5
4123.4	4599.2	34.2	152.2	88.8	84.4	551.8	58.4	1693.7	1346.2	1073.1	1512.5	2755
865.4	1274	7.1	185.8	62.6	51.4	489.7	12.2	1151.6	1379.7	1374.5	375.4	1804.1
5371.2	5432.8	37.6	229.3	31.2	330.8	652.7	62	1426.8	952.5	1467.4	725.1	2224.8
66.3	488.4	40.4	204.5	57.7	5.7	211.8	17.2	847.1	819.5	1127.2	848.2	2046.4
2371.2	2771.7	41.9	160.1	142	193.3	721	221.2	1001.4	823.8	639.2	503.2	1711.3
5716.8	5048	50.1	208.2	175	299.6	953.7	181.8	415.7	611.5	1199.1	421	2951.3
60.6	404.8	7.6	35	27.4	15.6	407.6	17.8	1315.5	1047.6	917.6	1237.1	2432.7
87.1	177.6	32.4	108.9	11.5	2.1	270.1	9	799.5	3114.4	531.1	248.7	1390.2
2456.9	3808.8	41.4	125.9	85.3	213.6	741.7	102	748.3	857.7	848.7	2114.6	1832.6
2066.1	8202.9	21.5	278.7	195.5	107.1	1915	272.9	1238.9	1340.1	438.7	385.2	1180.5
1009.1	1150.7	49.1	141.3	37.7	71.3	424.8	125.5	654.2	1322.5	1090.4	488.9	1606.9
696	658.8	37.5	196.7	32.2	63.9	488.7	18	308.3	1304.5	868.4	545.6	2697.4
2165.9	1605	3.2	90.3	24.3	5.6	654.8	22.7	1210.5	763.1	842.8	880.5	2056.5
324.9	386.5	2.4	28.3	16.9	5.2	240.7	5.6	374.1	1688.6	693.3	1203.2	3249.7
1130.3	1459.9	57.3	262.5	122.3	205.3	1255.1	563.3	308	1474.5	1029.3	697	1842.3

422.9	566.2	11.1	154.3	10.6	17.4	414.9	59.7	1303.8	1056.6	931.1	1406.5	1629.6
66.4	377.3	55.7	130.1	36.3	14.9	426.1	18.3	1175.7	1394.3	1053.9	629.1	2381.1
1441	610.3	3.1	39.1	59.4	3.8	344.7	9.9	1442.2	990.7	698.3	603.8	2446.2
1965.9	1886.8	24.6	202.7	159.3	198.5	1722.6	266	1121.2	1028.4	709.9	337.7	1096.7
145.3	134.8	8	74.6	35	10.5	253.6	14.5	157.2	1071.2	884.8	1528.6	3098.5
1281.9	3543.1	31.7	38.6	507.1	13.5	1940.8	202.5	1961.6	2036.6	555.9	488.8	1197.4
54.5	177.8	70.2	219.4	41.8	9.1	100.6	18.7	1917.6	1087	1391.6	2028.1	2467.5
427.4	1350.1	40.2	168.1	131.2	53.3	656	12.8	1876.6	2351.5	726.9	2171.5	1494.9
664	3525.7	111.4	51.9	39.9	63.6	396	22.1	1686	906.2	567.1	671.9	1888.3
8956.3	3682.7	167.7	178.2	74.5	68.4	915.4	75.1	1163.8	1028.1	761.6	648.3	1391
392.6	407.4	19.2	166.5	38.4	19.4	331.5	11.4	2695.2	1557.8	1263.8	1090.1	1444.4
72.1	196.5	31.7	16.4	19.1	2.7	236	5.3	3946.1	1268.9	928.3	750.8	1687.5
522.5	1248.6	37.8	136.9	24.8	21.8	436	8.3	1185.4	2300	710.8	628.2	1976.3
1666.1	13369.2	52.2	56.4	164.5	333.7	1161.1	124.3	890.9	696.5	1656.8	717.4	1909.9
590	320.8	36.3	97	108.6	15.4	526.2	24.5	1368.8	1174.3	1023.3	662.6	1233.2
4921.3	1133.8	37.1	317.3	68.4	23.2	540.9	46	574.1	825.7	1290.2	686.1	2752.8
42.2	385.7	5.8	37.3	124.2	11.5	385.5	27.1	1231.2	742.2	1506.5	930	2721.1
628.1	2174.4	50.7	65.2	188.6	9.9	607.5	8.6	1318.6	497.6	668.2	394.2	2084
1875.8	3887.8	50.7	191.9	190.8	153	1645.7	179	2122.8	1121.9	733.2	986.3	2174.6
103.4	118.9	8.6	93.7	70.9	9.1	463.2	64.6	1040.7	927.2	421	390	1945.9
3153.4	2493.1	17.3	176.6	57.6	133.8	540.8	18	830.4	1447	863.7	340.7	2920.7
49.6	253.4	35	101.3	74.2	5	129	8.2	2266.6	1289.8	1180.5	2420.6	2122.8
10059.2	11875.7	173.9	399.4	440.6	361.6	4912.9	1014.8	1429.1	794	979.7	600.1	1663
151.5	422.7	41.6	172.5	119.4	3.3	516.3	107.6	3239	1411.5	681.1	2000.9	1267.6
4331.2	2554.7	9.6	214.6	28.2	202.4	835	374.4	1116.4	673.8	639.3	319.8	2129
1931.9	2600	67.9	99	89.7	13.1	895.1	33.5	2132	1177.1	2000.7	563.9	1931.9
908.8	1668.9	19.8	103.1	179	77.6	756.1	76.9	2011.8	1562.9	1416.5	862.2	1526.8
984	2089.7	90.4	113.1	71.5	128.1	465.2	21	1259.8	713	399.7	731.2	1649.7
651.4	2246.8	75.2	148.2	74.3	44.8	376.4	6.2	2625.8	2273.2	1464.4	830.9	2187.8
2341.3	23067	41.8	68.6	48.5	164.7	669.6	108.3	1325.8	1653.5	1167	1262.9	1684.2
17061.2	17187.3	75.6	191.8	304.9	243.3	801.4	13.4	1707.2	857	277.6	381.3	1995
27982.7	27468.7	51.4	197.9	304.6	406.2	2520.7	350.8	2225.3	941.3	288	453.8	1634.4
590.3	3971	9.5	84.1	62.1	11.6	455.2	8.5	3062.8	1305.2	343.6	207.3	1651.6
4229.9	12171.9	59.8	157	452	48.5	2392.7	221	2344.6	941	288.8	1222.3	1197
12895.2	10792.1	55.5	221.1	243.7	338.2	1390.4	313.8	594.1	736.3	307.3	1020.6	1276.8
2691.2	3127	24.4	102.9	162	98.3	1303.3	141.6	1713.7	701.2	348	540.2	1424.7
6253.9	6960.1	23.7	144.3	205.4	183.3	1222.3	138.9	1996.2	794.7	559.9	421.1	1133.7
6870.7	11505.7	103.9	113.5	178.7	335.2	1218.9	141.7	1360	805.3	426.3	227.8	1700.2
2731	6119.8	178.1	87.4	170	130	1072.6	103	2793.6	897.4	379.1	527.4	1443.1
4284.4	9838.8	43.4	186.1	183.1	209.7	962.2	119.8	5827.7	1002.9	843.6	269.2	1371.1
21307.5	13827.8	49.5	61.9	135.5	589.4	784.7	11	2139	743.4	342.8	289	972.6
1857.2	1667.2	90	92.2	82	51.6	791.6	142.8	1695.7	560	864.1	564.9	595.2
5243.6	15940.8	147.9	249.2	191.9	218.5	1782.3	215.9	3428.8	1038.6	562.8	828.2	1827.3
8366.9	21028.9	38.3	198.7	357.8	154.9	2202.8	253.1	6546.3	1087.4	518.2	380.3	1565
4581.8	3787.2	31.4	230.8	490.1	108.5	2300.8	579.8	1467.5	899.5	344.7	366.6	1046.8
934.2	2505.1	20.2	99.6	202.5	14.5	1208.6	351.7	2745	799.9	647.9	450	1597.4
5884.1	4411.2	72	162.6	48.1	87	632	62.2	1800.3	604.2	649.1	661.1	1908.2
4676.4	2184.2	45.3	150.2	169.1	58.6	578	27.3	2595.5	701.3	719.4	260.4	1951.8
1882	719.2	7.5	117.7	82.4	7.2	480	64.2	3748.6	1954.8	1159.2	482.1	2048.6
1928.7	6003.2	44.4	158.6	146.4	131.4	973.3	106	1977.8	656.5	476.4	2486.4	1079.2
5130.9	2160.7	7	160.9	163.3	40	786.8	127	2625.6	935.4	1264.2	628.4	1150.8

1960.6	2241	79.7	151.6	250.9	15	969	12.3	5158.8	1045.4	744.7	603.9	2021.8
11231.4	10135.2	2.3	352.9	56.6	353.4	1363.8	96.7	1196.4	643.9	1264.2	1066.6	2322.4
68.9	137.4	91.7	105.8	30.8	17.6	415.5	48.2	1578.9	823.7	1455	404.4	2982.8
3069.8	2443.4	9	135.2	37.9	50.5	519.4	128.3	4113.8	730.1	966.2	421.4	1465.2
2460.2	1851.4	50.9	143.4	81.6	15	557.2	74.8	6816.5	963.5	825.5	586.6	1228.1
1233.2	1203.7	14.1	172.6	26.2	26.9	489.5	12.4	1267.4	447.8	1126.8	692.3	1851.5
935.4	1804	11.5	139.1	125.5	89.9	935.6	411.4	8317.8	1047.8	746.9	487.1	1172.5
214.4	629.8	39.8	48.7	27.1	13.4	302.8	20.3	4125.4	1641.9	842.1	827.4	1839.4
4312.1	2250.1	56.9	24.4	30	96.1	422.7	86.5	2513.5	842.3	662.8	329	2292.8
1876.9	5217.2	54.3	75.7	68.5	16.4	513.3	26.8	3049.4	576.8	511.9	712.8	1748.9
29	154	50.5	141.3	21	4.5	425.1	23.4	1124.4	514.3	624.8	421.5	1441.3
1431.6	1612.9	99	295.6	41	10.3	1114.6	184.7	2310.8	726.4	787	187	1044.2
2062	5076.8	2.7	68.2	225.9	16.4	948.9	110.2	1943.9	1286	1616.4	633.5	1701.1
1552.5	1703.4	4.2	177.6	30.3	19.1	552.9	95.1	4227.1	1091.1	1008.1	252.3	1570.8
2214.3	12838.5	64.2	91	163.4	31.4	814.9	14.5	3328.5	624	852.9	1726.3	1470.6
1340.6	795.9	4.5	171.2	77.9	5.8	353.1	25.4	4996.6	697.7	995.6	566.5	1595.7
37264.9	14999.2	125.7	191.3	174.3	483.3	2903.7	198.9	1709	1330.3	496.1	276.7	1585.1
2229.2	3329.7	10.1	102.9	206	6.3	701.2	14.2	2966.2	1057.9	469.5	338.9	999.1
4310.7	5624.9	36.8	77.7	155	40.9	905.3	94.6	2639.4	956.5	1444	221.5	1931.7
4797.5	10828.4	138.3	405.4	623.7	234.5	3260.6	281.6	2057.7	1137.1	526.5	1067	821
4845.3	2316	8.9	199.5	370.2	91.9	2625.8	736.9	1790.4	1628.3	762.1	478.8	2581.8
889.3	22826.6	60.2	87.8	180.4	176	712.6	27.9	3108.1	968.3	225.6	483.9	874.7
33550.1	29599.4	314.1	330.4	1258.8	300.7	9341	971.8	1490.5	678.1	1041.4	281.1	1496.5
12194.5	21659.8	130.5	121.5	1534.9	410.9	12736.4	222.1	1776.3	671.3	298.7	150.2	1099.4
26568.5	20451.3	211.8	288.3	1313.8	400.6	9449.4	983	933.9	797.9	728.1	478.3	1681.6
12226.9	15857.9	2.7	475.6	266.2	126.5	1766.5	781.4	2012.6	582.9	1506.9	373.9	1381
2657.8	15228.2	94.1	176.2	278.6	55.8	943.2	94.1	1070.3	938.8	961.9	927.3	1798.3
7728.2	5869.1	31.3	191	351.1	146.5	3500.4	106.9	1331.8	785.2	748.8	319.7	1391.8
23798.4	24604.2	414.1	163.2	551.5	917.5	5253.5	774.9	2414.9	1489	369.5	147.5	1326.8
2069.5	3915.4	6.6	105.2	256	22.6	899.3	344.3	2125.8	680.5	872.1	415.5	2938.4
9404	10098.2	75.8	184.3	460.3	211.3	3689.4	471.1	2368.9	1209.6	685.4	508.9	1285.9
4448.2	19253.1	9.3	136.5	311.9	199.4	2592.3	128.7	1725	777.8	1220.9	712.3	2103.7
1123.4	1719.2	34.3	26	72	7.1	273.7	11.2	1249.9	507.6	259.6	578.5	1178.1
375.4	375.4	6.7	66.7	24.6	3.7	611	12.1	821.4	419.5	572.9	302.7	1932.9
6447.7	9424.1	69.9	123.8	280.1	248.3	1395.9	333.9	5176.4	1297.3	1070.8	704.1	1273.7
6234.2	6135.2	79.7	332.1	376.6	213.4	2955.2	675.8	2298.1	1178.5	740.8	1033	1930.4
17945.7	55269.1	393.5	165.2	498.7	1570.7	4030.6	702.9	955.9	809.6	642.8	311.8	1605.4
1385.1	803.5	7.2	162.8	145	14.4	571.5	125.9	701.9	791	842.9	814.1	1969.9
5126.4	9676.9	81.4	228.8	579.2	235.8	3666.3	291.1	2222.1	972.9	793.7	497.2	1280.3
1449.4	1148.4	56.2	140.1	250.9	90.4	1549.6	163.2	3369.9	980.6	792.3	343.6	2120.4
254.1	1374.1	6.4	37.8	228.3	6.4	324	23.7	1442.7	932.6	834.8	202.5	1797.4
28926.9	42441.4	7.7	126.9	544	1175.6	4026.5	353.1	2405.2	1044.2	609.7	679.6	1547.5
14105.3	26570.6	231.8	189.9	485.8	296.8	3053.4	347	1953.3	815.7	330.7	380.4	984.2
1715.5	26212.1	20.8	245.6	370.8	222.4	3956	714.5	1594.1	870.7	637.5	488.2	880.8
14422.3	34716.3	124.9	307.8	396	436.6	5511.5	640.5	1313.1	808.4	1489.5	689.6	1580.6
44276.1	29875.3	312.5	315.5	1031.4	440.5	7558.6	1024.5	1220.3	1093.8	494	325.1	1537.6
2699.3	1108.2	11.9	266	261.7	47.8	2359	368	1699.9	1532.6	1052.4	468.2	1196.4
1700.5	5272.1	38.7	201.6	405.5	109.7	2088.8	440.2	2405.3	1444.3	347.2	425	622.7
2454	16718.4	63	125.8	449.3	257.6	2398.7	283.9	1803.9	1384.1	1010.9	656.9	1438.5
6490.8	6558.9	49	537.8	496.3	184.4	4151.2	788	1572.9	1242.8	642	228.8	1152.6
1600.6	2427.3	23.7	380.3	152.4	115.7	1649.1	349.1	1657.4	1107.3	1122.4	402	1112.8

3212.5	11969	98.1	181.8	536.8	234.9	2774	82	1546.2	1311.8	1716.1	557.5	1229.8
22292.8	16661.1	5.8	150.3	520.9	207.3	2554.1	470.1	1644.4	1312.7	1624	731.5	1001
29905.8	28196.8	231	462.2	782	582.7	7018	1021.3	1121.2	1012.4	823.6	390	1133.6
8931.8	18705.5	306.4	237.6	696.2	485.6	5121.1	581.7	1831	1286.5	1002.9	601	2054.2
2729.8	2348.1	9.2	314.1	573.1	15.6	2343	527.3	1520	1030.6	595.8	1214.9	4418.4
527.5	1338.5	17.3	28	30.8	4.4	569.7	195.1	6440.7	1216.5	1195.4	664	2336.5
516.9	1166	2.5	103.6	131.9	8.4	680	53.3	1211.5	974.2	646.4	627.7	844.7
1352.5	1219.7	38.3	44.6	44.3	15.7	529.6	77	1305.1	1279.4	1123.1	805.3	5631.3
1358.9	3331.2	31.6	82.5	87.7	15.4	632.7	22.3	1840.1	656.2	1150.1	379	3307.4
2171	4256.1	56.8	171.5	41.4	11.1	1431.3	113	3883.3	975.7	1257	837.7	7109.7
95.2	426	6.3	118.9	51.3	31.5	160.9	9.8	1815.1	1156.1	1994.2	701.3	1272.2
2267.9	1284.8	38.6	23.6	28.8	18.8	496.2	11.3	2819.9	881.5	906.2	934	1101.7
1242.5	3470.9	32.8	28.1	144.5	7.8	544.2	18.7	1774.3	1543.7	648.6	938.1	780.7
618.2	1126.9	8.8	76.5	106.4	6.3	489.9	54.8	4447.7	2712.5	686.6	1826.5	1757.2
3010.3	980.8	23	35.5	113.2	8.2	987.6	24.7	1697.7	1297.3	645.2	1537.6	1332.4
900.3	3923.4	52	87.3	147.9	132.2	1200.5	84.1	1306.5	1000.4	1016.7	534	13113.6
1375	1492	45.8	100.6	29.4	48.2	644.1	125.5	1442.6	1818.5	974.1	1003.1	1634.8
445.9	937.8	37.9	90.1	75.1	8.1	348.7	19.1	2303.5	953.5	810.2	620.3	1143
1109.5	1361.4	5.1	92	112.2	2.2	727.2	79.9	3145.8	1621.5	764.9	955.4	1975
583.2	5343.3	49.7	59.7	138	12.8	766	14.9	3074.8	1496.7	1082.9	1147.3	5606.7
151.6	432.8	6	64.9	69.8	7.8	153.3	6.9	1285.9	971.3	1520.7	630.4	2103.3
244.3	519	49.3	30.9	31.4	7	543.8	34.5	1457.1	2049.8	1075.8	502.8	2299.8
18754.9	30530.4	120.2	137	360.9	436.4	1298.6	10.8	2809.8	1210.1	1264.5	337.8	1134.4
1349.8	1970.6	48.3	165.5	186.7	211.2	1670.4	312.4	842.1	956.9	496.5	828.3	8191.4
2098.9	3798.2	12.2	243.9	126.3	101	1203.3	379.5	2073.2	955.2	1401.9	688.6	939.4
1382	2292	59.6	116.6	259.9	13.1	1800.9	130.6	2946.8	1299.3	404	2093.5	1329.2
1928.8	16497.3	161.8	40.2	110.9	133.1	1218.3	239.9	2585.8	1628.2	1056.9	519.8	3190.9
16985.2	33683.9	210.6	23.5	43.1	510.5	430.9	9.7	1346.6	1231	1014.2	920.7	2178.2
1935.8	3080.1	89.3	128.4	117.1	125.5	1039.8	17.4	598.5	440.2	801.2	625.2	2128.2
2729.4	9465.1	70.3	45.2	279.1	178.3	1435.3	147	1671.7	1403.5	924.5	660.6	1394.3
6951.1	8074	138.7	34.4	49.9	201.5	827.9	59.1	1978.8	1814.3	1466.6	756.9	1415.5
773.9	751.8	18	102.8	117.7	9	563.4	41.8	728.9	1212.9	1069.3	363.6	2003.2
2742.6	3219.3	63.3	143.3	157.1	184.3	872.2	126.2	1355	889.4	598.5	427	2873.1
4878	2785.8	74.9	231.7	46.6	208.2	1227.1	304.7	841.5	488.3	1157.3	590.7	1671.4
2336.2	3206.5	22.4	187.1	322.2	107.1	1389.7	249.8	2518.3	1086.1	966.1	387.2	1320.8
7064.2	2226.5	7	220.9	164.6	318.7	1812	503.8	435	862.4	644.7	510.9	1748.5
3563.7	9942	261.9	33.5	247.7	192.8	994.3	88.7	1925.9	998.6	839.9	375.6	1829.8
7945.9	3447.8	7	315.7	312.4	306.8	3856.7	424.8	487.4	1365.4	615.9	585.1	1631.1
1172.9	2724.2	10.5	89.6	39.1	5.4	474.8	10.1	1565.3	2016.9	1239.1	1402.4	1723.3
318.2	469.8	11.2	134.1	29.3	3.4	356.8	136.1	430.5	618.1	1491.6	792.5	3827.8
1020.5	2214.5	21.5	195.7	139.3	33.7	818.4	37.7	1064	1077.8	1263.1	1200.2	1416.4
801.8	869.2	4.8	71	71.7	10.8	376.9	19.8	1186.5	1187	512.1	641	1084.6
2600	3672.7	57.2	101.4	333	115.5	2276.7	212	1012.4	937.2	686.4	689.4	1767.5

P4HA2	RAB1B	SLC24A3	SMARCE1	TPM1
1096.8	905.3	410.5	1781.4	2716.5
1263.4	1746.1	1162.3	1453.2	1515.8
1123.3	1102.6	830.9	1004.5	3556.1
2542.9	1907.1	554.6	1701.2	2955.8
1128.6	2596.7	264.9	1666.3	908.2
964.6	1445.7	512.4	1709.4	2047.5
1327.9	2418.5	80.5	2702.4	2095.2
1029.9	1510.9	415.4	2431.9	2187
1393.8	919.4	1798.5	2612.3	2027.5
1359	1186.7	589.1	1993.3	3802.9
1297.5	745.2	726.2	2999.5	1597.3
870.3	1856.7	1054.9	2287.5	2032.7
939.3	1969.1	207.3	2642.9	2378.6
1850.4	1517	63.4	1939.6	5555.2
1265.8	1434.1	438.4	1876.8	2060.1
1419.5	1881.8	1169.7	1534.7	2091.1
821.7	1041.6	62.2	2381	4916.3
743.1	1830.2	855.5	2171.8	1289.3
1093.3	1158.8	58.5	2830.1	1604.8
1241.3	1140.3	1289.4	1411.8	1802.2
1217	1307.7	130.8	2380.2	2806.5
827	1705.6	917.3	1847.5	1424.5
1475.4	1125.9	302.4	1610.1	1788.4
937.3	1571.1	447.8	2493.8	2194.5
1648.4	1948.8	1166.1	1412.8	3257.4
1064.9	1895.6	519.5	3159.1	2492.2
1416.5	1572	561.1	2458.2	2324.3
1091.6	1650.7	68.5	3491.1	1300.2
897.6	1350.1	106.1	1724.1	1794
1310.8	861.9	121.1	2140.7	1820.4
1414.3	1027.9	521.7	1906.4	3176.3
1962.7	1360.7	527.9	2098.9	2908.7
2437.3	1986.9	114	2645.6	1716.5
1277.6	1897.6	1199.5	1456.2	874
1283.1	1454.8	990.6	1313.6	1337.7
1590.4	1133	326	1257.4	2389.8
712.5	1343.4	39.8	3640.2	1030.4
840.6	1182.7	97.2	2391.6	1842.7
1288.3	918.8	688.9	2204.8	4047.3

1054.2	2041.4	395	1555.3	2136.8
2644.1	1799.4	741	1981.4	7157.8
967.9	1049.7	305.2	2411	1490.2
1208.7	1175.9	664.2	2546.7	2950
1169.4	2432.7	56.8	1077.8	918.9
1358.3	1816.3	522.9	2465.2	3092.9
1451.4	2605.9	294.9	1857.5	843
1099.2	2184.1	83.1	2097.7	2432.2
1083.7	1703.7	32.9	1969.7	7668
915.9	1048.1	468.9	1640.8	2021.5
1561.1	1290.7	1221.1	2309	3470.2
1113.5	1931.4	57	1532.5	7033.6
913.9	1135.9	790.4	2111.6	3546.4
1515.9	2131	1108.5	2506.1	3609.6
1381.4	1110.5	112.1	1543.7	1907.1
1047.3	1522.9	536.1	2706.3	2471
807.2	1691.6	1447.9	2041.4	1838.1
1308.9	1578.4	256	1405.7	1913
1146.1	1509.7	702.4	2791.3	2415.8
1256.6	1655.5	17.6	2490.6	439.6
670.4	1194.4	1317.2	2558.3	2067
965.7	1438.7	1410.4	724.3	1007.4
1388.6	1310.1	1906.7	1669.8	2200.7
1516.4	1502.2	853	2483	1546.4
1994.8	5590.1	1052	2616.7	2056.2
974	2001.7	948.5	2112	1390.2
1550.5	1671	84.4	2673.8	4963.9
1042.9	1597.6	614.4	2107.5	1972.7
891.2	3260.4	42.7	1738.9	1750.4
1309.4	1504.2	36.3	1552.7	2369.5
858.8	1493.5	592.7	2229.7	1290.3
1043.6	1340.7	33.2	1914.9	4971.5
589.3	1568.1	25	2692.7	6779.1
1082.3	1507.2	90.9	1916.9	2244.9
951.2	1593.1	200.5	2197.1	856.2
3353.2	1243.4	535	3271.1	1067.3
988.9	1678.4	69.3	1692.1	1067.9
807.7	2955.4	919.6	1115.3	530
2474.9	2237.8	609.2	959	1908.7
826.6	1742.1	28.7	2357.8	3736.3
1073.5	1287.4	859.2	1100.9	1165.8
1936.6	1411.8	649.4	1919.8	2047.2
1112.4	1393.7	361.8	2482.1	1151.3
989.2	1989.1	133	1685.1	1127.3
861.2	1374.4	82	2085.2	3528.4
767.8	1969.3	54.8	2625.8	2460
813.4	3424.9	51	3330.5	982.3
1227.2	1987.4	208.1	2021.9	1651.7
1335.4	1273.5	78	1928.5	1613.2
1165.4	2534.1	1227.4	2856.9	487.5
807.7	5136.8	18.2	3341.6	718

713.8	1333.6	1132.4	1548	675.4
1320.8	1171.5	184.5	1625.5	1211.3
1033.1	2488.5	670.8	1062.4	454.5
1049.3	1987.4	881.9	1338.7	908
1623.8	1106.6	1686.1	1707.5	1070.6
1377.8	3170.7	2033.9	2318.9	677.1
579.5	1123.4	28.8	1904.7	449.1
706.3	1759.3	1506.6	2618.7	682.1
1851.3	1856.1	224.7	3400.1	438.7
1360.9	966.1	1625.2	1840.9	911.9
1338.1	2134.7	676.6	3611.7	879.8
711.1	2342.4	198.6	3047.8	361.6
1399.8	2640.6	1299.5	2354.5	1685.8
762.4	1088.9	999.1	1996.9	1413.2
1652.1	1583.1	657.5	1365.7	749.4
1183.5	1067.2	1110.8	2982.5	448.5
882.5	2645.7	635	1641.3	1003.3
1149.2	1517	39	2940.7	1198.1
1458.7	905.5	548.9	1723.3	1014.8
1054.8	848	324	1768.1	973.9
1544.5	1565.4	915.5	7539.4	604.4
1339.4	1031.3	1025.9	2227.7	1160.4
1132.4	1014.5	61.8	1919	2489.4
1557.8	1336	468.1	1758.3	1446.1
670.7	1399	860.7	1614.1	763.2
1277.2	1128	1479.8	2442.6	673.7
1275.9	1123.8	1007.7	1297.3	883.7
1521.3	1423.4	263.8	2631.2	986.5
750.1	1078.7	1326	2951.7	561.3
1477.3	1379.2	589.9	2347.1	1116
1462.7	1583	920.2	1389.4	1329.4
688.5	1622.6	77.3	2535	696.3
979.8	1201.5	572.1	2675.3	975
1331.7	3487.8	1301.6	1610.3	1381.5
2192.8	1571.4	690.6	1002.4	401.5
1090.1	1249.8	933.4	1432.8	1993.6
1052.9	1967.1	81.2	1646.5	758
687.4	1673	1050.8	2330.6	418.4
1003.7	1409.6	789.7	1756.9	244.7
1383.7	3007.1	732.9	2805.9	264.2
1118.8	1448	788.4	1902.6	447.5
844.7	1025.5	975.7	2437.7	386.7
1276.1	1832.9	1039	1862.1	1053.8
2241.9	1013.5	1332.8	1661.2	703.4
1178	723.9	196.1	1222.6	1193.5
2177.8	1176.7	448.7	1155.6	1179.5
758.9	1041.4	31.5	1834.4	706.7
1075.5	727.7	515	3359.3	686.3
1470.4	683.5	516.2	1541.4	616.5
1146.1	1089.5	1201.2	2523.6	350
1011.5	974.7	612.6	2076.9	614.2

1460.3	1819.6	2445.4	789.4	521.9
1339.7	2658.6	1439.5	1834.8	336.8
855	1166.5	654.2	2043	1222.8
1339.8	1151.4	1151.8	1684.2	1581
1366.9	610.6	146.2	2536.6	211.7
1693	2376.9	122.7	1783.3	3210.6
1181.1	1215.6	720.3	2009.8	595.7
1464.5	981	72.3	1855.7	2248.2
1196.1	2087.2	20.6	2269.2	1172.1
727.3	1306.9	673.4	1014.7	796.2
1218.2	1887.6	82.3	1724	383.7
1299.3	1545.1	431.7	2676.2	803.5
797.3	1260.7	589.8	1495.8	598.1
882.3	1507.9	623.2	1934.7	498
1792.3	1631	404.3	1704.7	1513.6
1241.9	1385.3	637.5	1993.6	622.6
830.6	1757.4	846.9	1467.2	750.4
792.5	2433.9	693.6	1225.6	309.6
1463.4	2150.1	476.3	1753	918.2
1208.8	1706.3	29.4	1916.8	809.2
839.1	1365.2	780.4	3493.3	1039.3
3423.1	1308.5	1128.4	950.9	1063.7
1208.2	1327.4	68.8	1824.8	640.9
2479.8	745.1	767.5	714.5	1836.5
1222.6	1196.4	792.2	1748.3	938.3
1086.6	1248	96.9	1951.7	2857.1
1309.7	1069.5	451.8	1537.4	2177.6
1287.9	1410.3	575	1260.9	808.1
748.9	1351.6	670.5	2296.3	3970.7
1524.1	931.1	259.5	1741.5	999.1
1964.9	941.5	102.7	2434.3	1217.9
1247.4	1343.8	120.6	1237.7	3564.8
1214.5	1545.8	41.1	278.9	3479.7
1229.1	1288.7	400.7	1252	2352.8
2351.1	1133.7	46.3	914.4	2267.9
976.4	867.5	533.6	1336.3	456.3
1118.5	1200.2	285.3	1442.7	3433.9
848.6	1922.7	997.2	2718.9	1183.5
1722.3	899.4	293.7	1485.7	2114.5
1658.3	1695.7	331	1199.4	982.4
1948.1	1336.2	925.2	1121.9	983.1
1020.3	858.5	296.3	499.5	600.1
1560.7	1137	516.9	988.6	552.7
1824.6	734.2	246.5	1267.7	7722.6
1017.4	1302.9	24.4	1515.8	914.5
2202.9	1075.9	83	1663.9	1611.2
2597.1	1955.8	50.8	1025.9	486.1
1259	732.1	537.9	1376.4	536.5
1289.1	1312.4	571.6	1385.4	1009.2
632.2	1349.5	578.2	1370.6	519.7
1935.7	647.6	645	1144.8	455.1

2575.1	1265.4	104	956	3769.2
864.5	1192.6	86	1786	318
1880.3	1607.4	664.2	513.1	302.6
2067.2	986.4	684	1307.6	2477.1
1815.4	1591.8	785.2	1408.4	1642.4
664.8	1881.4	366.3	1464.5	331.4
4086.8	857.9	1796.1	1177.7	3002.5
2113.4	767.5	661.4	1573.9	1979.6
1803.4	735.5	544.4	1051.8	2629.9
954.4	1306	617.7	2057.6	1701.6
1240.6	1301.5	118	3034.9	676.6
928.3	1326.4	379.1	3219.3	1876.5
2142.1	884.2	403.2	2173.4	1077.6
1432.6	1471	159.4	1476.1	2275.5
861.5	1635	793	1601.8	1656.2
1455.1	2737.4	1125.5	816.8	606.4
891.6	1115.3	61.2	1404.3	456.3
1056.5	1146.6	244.9	1724.5	1413.6
1348.2	1469.8	684.3	2815.9	1098
654.3	1692.4	194.5	1192.5	1516.8
1211.7	921.8	129.7	1604.3	2233.5
595.4	1494.5	22.9	1361.6	1052.7
687.9	1340.5	718.7	2290.3	455.7
256.3	1108.3	218.9	1711	497.8
558.3	1146.1	347.5	1957.1	577.1
954.2	1479.4	258	1557	504.7
1006.7	891	53.6	2019.5	1083.4
1061.1	1587.3	215.9	2408.2	920.5
408.2	1073.4	43.5	1279.8	727.7
2797.7	714.5	142.4	1564.4	819.8
1303.2	663.3	58.3	1654.6	2336.2
1215.3	1662.9	59.3	2288.1	1224.1
716.7	2096.6	1756	1792.6	1663.6
1861.4	1447.4	576.2	987.3	639.4
690.8	928.7	194.7	2127.6	4013.9
1158.5	1127.9	157.5	1774.5	1853.4
985.6	1555.4	260.1	1445.6	692.7
2056.1	1152.9	397.8	1152	148.3
722.4	1500.1	85.9	1898.5	1515.7
1701.8	1048.4	250.6	1227	1856.8
1081	1065	537.3	2458.7	797.4
825.9	2414.2	28.9	1410.8	658.1
1133.2	2297.4	44.2	1162.4	1541.4
723.5	1831.5	74	1369.5	382.3
618.1	1125.3	314.3	2970	243.3
918.5	1077.9	68.1	1645.5	897.8
785.6	1971.5	1190.8	1182.3	469
990.4	1585.1	490.6	1353.8	806.5
1229.1	1691	54.8	1575.2	1601.3
1072.9	1419.2	1477.3	3281.9	1079.6
1135.4	1524.5	121	1407.7	1357.8

998.1	732.4	582.1	1932.2	3000.1
768.5	2200.3	989.6	2276.7	955.3
672.1	1690.3	31.7	1509.4	748.7
1076.9	964.8	279	1237	665.5
828.5	1283.8	501.6	5882.3	1555
2960.5	2390.6	856.4	1245.1	5530.9
1126.2	2409	579.7	1498.8	1045.9
1448.6	1172.6	1011.5	12084.3	1091.7
3382.3	2717.9	35.9	3764.6	460.6
1863.6	1743.2	1239.7	10256.4	3198.1
1667.5	2210.2	803.3	1122.5	502.4
2361.1	2255.4	550.8	1281.7	1940.9
949.5	1902.7	434.1	1552.2	2443.5
1848.2	2265	666.2	1188.4	3493.9
1855.7	1799.2	661.6	1076.4	933.9
968.5	1658	153.2	2878	1643.7
2356.6	2198.1	485.8	1875.8	2199.8
1400.4	3271.2	360.3	1999.3	571.8
2403	1285.9	256.3	6343.3	2480.7
1730.5	1654.5	768.7	18681.2	1752.4
3364.6	2916.1	921.6	1100.4	1258.9
622.9	11226.6	1797.2	7305.6	561.4
1495	2136	41.4	1106.8	1258.6
964.6	2382.7	644.6	6878.8	983.4
1295.1	1131.9	204.7	1147.8	809.6
1379.4	2718.9	901.8	1511.8	2986.4
2246.8	1295.1	36.1	758.3	2486.7
1509.6	2043.8	136.1	8028.3	1922.7
750.6	2924.6	790.8	1167.3	622.8
889.4	1458.9	238.6	2149.4	2913.7
1471.8	1700.8	204.1	1379.6	2677.5
917.2	1898	765.9	2838.3	550.1
1520.3	1818.2	1195.5	5528.4	1085.8
1289.7	2059.3	598.4	1256	487.2
1064.2	1349.5	80.9	1628	2354.9
1378.8	956.4	75.2	1837.9	953.2
1122.5	1793.4	31.7	2320.8	1037.2
777.4	1162.7	51.5	2133.4	972.5
1195.9	2435.3	528	1028.5	3347.5
505.5	2041.6	1084.4	4468.9	260.8
980	670.2	143.9	2157	1940.4
1051.7	1430.6	1358.2	1182.9	1026.8
1578.6	1123.1	368.2	1823.3	1263.7