

Supplemental Data 2

Primary ALL

Gene ID	Transcript length (kb)	RPKM
15E1.2	0.411	3.85
3.8-1	3.537	0.2
3.8-1.2	0.456	0
3.8-1.3	1.166	0
3.8-1.4	1.169	0
3.8-1.5	3.517	0
5-HT3c2	23.774	0
76P	3.087	0.93
7A5	6.372	0
A1BG	3.386	1.75
A2BP1	6.388	0
A2M	4.653	4.04
A2ML1	5.123	0
A2MP	2.707	1.64
A3GALT2	1.023	0.1
A4GALT	2.092	0.14
A4GNT	1.243	0
AAA1	4.13	0
AAAS	1.799	6.38
AACP	1.969	0
AACS	3.234	3.21
AADAC	1.606	0
AADACL1	4.289	0.09
AADACL2	1.485	0
AADACL3	1.266	0
AADACL4	1.575	0
AADAT	2.45	0
AAK1	3.228	6.47
AAMP	1.792	13.47
AANAT	1.005	0.29
AARS	3.344	3.05
AARS2	4.073	1.95
AARSD1	1.79	7.3
AASDH	3.562	0.89
AASDHPPT	2.861	3.32
AASS	6.466	2.86
AATF	2.141	8.04
AATK	5.843	0.19
ABAT	4.871	0.69
ABBA-1	4.977	77.69
ABC1	3.924	2.85
ABCA1	10.412	11.07
ABCA10	6.33	0
ABCA11	50.692	0.71
ABCA12	9.366	0

ABCA13	34.093	0.02
ABCA2	8.36	5.41
ABCA3	6.467	0.09
ABCA4	7.3	0.27
ABCA5	7.147	0.03
ABCA6	5.296	0
ABCA7	6.869	1.4
ABCA8	5.721	0.02
ABCA9	6.301	1.2
ABCB1	9.744	0.21
ABCB10	3.856	1.28
ABCB10P	0.453	0
ABCB11	4.775	0
ABCB4	11.926	0.47
ABCB5	5.812	0.04
ABCB6	2.972	0.4
ABCB7	2.387	10.52
ABCB8	4.878	1.93
ABCB9	6.199	0.36
ABCC1	7.423	8.1
ABCC10	5.088	1.18
ABCC11	4.926	0
ABCC12	5.168	0
ABCC13	34.516	0
ABCC2	4.862	0.22
ABCC3	5.156	0.05
ABCC4	5.833	1.17
ABCC5	7.062	1.32
ABCC6	4.535	0.16
ABCC8	4.977	0
ABCC9	4.788	0
ABCD1	3.616	3.53
ABCD1P2	0.782	0
ABCD1P3	0.785	0
ABCD1P4	0.782	0
ABCD2	3.944	0.15
ABCD3	3.403	3.34
ABCD4	7.364	12.71
ABCE1	3.524	3.98
ABCF1	10.394	0
ABCF2	7.904	1.66
ABCF3	2.547	12.98
ABCG1	5.055	3.13
ABCG2	4.431	0.16
ABCG4	3.836	0.03
ABCG5	2.74	0
ABCG8	2.665	0
ABHD1	1.446	0.13
ABHD10	2.569	4.54
ABHD11	6.888	0.05

ABHD12	1.917	4.08
ABHD13	5.302	3.06
ABHD14A	1.062	1.68
ABHD14B	1.816	37.43
ABHD2	9.085	5.36
ABHD3	2.024	3.47
ABHD4	2.509	4.1
ABHD5	1.428	1.18
ABHD6	2.343	0.04
ABHD7	1.418	0
ABHD8	2.041	3.06
ABHD9	1.81	0
ABI1	4.374	32.01
ABI1P	3.476	0.28
ABI2	1.761	3.37
ABI3	2.109	2.53
ABI3BP	4.453	0
ABL1	7.951	41.77
ABL2	3.967	5.54
ABLIM1	8.391	13.26
ABLIM2	3.393	0.27
ABLIM3	4.256	0
ABO	1.579	0.25
ABP1	4.856	0
ABR	5.402	13.76
ABRA	1.321	0
ABT1	2.255	14.65
ABTB1	3.239	9.38
ABTB2	4.149	0.21
ACAA1	1.695	17.33
ACAA2	1.584	8.93
ACACA	12.805	1.87
ACACB	9.241	0.48
ACAD10	3.959	2.98
ACAD11	3.504	8.3
ACAD8	2.231	6.03
ACAD9	2.454	2.94
ACADL	2.424	0
ACADM	2.192	1.8
ACADS	1.82	3.96
ACADSB	5.836	0.88
ACADVL	3.266	65.01
ACAN	7.428	0.03
ACAT1	1.518	7.69
ACAT2	1.455	1.84
ACBD3	3.565	7.16
ACBD4	1.979	1.65
ACBD5	2.286	3.85
ACBD6	1.06	7.19
ACBD7	2.379	0.42

ACCN1	3.443	0
ACCN2	4.008	0
ACCN3	4.202	1.06
ACCN4	2.741	0.04
ACCN5	1.692	0
ACD	2.034	3.36
ACE	7.288	0.04
ACE2	3.393	0
ACF	0.1	0
ACHE	6.598	0.04
ACIN1	6.804	27.85
ACLY	4.353	6.75
ACMSD	1.305	0
ACN9	1.89	0.31
ACO1	3.497	0.62
ACO2	2.926	17.71
ACOT1	1.603	2.16
ACOT11	3.292	0.06
ACOT12	1.821	0
ACOT2	1.76	8.32
ACOT4	1.632	0.06
ACOT6	1.004	0
ACOT7	2.389	2.15
ACOT8	1.618	4.46
ACOT9	2.385	28.34
ACOX1	7.675	2.77
ACOX2	2.296	0
ACOX3	2.411	0.99
ACOXL	2.007	0
ACP1	1.639	35.26
ACP2	2.109	11.02
ACP5	1.415	0.84
ACP6	1.788	1.82
ACPL2	3.181	0.75
ACPP	3.085	0.1
ACPT	1.867	0
ACR	1.375	1.51
ACRBP	1.886	1.36
ACRC	2.791	0.75
ACRV1	2.638	0
ACSBG1	2.83	0.04
ACSBG2	2.712	0
ACSL1	3.805	13.06
ACSL3	4.361	2.5
ACSL4	5.572	2.72
ACSL5	3.929	2.87
ACSL6	3.125	0.12
ACSM1	1.945	0.1
ACSM2	1.988	0
ACSM3	2.372	0.92

ACSS1	4.473	20.59
ACSS2	3.221	3.35
ACTA1	1.493	0.13
ACTA2	1.33	0
ACTB	4.228	204.1
ACTBL1	2.124	0
ACTBP2	1.78	37.13
ACTBP4	1.742	0.39
ACTBP7	1.121	8.82
ACTBP8	1.661	0.42
ACTC1	1.493	0.06
ACTG1	1.919	946.84
ACTG2	1.331	0
ACTGP1	1.951	0.36
ACTGP10	0.909	0.32
ACTGP2	2.102	1.79
ACTGP3	1.114	1.24
ACTGP9	1.651	1.26
ACTL6A	2.335	1.99
ACTL6B	2.99	1.09
ACTL7A	1.433	0
ACTL7B	1.34	0
ACTL8	1.825	0
ACTN1	3.994	19.55
ACTN2	4.181	0
ACTN3	2.857	0.14
ACTN4	4.125	48.16
ACTR10	1.587	6.92
ACTR1A	2.823	17.34
ACTR1B	2.052	31.87
ACTR2	3.861	33.93
ACTR3	3.212	15.22
ACTR3B	4.398	0.43
ACTR5	2.224	2.93
ACTR6	1.755	1.41
ACTR8	3.525	2.61
ACTRT1	1.437	0
ACTRT2	1.422	0
ACVR1	2.951	0.77
ACVR1B	5.536	7.92
ACVR1C	3.251	0.03
ACVR2A	5.244	1.48
ACVR2B	1.584	0.56
ACVRL1	1.971	0.3
ACY1	1.415	3
ACY1L2	4.708	2.96
ACY3	1.3	11.79
ACYP1	1.129	1.57
ACYP2	1.068	1.3
ADA	1.532	38.04

ADAL	1.559	1.27
ADAM1	2.44	2.31
ADAM10	4.586	12.6
ADAM11	4.402	0.31
ADAM12	6.395	0.02
ADAM15	3.481	6.31
ADAM17	3.845	13.02
ADAM18	2.248	0
ADAM19	7.074	2.38
ADAM2	2.643	0
ADAM20	2.792	0.18
ADAM21	2.406	0
ADAM21P	1.908	0
ADAM22	8.596	0.03
ADAM23	3.056	0
ADAM28	3.862	0.15
ADAM29	3.275	0
ADAM30	2.958	0
ADAM32	2.606	0
ADAM33	3.519	2.08
ADAM3A	74.183	0
ADAM3B	0.577	0
ADAM6	4.382	0
ADAM7	2.57	0
ADAM8	3.265	3.79
ADAM9	5.896	3.36
ADAMDEC1	2.175	0
ADAMTS1	4.651	0
ADAMTS10	4.237	0.72
ADAMTS12	4.955	0
ADAMTS13	5.81	0.2
ADAMTS14	3.878	0.1
ADAMTS15	2.853	0.04
ADAMTS16	3.227	0
ADAMTS17	3.448	0.12
ADAMTS18	6.102	0.06
ADAMTS19	5.089	0
ADAMTS2	3.708	0.16
ADAMTS20	6.337	0
ADAMTS3	5.821	0
ADAMTS4	4.331	0
ADAMTS5	9.046	0
ADAMTS6	7.268	0.1
ADAMTS7	5.487	1.43
ADAMTS8	4.012	0
ADAMTS9	7.313	0
ADAMTSL1	3.731	2.34
ADAMTSL2	3.726	0.03
ADAMTSL3	7.333	0
ADAMTSL4	4.477	7.45

ADAMTSL5	2.682	0
ADAR	9.001	27.21
ADARB1	10.69	0.07
ADARB2	5.439	5.16
ADAT1	2.727	2.11
ADC	2.182	0.04
ADCK1	2.183	1.32
ADCK2	4.728	1.32
ADCK4	2.253	3.08
ADCK5	1.965	1.51
ADCY1	25	0.03
ADCY2	6.551	0
ADCY3	4.802	10.57
ADCY4	3.292	0.48
ADCY5	3.842	0
ADCY6	6.731	14.2
ADCY7	6.142	5.24
ADCY8	5.938	0
ADCY9	7.725	2.1
ADCYAP1	1.95	0
ADCYAP1R1	3.286	0
ADD1	6.718	26
ADD2	7.587	0
ADD3	5.024	24.34
ADFP	1.98	44.42
ADH1A	1.456	0
ADH1B	2.666	0
ADH1C	1.473	0
ADH4	1.98	0
ADH5	2.644	5.42
ADH6	1.398	0.14
ADH7	2.147	0
ADHFE1	1.83	0.65
ADI1	1.627	8.33
ADIPOQ	4.578	0
ADIPOR1	3.582	31.88
ADIPOR2	3.965	17.77
ADK	2.219	3.65
ADLICANP	31.371	0
ADM	1.449	3.34
ADM2	4.05	1.44
ADMR	1.57	0
ADNP	4.916	29.82
ADORA1	2.86	0
ADORA2A	2.388	7.04
ADORA2B	1.885	0.16
ADORA2BP	1.779	0
ADORA3	3.408	0.18
ADPGK	5.153	25.38
ADPRH	3.439	0.84

ADPRHL1	2.891	0.31
ADPRHL2	1.658	9.79
ADPRTL4	23.596	0.07
ADRA1A	4.146	0
ADRA1B	2.368	1.3
ADRA1D	2.128	0.04
ADRA2A	3.65	0
ADRA2B	3.266	0.03
ADRA2C	1.958	0
ADRB1	1.723	0.17
ADRB2	2.011	0.25
ADRB3	2.644	0
ADRBK1	6.333	129.46
ADRBK2	3.628	1.39
ADRM1	1.48	26.67
ADSL	1.681	13.78
ADSS	2.757	5.2
ADSSL1	2.078	0.28
ADTB1L1	0.191	0
ADTB1L2	0.102	0
AEBP1	8.161	3.04
AEBP2	4.041	6.29
AES	2.45	154.67
AF357530	0.8	1.6
AF357532	0.8	0
AF357533	1.1	0
AF357534	0.85	0.58
AFAP1	7.668	0.92
AFAP1L1	4.153	3.02
AFAP1L2	5.512	36.11
AFAR3	1.984	0.35
AFARP1	1.324	0.52
AFF1	10.094	61.42
AFF2	13.746	0.35
AFF3	8.213	5.03
AFF4	10.012	33.83
AFG3L1	5.419	4.14
AFG3L2	2.963	6.38
AFM	1.997	0
AFMID	1.7	1.28
AFP	2.032	0
AFTPH	4.246	9.55
AGA	2.041	2.43
AGBL1	2.255	0
AGBL2	3.391	0.06
AGBL3	5.938	0.1
AGBL4	3.938	0
AGER	5.994	0
AGGF1	4.466	1.86
AGK	5.558	2.51

AGL	8.713	0.51
AGMAT	2.196	0
AGPAT1	6.897	0
AGPAT2	1.548	13.87
AGPAT3	6.609	2.41
AGPAT4	14.78	1.64
AGPAT5	4.305	10.16
AGPAT6	2.842	14.87
AGPAT7	1.908	4.52
AGPS	3.824	28.54
AGR2	3.364	0
AGR3	1.5	0
AGRN	7.319	7.09
AGRP	0.764	0
AGT	2.189	0
AGTPBP1	4.218	6.03
AGTR1	2.573	0.08
AGTR2	2.449	0
AGTRAP	3.041	1.79
AGTRL1	3.847	0
AGXT	1.599	0
AGXT2	2.165	0
AGXT2L1	2.099	0
AGXT2L2	2.826	8.65
AHCTF1	8.744	9.97
AHCTF1P	7.176	3.93
AHCY	2.11	55.7
AHCYL1	3.088	6.15
AHDC1	5.958	14.93
AHI1	5.529	1.25
AHNAK	19.263	30.19
AHR	11.628	2.82
AHRR	2.48	0.04
AHSA1	1.371	12.56
AHSA2	3.02	24.21
AHSG	1.534	0
AICDA	2.791	0
AIF1	6.222	0
AIFM1	2.346	3.12
AIFM2	3.24	0.4
AIFM3	2.721	0
AIG1	1.385	0.07
AIM1	8.653	13.55
AIM1L	1.831	0.11
AIM2	1.484	0.13
AIP	1.212	29.96
AIPL1	2.971	0
AIRE	3.16	0.16
AJAP1	2.922	0
AK1	2.277	7.25

AK2	4.069	6.27
AK2B	1.978	1.6
AK3	2.642	14.31
AK3L1	2.669	0.37
AK3L2	0.672	0
AK3P1	0.672	0
AK5	4.44	0.04
AK7	2.649	0
AKAP1	3.799	1.82
AKAP10	2.917	5.6
AKAP11	15.075	1.36
AKAP12	9.449	16.89
AKAP13	16.435	45.53
AKAP14	1.006	0.2
AKAP2	6.866	8.14
AKAP3	3.02	0
AKAP4	3.188	0
AKAP5	2.601	0
AKAP6	10.342	0.01
AKAP7	3.121	0.41
AKAP8	3.531	13.11
AKAP8L	4.571	22.56
AKAP9	28.573	1.72
AKNA	5.378	23.35
AKR1A1	1.535	23.53
AKR1B1	3.558	30.56
AKR1B10	3.07	0
AKR1C1	1.379	0.21
AKR1C2	1.59	0.06
AKR1C3	1.224	1.21
AKR1C4	1.194	0
AKR1CL1	2.131	0
AKR1CL2	1.61	0.61
AKR1D1	5.384	0
AKR1D1P	1.048	0
AKR7A2	1.362	6.25
AKR7A3	1.241	0.88
AKT1	3.333	12.03
AKT1S1	2.327	7.18
AKT2	4.257	50.23
AKT3	3.856	0.34
AKTIP	2.334	1.53
ALAD	3.54	2.4
ALAS1	2.563	4.94
ALAS2	2.367	6.11
ALB	2.216	0
ALCAM	4.741	4.76
ALDH16A1	2.607	8.54
ALDH18A1	3.616	1.88
ALDH1A1	2.096	0.43

ALDH1A2	3.563	0
ALDH1A3	3.442	0.03
ALDH1B1	3.025	0
ALDH1L1	3.125	0
ALDH1L2	2.794	0
ALDH2	2.4	1.32
ALDH3A1	1.641	0.12
ALDH3A2	5.861	0.19
ALDH3B1	2.815	1.02
ALDH3B2	2.689	0
ALDH4A1	3.56	0.81
ALDH5A1	5.17	9.55
ALDH6A1	2.183	0.59
ALDH7A1	1.882	5.04
ALDH7A1P1	1.816	3.27
ALDH8A1	2.542	0.35
ALDH9A1	2.696	2.9
ALDOA	2.736	71.31
ALDOAP1	1.97	2.06
ALDOAP2	1.076	8.46
ALDOB	1.653	0
ALDOC	1.651	0.84
ALDRP	1.596	0.99
ALF	1.924	0
ALG1	2.132	0.6
ALG10	3.128	0.92
ALG10B	1.763	1.29
ALG11	2.538	2.42
ALG12	2.375	14.75
ALG13	1.327	5.44
ALG14	1.015	0.39
ALG2	2.83	5.84
ALG3	1.52	3.32
ALG5	1.127	7.46
ALG6	1.979	1.55
ALG8	1.997	1.14
ALG9	2.07	8.79
ALK	6.22	0
ALKBH1	4.512	1.18
ALKBH2	0.996	2.68
ALKBH3	1.519	5.21
ALKBH4	4.14	1.72
ALKBH5	2.963	16.5
ALKBH6	1.239	5.19
ALKBH7	1.11	18.54
ALKBH8	1.677	1.18
ALLC	2.747	0
ALMS1	12.922	1.06
ALOX12	2.335	1.18
ALOX12B	2.471	0

ALOX12P1	0.431	0
ALOX12P2	52.658	0.04
ALOX15	2.684	0.07
ALOX15B	2.873	0
ALOX5	5.046	26.78
ALOX5AP	0.873	11.9
ALOXE3	3.362	0
ALPI	2.516	0
ALPK1	4.28	1.92
ALPK2	6.483	0.03
ALPK3	10.914	0.04
ALPL	2.582	0.61
ALPP	2.867	0
ALPPL2	2.486	0
ALS2	6.47	1.07
ALS2CL	5.048	1.08
ALS2CR11	2.104	0
ALS2CR12	1.78	0.39
ALS2CR13	5.463	2.18
ALS2CR16	0.883	0.12
ALS2CR2	2.174	2.41
ALS2CR4	2.076	0.67
ALS2CR7	1.534	0
ALS2CR8	3.44	1.15
ALX3	1.771	0.17
ALX4	1.586	0
AMAC1	1.839	0
AMAC1L1	1.201	0
AMAC1L2	1.201	0.08
AMAC1L3	1.195	0
AMACR	4.247	0.3
AMBN	1.977	0
AMBP	1.397	0
AMD1	3.895	42.98
AMDHD1	2.135	0
AMDHD2	1.521	3.45
AMDP1	1.569	0.25
AMELX	0.835	0
AMELY	0.802	0
AMFR	3.594	33.64
AMH	2.008	0.05
AMHR2	1.855	0
AMICA1	1.959	0.51
AMIGO1	2.439	0.12
AMIGO2	3.763	0.24
AMIGO3	2.159	2.2
AMMECR1	5.417	1.32
AMMECR1L	4.648	2.98
AMN	1.896	0.94
AMN1	1.966	1.26

AMOT	6.514	1.05
AMOTL1	8.999	2.36
AMOTL2	4.984	1.08
AMPD1	2.341	0
AMPD2	4.711	5.4
AMPD3	5.396	0.46
AMPH	6.542	0.02
AMT	2.103	6.03
AMTN	0.996	0
AMY1A	2.03	0
AMY1B	1.838	0
AMY1C	1.86	0
AMY2A	1.632	0.06
AMY2B	2.181	2.68
AMYP1	6.17	0
AMZ1	8.83	0.29
AMZ2	2.246	9.07
ANAPC1	6.312	4.62
ANAPC10	0.918	5.49
ANAPC11	2.156	5.64
ANAPC13	1.17	7.02
ANAPC2	3.947	15.74
ANAPC4	2.672	3.37
ANAPC5	2.644	31.58
ANAPC7	2.057	6.4
ANG	0.789	0
ANGEL1	4.058	2.76
ANGEL2	4.649	3.83
ANGPT1	4.338	0
ANGPT2	2.227	8.67
ANGPT4	1.922	0
ANGPTL1	3.546	0.14
ANGPTL2	3.572	0
ANGPTL3	2.126	0.04
ANGPTL4	1.903	0.11
ANGPTL5	2.37	0
ANGPTL6	1.857	0.85
ANGPTL7	2.238	0.09
ANK1	12.022	0.14
ANK2	14.15	0
ANK3	15.717	0.04
ANKAR	4.109	0.29
ANKDD1A	2.802	0.84
ANKFN1	2.426	0
ANKFY1	8.089	3.29
ANKH	4.086	0.48
ANKHD1	8.554	8.07
ANKIB1	13.01	1.15
ANKK1	2.543	0
ANKMY1	3.595	3.41

ANKMY2	5	1.03
ANKRA2	2.047	5.17
ANKRD1	1.974	0
ANKRD10	5.247	35.77
ANKRD11	21.966	27.03
ANKRD12	9.036	6.81
ANKRD13A	3.91	12.35
ANKRD13B	2.632	1.16
ANKRD13C	3.009	6.71
ANKRD13D	2.219	8.29
ANKRD15	8.075	0.51
ANKRD16	2.49	1
ANKRD17	9.375	5.84
ANKRD18A	2.421	0
ANKRD18B	4.327	0
ANKRD19	2.234	16.87
ANKRD2	1.451	0
ANKRD20A1	3.511	0
ANKRD20A2	3.511	0
ANKRD20A3	3.964	0
ANKRD20B	100.107	0
ANKRD21	1.826	0
ANKRD22	1.127	0.27
ANKRD23	2.582	0.69
ANKRD24	3.861	0.11
ANKRD25	5.188	35.24
ANKRD26	5.36	1
ANKRD27	4.423	1.5
ANKRD28	6.805	9.96
ANKRD29	2.276	0.48
ANKRD30A	4.458	0
ANKRD30B	3.429	0
ANKRD31	6.036	0
ANKRD32	1.854	2.24
ANKRD33	1.935	0
ANKRD34	3.612	0.36
ANKRD35	3.323	0.09
ANKRD36	2.905	0.96
ANKRD37	0.934	0.95
ANKRD38	4.493	0
ANKRD39	0.837	1.65
ANKRD40	2.03	8.91
ANKRD41	2.907	0.65
ANKRD42	2.302	0.3
ANKRD43	3.2	0
ANKRD44	3.686	4.19
ANKRD45	2.671	0.04
ANKRD46	2.779	0.46
ANKRD47	2.786	0.85
ANKRD49	1.905	8.52

ANKRD5	3.823	0.08
ANKRD50	7.763	0.36
ANKRD53	1.962	0.1
ANKRD54	2.049	4.54
ANKRD55	2.837	0.07
ANKRD56	2.921	0
ANKRD57	4.673	0
ANKRD58	1.725	2.24
ANKRD6	2.969	0.06
ANKRD7	2.126	0
ANKRD9	1.626	0.3
ANKS1A	6.348	5.72
ANKS1B	6.543	0
ANKS3	2.662	2.27
ANKS4B	2.906	0
ANKS6	7.147	0.25
ANKZF1	3.38	30.47
ANLN	9.54	0.32
ANP32A	2.464	32.56
ANP32B	1.461	97.86
ANP32C	0.705	6.59
ANP32D	0.396	2.5
ANP32E	3.269	5.11
ANPEP	3.478	1.54
ANTXR1	6.746	0.09
ANTXR2	3.864	10.91
ANTXRL	1.946	0
ANUBL1	3.241	2.38
ANXA1	1.399	7.78
ANXA10	1.428	0
ANXA11	3.783	35.02
ANXA13	1.593	0
ANXA2	1.81	21.04
ANXA2P1	1.343	0.81
ANXA2P2	1.298	13.41
ANXA2P3	1.355	1.09
ANXA3	1.331	1.93
ANXA4	1.957	2.22
ANXA5	1.632	0.79
ANXA6	2.915	21.31
ANXA7	2.173	22.18
ANXA8	2.03	0
ANXA9	1.765	0.17
AOAH	4.498	0.11
AOC2	2.87	0.07
AOC3	4.026	0.08
AOF1	3.811	1.32
AOF2	5.091	30.18
AOX1	4.934	0.02
AOX2	24.514	0.18

AP1B1	6.129	65.1
AP1G1	6.85	31.63
AP1G2	4.161	27.63
AP1GBP1	5.098	2.95
AP1M1	2.284	8.8
AP1M2	1.889	1.68
AP1S1	2.466	0.84
AP1S2	2.283	3.56
AP1S3	4.002	0.22
AP2A1	3.499	12.98
AP2A2	5.42	16.55
AP2B1	5.763	11.37
AP2M1	2.172	62.32
AP2S1	0.89	22.01
AP3B1	3.986	7.77
AP3B2	3.704	0
AP3D1	4.868	16.32
AP3M1	3.713	10.23
AP3M2	3.471	6.55
AP3S1	2.045	9.82
AP3S2	2.562	5.02
AP4B1	2.434	8.94
AP4E1	6.682	2.36
AP4M1	3.634	1.66
AP4S1	1.572	0.25
APAF1	10.362	1.57
APBA1	3.778	0
APBA2	3.623	0.41
APBA2BP	2.168	1.6
APBA3	2.158	2.2
APBB1	2.711	2.08
APBB1IP	3.072	14.98
APBB2	4.564	0
APBB3	2.273	9.96
APC	10.702	1.92
APC2	10.151	0.03
APCDD1	2.558	2.36
APCDD1L	3.112	0
APCS	0.931	0
APEH	2.758	2.98
APEX1	2.134	59.62
APEX2	1.977	4.81
APH1A	2.276	64.81
APH1B	0.939	0.95
API5	3.734	9.11
APIP	1.225	7.43
APITD1	2.796	0.28
APLN	3.116	0.04
APLP1	2.474	0
APLP2	3.721	8.99

APOA1	0.897	2.43
APOA1BP	1.121	6.97
APOA2	0.473	0
APOA4	1.46	0
APOA5	1.867	0
APOB	14.121	0
APOB48R	3.722	2.76
APOBEC1	0.892	0
APOBEC2	1.186	0.08
APOBEC3A	1.348	1.25
APOBEC3B	1.536	0.52
APOBEC3C	1.127	5.18
APOBEC3D	1.114	0.71
APOBEC3E	4.687	0.23
APOBEC3F	2.971	0.67
APOBEC3G	1.708	4.35
APOBEC3H	0.916	1.19
APOBEC4	2.648	0
APOC1	0.461	0.21
APOC2	0.721	0
APOC3	0.533	0
APOC4	0.613	0
APOD	1.04	0
APOE	1.18	0.76
APOF	1.689	0.12
APOH	1.171	0
APOL1	3.073	1.32
APOL2	2.889	5.37
APOL3	5.534	13.27
APOL4	3.478	0.28
APOL5	1.438	0
APOL6	10.139	5.24
APOLD1	4.569	51.47
APOM	2.283	0
APOO	1.104	1.98
APOOL	0.911	2.93
APP	3.627	15.9
APPBP1	2.113	12.64
APPBP2	6.544	2.76
APPL1	5.969	4.64
APPL2	3.23	9.55
APR-2	0.794	0
APRIN	7.437	5.24
APRT	1.301	38.79
APTX	4.391	1.64
APXLP	2.163	0
AQP1	5.508	0.23
AQP10	1.791	0
AQP11	1.446	0.34
AQP12A	1.084	0

AQP2	4.174	0
AQP3	1.824	2.12
AQP4	5.633	0
AQP5	1.32	0
AQP6	2.654	0
AQP7	1.256	0
AQP7P1	22.458	0.08
AQP7P2	19.277	0
AQP7P3	17.513	0.01
AQP8	1.308	0.38
AQP9	2.949	1.48
AQR	5.08	6.21
AR	4.496	0
ARAF	3.614	19.87
ARAFPS2	2.036	0.24
ARC	2.943	0.57
ARCN1	3.904	7.83
ARD1A	0.882	24.68
AREG	1.238	1.68
ARF1	2.507	121.87
ARF1P1	4.87	0.53
ARF3	3.595	22.49
ARF4	1.603	13.34
ARF4P	0.543	6.19
ARF4P2	0.827	0
ARF4P3	4.223	0.03
ARF5	2.16	32.43
ARF6	1.798	52.22
ARFGAP1	3.496	18.17
ARFGAP3	2.725	10.31
ARFGEF1	8.312	9.19
ARFGEF2	7.05	10.55
ARFIP1	3.223	0.15
ARFIP2	2.596	12.35
ARFRP1	1.74	5.57
ARG1	1.447	3.89
ARG2	1.981	8.14
ARGFX	5.065	0.08
ARGFXP1	4.865	0.04
ARGFXP2	1.215	0
ARHGAP1	3.346	11.23
ARHGAP10	3.056	2.2
ARHGAP11A	6.021	0.94
ARHGAP12	4.172	9.06
ARHGAP15	1.695	9.51
ARHGAP16P	0.781	0
ARHGAP17	7.049	29.28
ARHGAP18	3.499	0.4
ARHGAP19	5.463	1.38
ARHGAP20	6.189	0

ARHGAP21	7.109	14.09
ARHGAP22	2.749	1.26
ARHGAP23	6.475	3.41
ARHGAP24	5.651	12.22
ARHGAP25	3.561	8.61
ARHGAP26	9.041	2.05
ARHGAP27	3.993	54.23
ARHGAP28	5.768	0
ARHGAP29	5.573	11.59
ARHGAP30	5.412	11.11
ARHGAP4	3.235	125.52
ARHGAP5	9.749	2.9
ARHGAP6	10.149	0
ARHGAP8	1.725	0.17
ARHGAP9	2.912	14.3
ARHGDIA	1.862	131.99
ARHGDIB	1.216	368.33
ARHGDIG	0.942	0.11
ARHGEF1	5.005	58.11
ARHGEF10	5.591	0.41
ARHGEF10L	4.494	0
ARHGEF11	6.889	1
ARHGEF12	9.501	0.13
ARHGEF15	4.165	0.03
ARHGEF16	2.183	0.22
ARHGEF17	9.443	21.17
ARHGEF18	5.345	19.7
ARHGEF19	3.029	0.16
ARHGEF2	4.908	40.68
ARHGEF3	3.56	3.42
ARHGEF4	5.561	0.05
ARHGEF5	10.976	0.49
ARHGEF6	5.272	6.56
ARHGEF7	18.185	83.98
ARHGEF9	5.412	3.64
ARID1A	9.417	27.28
ARID1B	8.264	10.39
ARID2	8.466	8.17
ARID3A	2.724	1.27
ARID3B	4.205	3.79
ARID3C	1.239	0
ARID4A	5.187	17.09
ARID4B	6.374	11.35
ARID5A	5.392	175.5
ARID5B	7.737	34.8
ARIH1	4.911	37.77
ARIH2	5.434	21.19
ARL1	3.199	3.65
ARL10	2.402	0.04
ARL11	3.76	1.45

ARL13A	1.002	0
ARL13B	5.449	0.05
ARL14	1.29	0
ARL15	2.486	0.64
ARL16	1.207	13.6
ARL17P1	0.798	0.5
ARL2	0.895	5.41
ARL2BP	2.1	11.69
ARL3	3.87	1.64
ARL4A	6.872	0.16
ARL4C	4.009	2.35
ARL4D	1.585	8.05
ARL4P2	1.147	0
ARL5A	3.594	4.19
ARL5B	3.589	2.65
ARL6	1.453	0
ARL6IP1	2.264	21.46
ARL6IP2	2.254	12.99
ARL6IP4	2.479	34.85
ARL6IP5	2.128	28.82
ARL6IP6	1.762	3.32
ARL8A	2.345	16.08
ARL8B	2.985	21.38
ARL9	0.836	1.54
ARMC1	2.649	2.57
ARMC10	5.258	1.11
ARMC2	3.239	0.58
ARMC3	2.802	0
ARMC4	3.572	0
ARMC5	4.672	2.27
ARMC6	2.289	3.72
ARMC7	2.126	0.7
ARMC8	5.759	5.34
ARMC9	2.178	0.13
ARMCX1	2.141	7.39
ARMCX2	3.079	0.29
ARMCX3	3.838	14.64
ARMCX4	3.833	3.95
ARMCX5	2.944	3.53
ARMCX6	1.848	6.74
ARMET	0.875	12.67
ARMETL1	1.33	0.67
ARMS2	0.808	0
ARNT	7.267	4.2
ARNT2	6.559	0.07
ARNTL	3.015	3.08
ARNTL2	1.93	0.15
ARP11	2.436	0.16
ARPC1A	3.186	4.88
ARPC1B	3.04	15.1

ARPC2	3.057	41.92
ARPC3	1.412	46.46
ARPC3B	0.8	3.34
ARPC4	2.484	29.47
ARPC5	1.982	12.53
ARPC5L	4.148	49.01
ARPM1	2.001	0.2
ARPP-19	5.978	27.3
ARPP-21	5.489	0.21
ARR3	1.292	0.23
ARRB1	2.58	4.03
ARRB2	2.388	42.26
ARRDC1	2.205	10.82
ARRDC2	3.32	109.15
ARRDC3	4.133	16.8
ARRDC4	4.049	3.76
ARRDC5	1.638	1.81
ARS2	6.954	12.13
ARSA	2.326	10.98
ARSB	6.829	1.39
ARSD	6.319	1.58
ARSDP	24.443	0.02
ARSE	1.858	0
ARSEP	15.262	0.02
ARSF	2.012	0
ARSG	2.013	0.05
ARSH	1.689	0
ARSI	1.71	1.16
ARSJ	4.536	0
ARSK	2.381	0.2
ART1	1.312	0
ART2P	0.69	0
ART3	1.525	0
ART4	1.371	0
ART5	1.451	0
ARTN	2.631	9.44
ARTS-1	5.327	5.85
ARV1	1.445	0.89
ARVCF	4.019	1.5
ARX	2.184	0
AS3MT	1.729	0.57
ASAH1	2.636	8.75
ASAH2	2.289	0
ASAH3	0.795	0
ASAH3L	2.852	0.66
ASAHL	1.238	7.75
ASAM	2.643	0.07
ASB1	6.833	0.51
ASB10	3.64	0
ASB11	1.151	0

ASB12	1.069	0.09
ASB13	2.699	20.6
ASB14	2.199	2.29
ASB15	5.412	0
ASB16	2.139	11.38
ASB17	1.105	0
ASB18	2.293	0
ASB2	2.742	0
ASB3	2.373	6.21
ASB4	4.54	0
ASB5	2.929	0
ASB6	8.472	3.7
ASB7	3.748	4.17
ASB8	2.799	14.43
ASB9	2.735	1.09
ASCC1	2.076	15.82
ASCC2	2.781	15.01
ASCC3	10.492	1.59
ASCC3L1	7.355	49.73
ASCIZ	4.866	2.64
ASCL1	2.469	0
ASCL2	1.849	0.27
ASCL3	0.65	0
ASCL4	2.254	0
ASCL5	0.837	0
ASF1A	2.059	2.12
ASF1B	1.731	1.6
ASGR1	1.283	1.16
ASGR2	1.747	0.4
ASH1L	9.926	6.61
ASH2L	2.36	7.63
ASH2LP1	1.411	0
ASIP	0.584	0.34
ASL	4.344	1.43
ASLL	4.186	1.7
ASMT	1.37	1.37
ASMTL	1.891	10.15
ASNA1	1.28	14.53
ASNS	5.904	0.75
ASNSD1	2.448	5.78
ASPA	1.418	0
ASPH	7.176	0.1
ASPHD1	1.478	0.13
ASPHD2	2.857	8.93
ASPM	10.434	0.37
ASPN	2.47	0
ASPSCR1	1.843	4.3
ASRGL1	1.321	0.07
ASS1	1.67	0.47
ASSP10	1.545	0

ASSP12	1.227	0.24
ASSP2	1.51	0
ASSP4	1.52	0
ASSP5	1.498	0
ASSP6	1.529	0
ASSP8	0.876	0
ASSP9	1.542	0.06
ASTE1	2.662	0.67
ASTL	1.296	0.23
ASTN1	7.524	0
ASTN2	5.917	0.04
ASXL1	7.033	18.82
ASXL2	7.216	1.21
ASXL3	7.537	0
ASZ1	3.662	0
ATAD1	3.034	6.69
ATAD2	4.896	5.5
ATAD2B	8.103	3.85
ATAD3A	2.611	2.46
ATAD3B	2.433	7.61
ATAD3C	1.817	0.05
ATAD4	1.385	0
ATAD5	6.245	1.96
ATBF1	12.106	2.56
ATCAY	3.41	0
ATE1	2.338	1.69
ATF1	1.551	1.59
ATF2	2.677	13.68
ATF3	3.801	4.09
ATF4	2.502	101.99
ATF5	2.008	5.27
ATF6	3.249	19.86
ATF7	3.4	5.59
ATF7IP	4.893	30.43
ATF7IP2	5.031	10.34
ATG10	1.817	0.33
ATG12	2.359	5.41
ATG16L1	3.738	9.77
ATG16L2	2.627	14.5
ATG3	1.242	31.7
ATG4A	2.889	2.19
ATG4B	4.659	11.42
ATG4C	1.901	0.47
ATG4D	1.896	25.3
ATG5	3.244	4.03
ATG7	2.362	1.55
ATG9A	3.69	33.46
ATG9B	9.599	0.28
ATHL1	4.231	39.21
ATIC	1.91	5.02

ATM	13.471	3.43
ATN1	4.419	58.1
ATOH1	1.065	0
ATOH7	1.475	0.07
ATOH8	2.435	1.87
ATOX1	0.489	11.73
ATP10A	6.947	8.2
ATP10B	6.896	0.05
ATP10D	6.55	0.6
ATP11A	14.122	4.97
ATP11B	7.524	11.19
ATP11C	8.735	0.83
ATP12A	3.565	0
ATP13A1	3.483	12.56
ATP13A2	3.84	16.91
ATP13A3	4.102	3.57
ATP13A4	4.274	0.03
ATP13A5	3.657	0
ATP1A1	4.27	13.41
ATP1A2	5.436	0
ATP1A3	3.551	0.36
ATP1A4	4.364	0
ATP1B1	2.987	0.1
ATP1B2	3.332	0
ATP1B3	2.04	43.89
ATP1B3P1	2.014	1.43
ATP1B4	3.856	0
ATP1BL1	2.051	0.04
ATP2A1	3.866	0.97
ATP2A2	6.441	18.41
ATP2A3	9.79	14.75
ATP2B1	10.18	1.52
ATP2B2	6.805	0.03
ATP2B3	9.526	0
ATP2B4	13.443	2.99
ATP2C1	6.082	3.51
ATP2C2	3.6	0.03
ATP4A	3.559	0
ATP4B	1.488	0.13
ATP5A1	2.035	125.83
ATP5B	2.509	122.64
ATP5C1	1.291	41.77
ATP5C2	0.1	0
ATP5D	1.088	39.56
ATP5E	0.533	260.06
ATP5EP1	0.419	0
ATP5F1	2.116	35.59
ATP5G1	0.702	7.61
ATP5G2	1.437	147.55
ATP5G3	2.863	19.87

ATP5GP1	0.628	8.04
ATP5GP2	0.563	2.46
ATP5GP3	0.547	0
ATP5GP4	0.525	1.32
ATP5H	0.622	22.11
ATP5I	0.36	153.08
ATP5J	3.357	7.11
ATP5J2	1.557	16.96
ATP5J2P2	0.428	38.14
ATP5L	1.338	103.08
ATP5L2	0.799	1.49
ATP5LP1	0.453	0
ATP5LP2	0.411	22.87
ATP5LP3	0.71	2.78
ATP5O	0.806	70.21
ATP5S	2.424	2.33
ATP6	0.681	0
ATP6AP1	2.099	21.26
ATP6AP2	2.037	9.42
ATP6V0A1	4.122	0.48
ATP6V0A2	4.681	1.9
ATP6V0A4	6.714	0.04
ATP6V0B	2.654	43.51
ATP6V0C	2.108	82.65
ATP6V0D1	1.67	40.34
ATP6V0D2	2.37	0
ATP6V0E1	0.882	19.63
ATP6V0E2	5.452	0.78
ATP6V1A	4.861	11.19
ATP6V1B1	1.939	0
ATP6V1B2	3.044	22.2
ATP6V1C1	5.761	1.01
ATP6V1C2	3.24	3.88
ATP6V1D	1.669	3.73
ATP6V1E1	1.406	38.84
ATP6V1E2	1.979	0.2
ATP6V1F	1.382	23.34
ATP6V1G1	1.611	55.21
ATP6V1G2	5.742	0
ATP6V1G3	1.122	0
ATP6V1GP2	1.006	0
ATP6V1H	2.27	9.89
ATP7A	8.03	0.63
ATP7B	6.642	0.07
ATP8	0.207	0
ATP8A1	3.793	2.09
ATP8A2	3.904	1.8
ATP8B1	3.891	0.05
ATP8B2	6.568	6.67
ATP8B3	5.09	0.1

ATP8B4	5.677	0.16
ATP9A	7.58	0.81
ATP9B	4.358	3.01
ATPAF1	1.758	2.76
ATPAF2	1.552	10.77
ATPBD1B	1.956	10.42
ATPBD1C	1.459	1.63
ATPBD3	1.151	0.86
ATPBD4	2.094	0.38
ATPIF1	2.607	12.41
ATQL3	1.048	0
ATQL4	0.45	0
ATR	8.232	2.14
ATRN	8.87	1.11
ATRNL1	6.13	5.07
ATRX	10.758	4.16
ATXN1	10.636	0.17
ATXN10	2.963	9.31
ATXN2	4.702	2.38
ATXN2L	7.234	26.12
ATXN3	4.64	3.96
ATXN3L	1.288	0.08
ATXN7	5.531	11.47
ATXN7L2	2.318	1.75
ATXN7L4	2.94	0.13
ATXN8OS	1.148	0
AUH	1.549	3
AUP1	1.603	34.01
AURKA	2.817	0.18
AURKAIP1	0.752	25.78
AURKB	1.236	4.4
AURKC	1.513	0.52
AUTS2	13.054	15.93
AVEN	1.531	1.29
AVIL	2.711	0.22
AVP	0.619	0.32
AVPI1	1.347	0.52
AVPR1A	4.154	0
AVPR1B	2.269	0
AVPR2	1.804	0.88
AXIIR	2.393	13.11
AXIN1	3.448	6.05
AXIN2	4.259	5.9
AXL	5.022	0.04
AXUD1	3.625	76.09
AYP1p1	1.173	0.17
AYTL1	1.919	1.7
AYTL2	3.946	3.36
AZGP1	2.434	1.18
AZI1	3.619	7.38

AZI2	3.115	4.76
AZIN1	4.348	19.43
AZU1	0.912	4.77
B2M	0.987	1257.51
B3GALNT1	3.641	0
B3GALNT2	2.009	0.99
B3GALT1	2.168	0
B3GALT2	3.213	0.03
B3GALT4	5.058	0
B3GALT5	3.818	0
B3GALT6	2.774	1.64
B3GALTL	3.439	0.58
B3GAT1	3.805	0.23
B3GAT2	0.972	0
B3GAT3	1.704	14.81
B3GNT1	2.07	0.48
B3GNT2	2.749	18.79
B3GNT3	2.72	0
B3GNT4	1.504	0.2
B3GNT5	4.123	0.6
B3GNT6	2.471	0
B3GNT7	1.434	0.42
B3GNT8	1.874	0.58
B3GNTL1	1.383	4.15
B4GALNT1	3.01	0
B4GALNT2	1.792	0
B4GALNT3	3.438	0.09
B4GALNT4	3.12	0.16
B4GALT1	5.386	64.49
B4GALT2	2.313	2.69
B4GALT3	1.949	9.49
B4GALT4	2.344	8.27
B4GALT5	4.645	3.48
B4GALT6	3.832	1.4
B4GALT7	1.659	5.07
bA16L21.2.1	2.472	1.76
bA291L22.4	2.359	0
bA327L3.4	1.501	31.11
bA345E19.2	0.626	0.63
BA393J16.4	2.344	0
bA395L14.12	1.012	4.11
BA775A3.1	0.479	0
bA9F11.1	0.507	0
BAALC	6.555	24.39
BAAT	3.108	0
BACE1	5.983	0.96
BACE2	4.22	0.03
BACH1	6.731	7.67
BACH2	11.225	7.64
BAD	1.197	8.27

BAG1	3.858	5.31
BAG2	1.545	0.06
BAG3	2.571	2.15
BAG4	2.182	3.81
BAG5	6.783	5.32
BAGE	0.967	0
BAGE4	1.755	0.23
BAHCC1	10.708	0.12
BAHD1	4.517	3.41
BAI1	5.528	0.02
BAI2	5.399	0
BAI3	5.218	0
BAIAP2	4.925	0.22
BAIAP2L1	4.06	0.07
BAIAP2L2	2.707	5.56
BAIAP3	4.523	2.52
BAK1	2.098	15.8
BAMBI	1.724	0.17
BANF1	1.152	6.53
BANK1	3.239	13.9
BANP	2.812	6.68
BAP1	4.08	30.8
BAPX1	2.165	0
BARD1	3.477	13.97
BARHL1	1.907	0.05
BARHL2	1.496	0
BARX1	1.482	0.13
BARX2	1.454	0
BASP1	1.797	4.4
BAT1	6.405	0.43
BAT2	20.793	0.2
BAT2D1	10.728	25.49
BAT3	13.001	0.15
BAT4	5.691	0.05
BAT5	5.88	0.05
BATF	0.939	1.48
BATF2	2.14	0
BAX	1.799	15.79
BAZ1A	6.016	3.56
BAZ1B	15.31	1.92
BAZ2A	10.772	58.32
BAZ2B	8.145	4.44
BBC3	3.736	39.93
BBOX1	1.584	0
BBS1	3.37	2.91
BBS10	3.329	0.33
BBS12	3.244	0.12
BBS2	2.963	3.27
BBS4	2.482	0.92
BBS5	3.157	0.44

BBS7	4.244	0.12
BBS9	8.038	0.28
BBX	4.668	7.67
BC37295_3	1.68	0.12
BCAM	3.203	1.82
BCAN	4.691	0
BCAP29	17.418	3.19
BCAP31	1.324	21.6
BCAR1	3.217	0
BCAR3	3.171	1.12
BCAS1	2.816	0.04
BCAS2	1.304	10.77
BCAS3	3.496	1.56
BCAS4	2.034	0.83
BCAT1	8.191	1.11
BCAT2	1.58	2.13
BCCIP	3.261	7.07
BCDIN3	6.043	9.25
BCDO2	3.185	0.21
BCHE	2.443	0
BCKDHA	1.764	10.66
BCKDHB	3.996	0.25
BCKDK	1.83	5.68
BCL10	2.786	4.33
BCL11A	14.609	16.75
BCL11B	7.816	0.52
BCL2	7.205	0.84
BCL2A1	0.884	4.7
BCL2L1	2.934	26.67
BCL2L10	0.887	0.44
BCL2L11	10.823	7.27
BCL2L12	1.855	11.84
BCL2L13	3.367	2.03
BCL2L14	3.737	0.08
BCL2L2	3.54	27.92
BCL2L7P1	0.636	5.92
BCL2L7P2	0.632	0.16
BCL3	1.81	13.61
BCL6	4.505	20.89
BCL6B	3.525	6.79
BCL7A	6.696	69.93
BCL7B	4.604	6.49
BCL7C	1.136	15.5
BCL9	6.278	0.28
BCL9L	7.536	3.4
BCLAF1	6.2	31.04
BCMO1	2.427	0
BCOR	9.421	3.25
BCORL1	6.74	0.49
BCORL2	51.184	0.11

BCR	8.218	28.05
BCRL4	6.52	0.03
BCS1L	1.584	4.37
BCYRN1	0.2	1.98
BCYRN1P1	0.204	1.94
BDH1	3.689	0.72
BDH2	2.92	3.76
BDH2P1	2.9	1.19
BDKRB1	1.289	0.08
BDKRB2	4.263	1
BDNF	6.564	0
BDNFOS	2.322	0.21
BDP1	14.404	1.31
BECN1	2.112	23.05
BEST1	2.673	3.93
BEST2	1.846	0
BEST3	4.611	0.09
BEST4	2.045	0.63
BET1	6.122	0.2
BET1L	2.916	19.14
BEX1	0.862	0
BEX2	0.87	0.68
BEXL1	1.601	30.41
BFAR	2.53	6.18
BFSP1	2.167	0.04
BFSP2	1.626	0
BGLAP	0.48	0.83
BGN	2.38	0.37
BHLHB2	2.919	21.86
BHLHB3	3.623	0.16
BHLHB4	0.942	0
BHLHB5	3.373	0
BHLHB8	1.437	3.78
BHLHB9	3.973	0
BHMT	2.416	0
BHMT2	2.007	0
BIC	12.969	0.08
BICC1	3.119	0
BICD1	4.541	0.57
BICD2	8.726	8.65
BID	2.812	2.57
BIK	0.95	0.11
BIN1	3.161	10.3
BIN2	2.211	2.23
BIN3	1.797	9.41
BIRC2	3.743	6.35
BIRC3	5.342	0.82
BIRC4	8.413	3.33
BIRC5	4.871	0.84
BIRC6	16.069	5.04

BIRC7	1.516	0
BIRC8	2.022	0
BIVM	3.857	0.87
BLCAP	2.043	32.73
BLK	2.59	4.44
BLM	4.417	0.6
BLMH	2.417	17.03
BLNK	1.816	9.42
BLOC1S1	0.1	159.29
BLOC1S2	0.1	170.17
BLOC1S3	0.1	11.87
BLR1	4.074	0.49
BLVRA	2.162	4.3
BLVRB	0.797	5.71
BLZF1	2.318	0.47
BLZF2P	3.453	0.03
BMF	12.999	62.86
BMI1	3.203	3.21
BMP1	4.654	2.66
BMP10	1.584	0
BMP15	1.179	0
BMP2	3.15	33.7
BMP2K	5.75	16.16
BMP2KL	1.236	0.08
BMP3	1.774	0.22
BMP4	2.383	0
BMP5	2.172	0
BMP6	2.872	0.11
BMP6P1	1.647	0
BMP7	1.879	0
BMP8A	5.626	0.41
BMP8B	3.773	0.13
BMPER	10.064	0.01
BMPR1A	3.616	0.05
BMPR1B	2.035	0.29
BMPR2	11.449	1.49
BMS1L	4.208	7.26
BMX	2.623	0.04
BNC1	4.612	0
BNC2	12.926	0.02
BNIP1	1.783	2.67
BNIP2	2.987	27.95
BNIP3	1.534	3.29
BNIP3L	4.058	36.3
BNIP3P	1.533	0.59
BNIPL	2.489	0
BOAT	1.198	9.83
BOC	4.281	2.04
BOK	2.601	0.04
BOLA1	0.808	2.57

BOLA2	1.778	5.01
BOLA2B	1.012	8.8
BOLA3	0.812	2.92
BOLL	3.206	0
BOP1	2.373	6.33
BP75	0.453	0
BPGM	5.956	0.52
BPHL	1.517	0.59
BPI	1.812	2.24
BPIL1	1.897	0
BPIL2	1.524	0
BPIL3	1.362	0
BPNT1	2.452	0.68
BPTF	11.778	7.09
BPY2	1.206	0
BPY2B	1.206	0
BPY2C	1.206	0
BRAF	5.738	4.96
BRAF2	0.774	1.03
BRAP	2.819	18.88
BRCA1	11.393	0.16
BRCA1P1	1.686	1.65
BRCA2	11.386	0.6
BRCC2	0.862	0
BRCC3	2.914	1.15
BRD1	7.122	33.48
BRD2	14.079	0.62
BRD3	3.069	4.38
BRD4	7.957	33.97
BRD7	2.204	6.19
BRD7P	2.082	0.19
BRD8	4.913	5.08
BRD9	4.061	14.21
BRDG1	1.506	10.51
BRDT	3.213	0
BRE	2.709	2.81
BRF1	7.157	27.28
BRF2	1.978	5.4
BRI3	1.566	21.74
BRI3BP	1.272	1.87
BRIP1	4.563	0.33
BRMS1	2.147	10
BRMS1L	2.584	2.34
BRP44	0.789	24.58
BRP44L	0.962	5.56
BRPF1	4.857	10.43
BRPF3	6.019	3.21
BRS3	1.413	0
BRSK1	3.108	0
BRSK2	3.506	0.09

BRUNOL4	3.175	0
BRUNOL5	1.854	0
BRUNOL6	3.399	4.11
BRWD1	18.593	5.7
BRWD2	4.724	8.94
BRWD3	6.085	3.4
BSCL2	1.633	5.7
BSDC1	4.873	26.43
BSG	2.598	26.35
BSN	15.955	0.01
BSND	1.37	0
BSPRY	2.065	3.88
BST1	1.411	1.33
BST2	0.939	41.83
BTAf1	7.169	18.73
BTBD1	5.246	7.48
BTBD10	2.508	2.92
BTBD11	8.041	0.36
BTBD12	7.293	0.75
BTBD14A	2.08	0.09
BTBD14B	4.491	7.87
BTBD16	1.848	0
BTBD2	2.618	22.82
BTBD3	5.251	10.31
BTBD6	1.956	15.37
BTBD7	9.528	1.49
BTBD8	1.412	0
BTBD9	2.208	3.18
BTC	1.27	0
BTD	2.065	0.76
BTF3	1.383	248.1
BTF3L1	0.636	0
BTF3L4	2.203	7.73
BTF3P1	0.52	0
BTF3P2	0.751	4.22
BTG1	1.782	167.39
BTG2	2.712	91.53
BTG3	1.353	9.95
BTG4	0.999	0
BTK	3.014	15.2
BTLA	1.223	0.49
BTN1A1	2.902	0.07
BTN2A1	5.257	13.27
BTN2A2	3.565	7.08
BTN2A3	1.761	0.57
BTN3A1	3.416	24.01
BTN3A2	3.812	5.58
BTN3A3	3.287	3.46
BTNL2	4.104	0
BTNL3	2.693	0

BTNL8	2.147	0.05
BTNL9	5.292	42.87
BTRC	6.121	2.33
BUB1	3.482	0.85
BUB1B	3.714	2.91
BUB3	2.968	14.13
BUD13	2.193	4.11
BUD31	2.588	10.94
BVES	5.583	0.11
BXDC1	0.949	4.48
BXDC2	1.273	6.91
BXDC5	1.268	10.69
BYSL	1.99	2.34
BZRAP1	8.638	15.46
BZRPL1	0.958	0
BZW1	2.798	11.28
BZW2	3.712	7.6
C10orf10	1.987	151.62
C10orf104	3.195	9.23
C10orf107	1.262	0
C10orf108	2.249	0.36
C10orf11	0.896	0
C10orf110	0.893	20.17
C10orf111	1.714	0
C10orf112	3.811	0
C10orf113	0.518	0
C10orf114	1.967	0.1
C10orf115	0.634	0
C10orf116	0.672	0
C10orf118	6.574	11.28
C10orf119	4.113	5.15
C10orf12	4.545	2.46
C10orf120	1.064	0
C10orf125	0.762	1.56
C10orf128	4.316	0.39
C10orf129	2.307	0
C10orf130	2.467	0.04
C10orf132	2.894	0.04
C10orf136	1.121	0
C10orf137	4.579	1.47
C10orf18	10.129	10.26
C10orf22	3.724	3.72
C10orf25	3.078	0.77
C10orf26	3.403	1.02
C10orf27	1.583	0
C10orf28	3.315	10.24
C10orf30	2.239	0
C10orf31	1.603	1.79
C10orf32	0.838	10.15
C10orf33	2.026	1.66

C10orf35	1.062	0
C10orf37	1.27	0.39
C10orf38	4.654	72.54
C10orf39	5.006	0.04
C10orf4	5.432	1.48
C10orf46	5.49	11.31
C10orf47	3.333	0.29
C10orf49	0.826	0
C10orf51	0.867	0.23
C10orf53	2.09	0
C10orf54	4.981	27.89
C10orf55	2.151	0.23
C10orf56	4.933	0.16
C10orf57	2.036	0.59
C10orf58	1.686	6.11
C10orf59	2.677	0
C10orf6	7.284	1.9
C10orf61	3.629	1.53
C10orf62	1.208	0
C10orf63	3.318	0
C10orf64	3.669	5.53
C10orf65	2.47	0
C10orf67	2.943	0
C10orf68	2.717	0.59
C10orf71	2.97	0
C10orf72	4.606	1.68
C10orf73	1.425	0
C10orf75	1.007	0.2
C10orf76	2.73	5.83
C10orf78	1.651	0.72
C10orf79	5.365	0
C10orf80	3.313	0.27
C10orf81	3.249	0.06
C10orf82	0.994	0
C10orf83	2.315	0
C10orf84	2.745	5.55
C10orf85	2.168	0
C10orf88	2.334	0
C10orf89	1.705	1.05
C10orf90	3.083	0
C10orf91	0.738	0
C10orf92	2.746	0
C10orf93	1.56	0.12
C10orf95	1.469	0.07
C10orf96	1.699	0
C10orf97	2.899	8.57
C10orf99	0.804	0
C11orf1	2.568	1.19
C11orf10	0.408	63.05
C11orf16	1.893	0

C11orf17	1.962	2.87
C11orf2	2.51	71.59
C11orf21	0.684	1.16
C11orf24	2.05	1.69
C11orf30	5.511	2.39
C11orf31	1.612	22.96
C11orf34	0.895	0
C11orf35	2.091	1.61
C11orf36	1.818	0
C11orf37	2.715	0.04
C11orf38	1.64	0
C11orf39	4.004	0
C11orf40	0.654	0
C11orf42	1.14	0
C11orf44	3.547	0
C11orf45	3.624	0
C11orf46	1.77	7.44
C11orf47	3.205	1.82
C11orf48	1.32	4.95
C11orf49	3.314	1.19
C11orf51	0.884	22.83
C11orf52	1.104	0
C11orf53	1.052	0
C11orf54	2.39	1.49
C11orf55	2.738	0.29
C11orf56	3.413	4.29
C11orf57	3.739	5.48
C11orf58	2.027	34.17
C11orf59	1.068	31.4
C11orf60	1.819	2.34
C11orf61	2.225	1.07
C11orf63	3.615	0.13
C11orf64	0.734	0
C11orf65	2.713	0.22
C11orf66	1.531	1.74
C11orf67	0.504	3.54
C11orf68	1.557	8.39
C11orf69	1.672	0
C11orf70	1.261	0
C11orf71	1.441	1.72
C11orf72	2.431	0
C11orf73	1.102	1.7
C11orf74	0.82	2.9
C11orf75	0.948	3.55
C11orf76	1.683	0
C11orf77	1.967	1.56
C11orf79	1.209	14.81
C11orf9	5.745	0.17
C12orf10	1.2	18.14
C12orf11	2.635	5.22

C12orf12	2.962	0
C12orf23	3.478	36.89
C12orf24	1.486	0.93
C12orf25	2.876	0.2
C12orf26	1.975	0.2
C12orf28	1.237	0
C12orf29	2.874	1.21
C12orf30	5.781	7.7
C12orf31	1.224	19.32
C12orf32	1.862	2.92
C12orf33	2.21	0
C12orf34	2.731	0.04
C12orf35	6.534	9.15
C12orf36	2.75	0
C12orf37	1.378	0
C12orf38	2.879	0.68
C12orf39	0.583	0
C12orf4	3.819	2.04
C12orf40	2.789	0
C12orf41	2.15	13.71
C12orf42	1.336	0
C12orf43	1.92	4.02
C12orf44	1.389	23.51
C12orf45	0.598	6.45
C12orf46	1.526	0.71
C12orf47	2.285	18.49
C12orf48	3.189	0.19
C12orf49	2.775	4.24
C12orf5	1.361	2.84
C12orf50	1.705	0
C12orf51	2.694	0.92
C12orf52	1.775	1.89
C12orf53	2.17	0.13
C12orf54	0.685	0
C12orf55	2.343	0
C12orf56	1.589	0
C12orf57	0.829	104.67
C12orf59	2.709	0.04
C12orf60	1.123	0
C12orf61	1.684	0.29
C12orf62	0.601	19.92
C12orf63	3.686	0
C12orf64	2.36	0
C12orf65	2.073	4.2
C13orf1	3.053	0.26
C13orf16	0.709	3.63
C13orf18	2.494	1.71
C13orf21	0.784	0
C13orf23	5.142	14.8
C13orf24	3.114	1.49

C13orf26	0.998	0
C13orf27	1.147	0.52
C13orf28	0.757	0
C13orf29	6.267	0
C13orf3	2.888	0.2
C13orf30	3.241	0
C13orf31	2.469	0.56
C13orf33	2.343	0
C13orf34	2.773	1.07
C13orf7	3.534	2.36
C13orf8	3.762	3.13
C14orf1	2.263	3.72
C14orf100	1.665	3.56
C14orf101	4.264	0.65
C14orf102	4.351	2.5
C14orf103	5.566	9.53
C14orf104	1.748	0.96
C14orf105	2.506	0
C14orf106	5.547	27.99
C14orf108	3.069	6.64
C14orf11	1.321	30.71
C14orf112	0.68	11.93
C14orf115	3.369	0
C14orf118	4.087	12.27
C14orf119	2.84	3.45
C14orf121	4.604	0.84
C14orf122	0.835	2.49
C14orf124	1.783	46.33
C14orf126	2.681	0.33
C14orf129	2.072	0.76
C14orf130	3.994	3.37
C14orf131	1.77	8.44
C14orf132	7.478	1.15
C14orf133	2.761	4.48
C14orf135	2.653	0.6
C14orf138	1.767	7.34
C14orf139	4.638	17.28
C14orf140	2.02	0.15
C14orf142	1.156	0.43
C14orf143	2.421	0.04
C14orf145	4.454	0.44
C14orf147	2.62	1.82
C14orf148	0.753	0.27
C14orf149	1.381	2.29
C14orf151	1.689	3.51
C14orf152	1.806	0
C14orf153	2.491	1.43
C14orf155	2.915	0
C14orf156	0.387	17.38
C14orf159	2.973	4.29

C14orf161	3.606	0
C14orf162	1.339	0
C14orf165	0.93	0
C14orf166	1.079	53.64
C14orf166B	1.88	0
C14orf169	2.428	2.44
C14orf172	1.714	3.75
C14orf173	3.82	10.83
C14orf174	2.025	0
C14orf177	1.283	0
C14orf178	0.891	0
C14orf179	0.816	1.82
C14orf19	0.575	4.65
C14orf2	0.613	62.46
C14orf21	2.047	5.61
C14orf24	2.863	1.25
C14orf25	1.899	0
C14orf28	2.906	0.65
C14orf29	1.699	0.12
C14orf32	6.469	21.92
C14orf37	3.082	0
C14orf39	2.747	0
C14orf4	4.149	10.11
C14orf43	8.091	24.57
C14orf44	2.304	0.21
C14orf45	2.139	0.65
C14orf48	1.275	0
C14orf49	3.868	14.12
C14orf50	1.405	0.28
C14orf54	1.754	0
C14orf55	4.009	0
C14orf58	3.6	0.28
C14orf68	1.733	0
C14orf70	1.627	0
C14orf72	0.791	3.38
C14orf73	2.532	0.08
C14orf78	15.958	0.04
C14orf79	1.72	0.35
C14orf8	0.681	0
C14orf80	1.358	0.8
C14orf82	2.375	0
C14orf83	2.812	0.07
C14orf85	4.701	0
C14orf93	2.352	4.42
C14orf94	1.599	14.23
C15orf15	1.473	40.3
C15orf17	2.288	3.29
C15orf2	3.471	0
C15orf21	3.117	0.04
C15orf23	1.054	1.13

C15orf24	1.054	34.55
C15orf26	2.099	0.04
C15orf27	2.292	0.04
C15orf28	3.281	1
C15orf29	2.666	0.6
C15orf32	1.726	0
C15orf33	1.989	0
C15orf34	1.562	0
C15orf37	2.082	2.94
C15orf38	1.968	0.4
C15orf39	3.751	10.28
C15orf40	1.406	3.24
C15orf41	2.593	0.23
C15orf42	3.158	0.69
C15orf43	1.275	0
C15orf44	2.523	9.96
C15orf45	1.787	0
C15orf48	1.035	0
C15orf49	0.1	0
C15orf5	1.512	0.33
C15orf51	3.831	0.93
C16orf14	0.91	0.87
C16orf24	0.858	2.2
C16orf28	2.761	9.31
C16orf3	0.994	0.9
C16orf30	3.516	19.56
C16orf33	1.673	1.6
C16orf35	2.752	6.54
C16orf42	1.204	10.11
C16orf44	2.169	11.86
C16orf45	2.032	5.31
C16orf46	1.553	0
C16orf47	1.307	0
C16orf48	1.538	3.8
C16orf5	2.755	1.48
C16orf53	1.143	3.03
C16orf54	2.581	8.36
C16orf55	2.19	0.68
C16orf57	2.254	1.76
C16orf58	2.76	19.64
C16orf59	1.628	0.3
C16orf61	0.718	9.64
C16orf63	2.25	4.49
C16orf65	1.028	0.1
C16orf68	1.57	3.4
C16orf69	2.097	3.68
C16orf7	3.204	6.6
C16orf70	2.841	3.69
C16orf71	2.706	0.26
C16orf72	11.537	29.44

C16orf73	1.317	0
C16orf74	0.447	0.44
C16orf75	1.432	0.69
C16orf77	1.606	0.25
C16orf78	0.973	0
C16orf79	0.973	1.01
C16orf80	1.292	14.63
C16orf81	0.489	0.2
C17orf25	1.792	5.14
C17orf28	3.258	0
C17orf32	1.449	8.47
C17orf37	0.754	20.86
C17orf38	2.264	1.62
C17orf39	4.232	0.79
C17orf42	1.659	1.85
C17orf45	1.304	519.72
C17orf46	1.284	0
C17orf47	2.077	0.04
C17orf48	1.518	31.29
C17orf49	0.827	44.02
C17orf50	1.014	0.29
C17orf51	5.654	0
C17orf53	2.672	1.26
C17orf54	1.667	0
C17orf55	2.97	0.04
C17orf56	2.601	13.39
C17orf57	3.931	0.98
C17orf58	2.708	0.04
C17orf59	1.74	7.16
C17orf60	1.331	6.17
C17orf61	0.448	32.68
C17orf62	4.395	13.96
C17orf63	3.432	2.04
C17orf64	0.928	0.11
C17orf65	2.413	22.71
C17orf66	1.969	0.05
C17orf67	0.372	0
C17orf68	4.658	10.94
C17orf69	1.219	0
C17orf70	3.821	4.35
C17orf71	3.234	5.17
C17orf73	2.762	0
C17orf74	1.65	0
C17orf75	1.623	3.78
C17orf76	2.353	0.08
C17orf77	2.525	0
C17orf78	1.862	0
C17orf79	0.855	6.02
C17orf80	2.127	1.48
C17orf81	3.302	5.46

C17orf82	1.53	0
C17orf83	1.644	0
C17orf85	2.708	5.88
C18orf1	30.627	11.5
C18orf10	2.065	10.11
C18orf16	2.392	0
C18orf17	3.505	8.5
C18orf19	1.941	1.53
C18orf2	1.328	0
C18orf20	0.873	0
C18orf21	1.039	8.67
C18orf22	1.407	9.21
C18orf24	3.091	0.58
C18orf25	5.424	9.58
C18orf26	2.027	0
C18orf34	3.087	0
C18orf37	0.974	5.89
C18orf45	2.941	0.7
C18orf51	2.053	0
C18orf54	5.007	0.14
C18orf55	1.319	2.33
C18orf56	0.844	0.23
C18orf58	2.346	0
C18orf8	2.173	11.34
C19orf10	1.051	17.61
C19orf12	3.396	2.24
C19orf15	3.5	0.22
C19orf16	2.282	0
C19orf18	0.917	0.65
C19orf19	1.59	0
C19orf2	2.425	3.75
C19orf20	1.919	4.12
C19orf21	2.851	0.18
C19orf22	2.632	35.53
C19orf23	1.356	4.52
C19orf24	1.041	7.51
C19orf25	2.131	2.28
C19orf26	2.407	0
C19orf28	3.043	15.71
C19orf29	3.625	7.39
C19orf30	0.696	0
C19orf31	2.278	3.52
C19orf33	0.461	0.21
C19orf34	1.264	0.47
C19orf35	2.564	1.39
C19orf36	1.015	1.75
C19orf39	1.662	0.6
C19orf4	1.562	0.06
C19orf40	1.122	0.79
C19orf41	0.814	0

C19orf42	1.145	2.76
C19orf43	1.297	157.83
C19orf44	3.325	0.84
C19orf45	1.639	0.12
C19orf46	1.541	0.2
C19orf47	2.126	2.14
C19orf48	1.811	17.04
C19orf49	0.804	4.8
C19orf50	1.42	26.33
C19orf51	3.174	0.04
C19orf52	1.397	8.64
C19orf53	0.568	52.96
C19orf54	1.736	3.08
C19orf55	2.147	1.06
C19orf56	0.839	29.6
C19orf57	2.42	0.49
C19orf58	1.055	16.78
C19orf59	2.373	7.88
C19orf6	4.378	72.36
C19orf7	6.116	9.48
C1D	1.215	2.36
C1GALT1	3.554	0.81
C1GALT1C1	1.838	0.92
C1orf100	0.579	0
C1orf101	3.019	0
C1orf102	1.662	0.89
C1orf103	3.932	1.66
C1orf104	1.306	1.29
C1orf105	0.98	0
C1orf106	4.098	0
C1orf107	8.463	0.37
C1orf108	1.967	26.41
C1orf109	2.355	0.54
C1orf110	2.605	0
C1orf111	0.888	0.12
C1orf112	3.363	0.29
C1orf113	3.182	1.43
C1orf114	1.866	0
C1orf115	2.934	0
C1orf116	5.49	0.02
C1orf117	1.669	0
C1orf118	2.261	0.04
C1orf119	2.75	17.95
C1orf120	0.74	0
C1orf121	4.071	4.11
C1orf122	0.822	6.62
C1orf123	1.085	6.83
C1orf124	5.74	0.9
C1orf125	3.382	0
C1orf126	2.962	0

C1orf127	2.262	0
C1orf128	1.615	18.5
C1orf129	2.223	0
C1orf130	3.583	0
C1orf131	1.435	1.45
C1orf133	3.505	0
C1orf135	2.061	0.1
C1orf137	0.386	0
C1orf138	1.914	2.02
C1orf14	2.365	0
C1orf140	4.492	0
C1orf141	2.143	0
C1orf142	3.239	24.47
C1orf144	2.677	61.72
C1orf145	2.889	0
C1orf146	0.751	0
C1orf147	2.096	0
C1orf149	2.147	4.28
C1orf150	2.628	0
C1orf151	2.875	3.31
C1orf156	1.445	0.55
C1orf157	1.891	0
C1orf158	1.019	0
C1orf159	3.214	1.94
C1orf160	1.528	13.86
C1orf161	3.229	0
C1orf162	0.917	3.99
C1orf163	1.614	2.14
C1orf164	3.439	13.84
C1orf165	2.069	9.71
C1orf166	2.436	8.16
C1orf167	5.515	0.51
C1orf168	3.134	0
C1orf170	3.064	0
C1orf172	1.785	0
C1orf173	7.159	0.02
C1orf174	1.658	5.91
C1orf175	4.349	0.03
C1orf176	2.217	2.76
C1orf177	1.777	0
C1orf178	0.904	0.22
C1orf179	1.975	0
C1orf180	2.884	0
C1orf181	2.797	5.48
C1orf182	0.753	0
C1orf183	2.369	0.34
C1orf184	0.846	0
C1orf185	0.911	0
C1orf186	1.665	0.06
C1orf187	1.773	0

C1orf189	0.387	0
C1orf19	1.925	6.89
C1orf190	2.08	0.48
C1orf191	1.027	0.2
C1orf192	0.774	0.76
C1orf194	0.731	0.14
C1orf198	3.735	0.05
C1orf2	3.19	3.75
C1orf201	2.501	0.16
C1orf21	10.308	0.64
C1orf210	1.467	0
C1orf211	1.265	0.08
C1orf212	2.53	8.96
C1orf213	3.377	1.56
C1orf215	1.783	0.72
C1orf25	4.359	0.61
C1orf26	3.753	1.32
C1orf27	3.784	5.91
C1orf31	0.641	3.4
C1orf32	2.572	0.12
C1orf34	8.621	0.04
C1orf35	1.29	9.51
C1orf38	3.69	105.83
C1orf41	0.582	7.31
C1orf43	2.741	39.45
C1orf49	1.025	0.29
C1orf50	0.989	4.1
C1orf51	1.742	0.12
C1orf52	1.532	13.56
C1orf53	0.588	0
C1orf54	0.504	20.81
C1orf55	3.934	18.71
C1orf56	2.053	4.34
C1orf57	0.902	6.8
C1orf58	1.682	6.65
C1orf59	1.867	1.54
C1orf61	0.879	0
C1orf62	3.05	0.04
C1orf63	2.198	33.31
C1orf64	0.921	0
C1orf65	2.045	0
C1orf66	2.243	1.24
C1orf67	2.243	0
C1orf69	8.15	7.69
C1orf70	0.522	0.19
C1orf71	3.608	7.1
C1orf74	1.561	0.76
C1orf75	2.475	0.32
C1orf76	2.909	0
C1orf77	3.123	27.15

C1orf78	1.054	5.25
C1orf80	2.485	0.8
C1orf82	3.026	2.91
C1orf83	4.097	0.27
C1orf84	7.861	0.52
C1orf85	1.585	4.68
C1orf86	2.216	5.27
C1orf87	2.012	0
C1orf88	2.289	0.13
C1orf89	1.334	0.82
C1orf9	6.327	4.47
C1orf90	0.936	0.52
C1orf91	1.866	2.92
C1orf92	1.907	0.26
C1orf93	2.709	3.32
C1orf94	2.287	0
C1orf95	4.093	0
C1orf96	5.161	2.64
C1orf97	0.694	0
C1orf99	2.396	0
C1QA	1.098	0.54
C1QB	1.044	1.04
C1QBP	1.163	38.45
C1QBPP	1.006	0.59
C1QC	1.139	0.26
C1QDC1	6.007	0.28
C1QDC2	1.036	1.43
C1QL1	1.5	0.13
C1QL2	2.049	0
C1QL3	2.493	0
C1QL4	2.065	0
C1QTNF1	3.17	3.72
C1QTNF2	2.392	0.33
C1QTNF3	3.856	1.05
C1QTNF4	1.364	112.58
C1QTNF5	1.341	0
C1QTNF6	3.674	0.68
C1QTNF7	3.942	0
C1QTNF8	2.974	0
C1QTNF9	1.826	0.11
C1R	1.096	3.8
C1RL	3.319	2.84
C1S	3.009	2.46
C2	7.827	0.14
C2orf10	0.981	0.1
C2orf100	2.519	0.31
C2orf102	1.952	0
C2orf103	1.776	0
C2orf106	0.905	5.8
C2orf107	0.694	1.85

C2orf108	3.034	4.66
C2orf11	4.427	16.41
C2orf111	3.841	44.09
C2orf112	4.335	12.03
C2orf114	1.727	0
C2orf116	1.254	12.15
C2orf117	3.71	1.01
C2orf118	2.041	0.53
C2orf119	2.129	1.35
C2orf12	3.291	0.33
C2orf121	6.215	1
C2orf123	1.96	0
C2orf132	3.784	0.13
C2orf133	5.513	4.6
C2orf134	2.028	0
C2orf135	1.776	0.84
C2orf141	0.727	0
C2orf142	0.958	0.41
C2orf144	0.541	0
C2orf149	0.777	125.68
C2orf151	2.793	0
C2orf152	3.318	22.3
C2orf160	2.523	0
C2orf165	0.719	0.13
C2orf166	1.213	0
C2orf173	1.034	0
C2orf174	6.327	0.52
C2orf175	2.698	0.04
C2orf177	3.808	0.86
C2orf179	0.761	0
C2orf185	1.454	0
C2orf186	2.042	0
C2orf189	0.183	0
C2orf19	2.129	3.63
C2orf191	0.476	0
C2orf195	1.112	0.18
C2orf196	1.154	1.72
C2orf197	2.732	0
C2orf198	2.532	4.03
C2orf20	1.603	2.9
C2orf23	5.261	2.65
C2orf24	1.632	15.22
C2orf26	4.082	0
C2orf27	1.376	45.37
C2orf28	1.585	0.12
C2orf29	1.832	1.89
C2orf3	2.221	10.51
C2orf30	2.508	4.58
C2orf32	2.545	0.66
C2orf39	2.437	0.52

C20orf4	2.647	8.3
C20orf42	5.151	0.05
C20orf43	1.607	45.99
C20orf44	3.974	1.67
C20orf46	1.72	0.05
C20orf51	1.631	0
C20orf52	0.477	32.15
C20orf54	2.598	0.08
C20orf55	1.748	4.7
C20orf56	4.547	0
C20orf58	1.425	0
C20orf59	3.628	23.67
C20orf62	0.7	0
C20orf67	2.885	22.02
C20orf7	1.454	16.53
C20orf70	1.052	0
C20orf71	1.124	0
C20orf72	2.126	8.51
C20orf74	5.617	1.24
C20orf75	2.671	0
C20orf77	6.472	18.71
C20orf79	0.667	0
C20orf82	2.587	0
C20orf85	0.76	0
C20orf86	1.014	0
C20orf91	2.786	0.04
C20orf94	1.407	0.77
C20orf95	1.869	0
C20orf96	1.555	7.45
C21orf100	0.514	0
C21orf114	2.048	0
C21orf119	0.821	2.04
C21orf121	0.777	0
C21orf123	2.341	0
C21orf124	1.972	7.27
C21orf125	3.013	0.23
C21orf128	2.055	0
C21orf129	2.033	0
C21orf13	2.364	0.04
C21orf2	4.171	23.48
C21orf24	3.809	1.4
C21orf25	5.823	0.49
C21orf29	3.967	0
C21orf33	2.201	16.1
C21orf34	1.322	0
C21orf37	0.714	0
C21orf41	1.02	1.36
C21orf45	1.571	1.14
C21orf49	2.464	0
C21orf51	1.193	1.24

C21orf55	2.027	0.04
C21orf56	1.085	3.38
C21orf57	1.977	1.6
C21orf58	4.182	1.01
C21orf59	1.064	2.33
C21orf6	1.712	1.5
C21orf62	3.99	0
C21orf63	1.933	0.41
C21orf66	3.533	2.71
C21orf67	1.033	0
C21orf69	1.595	0
C21orf7	1.997	1.88
C21orf70	0.881	1.12
C21orf77	1.452	0
C21orf81	1.095	0
C21orf84	0.579	0
C21orf86	1.178	0.34
C21orf87	1	0.2
C21orf88	1.071	0
C21orf90	0.824	0
C21orf91	1.509	4.26
C21orf93	2.323	0.76
C21orf94	0.309	0
C21orf99	0.558	0
C22orf13	3.607	35.3
C22orf15	2.02	0.98
C22orf16	0.682	7.4
C22orf23	1.562	1.84
C22orf25	2.271	5.18
C22orf26	1.836	1.18
C22orf27	1.929	3.54
C22orf28	2.02	16.95
C22orf29	6.595	4.62
C22orf30	1.849	1.01
C22orf31	1.07	0
C22orf32	1.567	45.97
C22orf33	0.981	0
C22orf34	1.465	0.81
C22orf36	2.943	0.1
C22orf5	3.587	14.23
C22orf9	6.417	1.36
C2orf13	3.798	0.36
C2orf15	1.43	0.07
C2orf16	6.199	0.04
C2orf17	2.614	18.25
C2orf18	3.912	8.42
C2orf19	3.106	0
C2orf21	2.771	0
C2orf24	2.059	37.67
C2orf25	1.38	31.33

C2orf27	1.221	0.24
C2orf28	1.964	9.47
C2orf29	2.932	7.72
C2orf3	5.185	0.61
C2orf30	2.41	5.38
C2orf32	1.658	0
C2orf33	2.157	12.66
C2orf34	1.493	0.27
C2orf37	2.459	1.08
C2orf39	2.49	0
C2orf40	0.781	0
C2orf42	2.524	0.98
C2orf43	2.856	0.38
C2orf44	3.784	0.63
C2orf46	2.342	0.21
C2orf47	1.504	5.99
C2orf48	1.902	0.31
C2orf49	1.119	7.78
C2orf4P	2.154	2.62
C2orf50	2.686	0
C2orf51	0.795	0
C2orf52	1.282	0.08
C2orf53	2.001	0
C2orf7	1.083	1.37
C3	5.067	0
C3AR1	1.955	1.32
C3orf1	1.596	1.3
C3orf10	1.176	52.16
C3orf14	0.765	0
C3orf15	4.171	0
C3orf16	2.035	0
C3orf17	5.905	12.03
C3orf18	2.655	0.34
C3orf19	2.94	6.36
C3orf20	3.278	0.03
C3orf21	2.703	0.84
C3orf22	0.947	0
C3orf23	6.964	0.33
C3orf24	1.014	0
C3orf25	2.154	0.04
C3orf26	1.198	3.72
C3orf27	2.697	0
C3orf28	0.838	7.2
C3orf30	1.814	0
C3orf31	1.253	1.89
C3orf32	1.542	0
C3orf33	1.931	0.15
C3orf34	1.378	0.14
C3orf35	3.056	1.07
C3orf36	1.668	0

C3orf37	3.419	55.19
C3orf38	1.367	12.52
C3orf39	2.541	0.62
C3orf40	3.677	1.37
C3orf41	0.679	0
C3orf42	1.328	2.09
C3orf43	3.063	0
C3orf44	2.053	0.1
C3orf45	1.434	0.28
C3orf46	1.107	0
C3orf47	0.362	3
C3orf48	1.584	0.37
C3orf49	1.045	0
C3orf52	2.221	9.36
C3orf53	0.912	0
C3orf54	1.04	12.27
C3orf55	0.937	0
C3orf56	1.737	0.12
C3orf57	2.306	0
C3orf58	4.077	1.09
C3orf59	3.368	0
C3orf60	2.829	4.72
C3orf62	3.345	2.81
C3orf63	7.125	2.11
C3orf64	4.138	1.24
C3orf65	1.924	0.72
C3orf66	2.52	0
C4A	5.426	0.02
C4B	16.278	0
C4BPA	2.243	0.04
C4BPAL2	0.2	0
C4BPB	1.496	0.06
C4orf11	0.848	0
C4orf12	6.354	0.06
C4orf14	2.272	14.81
C4orf15	5.92	4.84
C4orf16	2.817	0.95
C4orf17	1.597	0
C4orf18	7.615	0.01
C4orf19	4.731	20.31
C4orf20	1.559	3.36
C4orf21	3.337	0.53
C4orf22	0.889	0
C4orf23	1.851	1.71
C4orf26	0.706	0
C4orf27	1.171	0.84
C4orf28	1.814	0.28
C4orf29	2.2	3.78
C4orf30	3.38	18.7
C4orf31	2.767	0

C4orf32	2.593	7.4
C4orf33	1.784	0.89
C4orf34	1.669	1
C4orf35	1.544	0
C4orf36	0.828	0
C4orf6	0.873	0
C4orf7	0.539	0
C4orf8	4.733	12.14
C5	5.465	0.94
C5AR1	2.321	5.2
C5orf13	2.019	6.66
C5orf14	3.689	2.68
C5orf15	2.594	14.91
C5orf16	2.505	0.28
C5orf20	3.135	0.06
C5orf21	4.178	1.28
C5orf22	2.705	1.64
C5orf23	2.875	0.04
C5orf24	4.259	5.76
C5orf25	3.577	2.16
C5orf26	1	51.75
C5orf27	1.796	0
C5orf28	2.936	0.34
C5orf29	2.216	0.31
C5orf3	2.886	1.2
C5orf30	3.01	2.2
C5orf32	0.82	7.6
C5orf33	2.507	1.58
C5orf34	2.57	1.62
C5orf35	1.554	1.27
C5orf36	1.992	0.1
C5orf37	1.698	1.4
C5orf38	0.89	0
C5orf4	6.852	2.83
C5orf5	5.465	4.73
C6	3.551	0
C6orf1	1.479	6.56
C6orf10	6.402	0
C6orf103	6.779	0
C6orf105	1.569	0.31
C6orf106	4.419	16.59
C6orf107	6.885	6.63
C6orf108	1.161	2.56
C6orf111	4.189	61.12
C6orf113	2.197	6.53
C6orf114	1.527	15.03
C6orf115	1.213	7.01
C6orf117	2.207	0
C6orf118	1.814	0
C6orf12	3.659	0

C6orf120	4.146	9.83
C6orf122	2.418	0
C6orf123	1.652	0
C6orf125	0.506	2.93
C6orf128	1.546	2.62
C6orf129	0.607	1.96
C6orf130	1.174	6.32
C6orf134	11.235	0.02
C6orf136	4.437	0
C6orf137	3.198	0.18
C6orf141	1.825	0
C6orf142	1.738	0
C6orf145	1.867	5.99
C6orf146	2.196	0
C6orf148	2.015	0.2
C6orf15	3.408	0.03
C6orf150	1.887	0.84
C6orf151	4.173	3.56
C6orf152	4.719	0
C6orf153	1.159	14.85
C6orf154	2.121	0
C6orf155	2.933	0
C6orf157	1.833	0.86
C6orf159	0.664	0
C6orf162	1.802	0.76
C6orf163	2.11	0.37
C6orf165	3.45	0
C6orf166	2.555	38.37
C6orf167	4.269	0.72
C6orf168	2.017	0
C6orf170	3.431	0.37
C6orf173	0.527	3
C6orf174	3.556	0.08
C6orf176	1.136	0
C6orf182	2.508	0.16
C6orf184	0.827	0
C6orf185	1.183	0
C6orf188	3.539	0
C6orf189	1.033	0
C6orf190	4.03	0.05
C6orf191	0.545	0
C6orf192	2.425	0.69
C6orf194	1.639	0.12
C6orf195	2.434	0
C6orf199	2.563	0.15
C6orf201	2.403	0.2
C6orf203	0.899	1.98
C6orf204	1.722	2.36
C6orf205	10.938	0
C6orf206	0.915	0

C6orf208	2.318	0
C6orf21	2.694	0
C6orf211	2.572	1.08
C6orf213	2.01	0
C6orf218	1.078	0
C6orf25	4.311	0.11
C6orf26	1.831	4.32
C6orf27	5.118	0.04
C6orf32	3.775	18.64
C6orf35	2.959	0
C6orf47	7.426	0
C6orf48	2.526	0
C6orf49	2.897	21.34
C6orf51	0.941	7.04
C6orf52	0.497	0
C6orf54	2.8	0
C6orf55	3.244	2.38
C6orf57	0.525	0.19
C6orf58	1.2	0.08
C6orf59	1.848	0.37
C6orf60	4.044	0.03
C6orf62	4.585	41.71
C6orf64	1.92	7.22
C6orf65	2.278	0
C6orf66	0.698	0.85
C6orf70	2.078	7.23
C6orf72	1.224	18.26
C6orf78	1.311	0
C6orf81	1.169	6.18
C6orf85	5.415	15.73
C6orf89	2.496	9.55
C6orf94	1.192	0
C6orf97	5.231	0
C7	4.012	0.03
C7orf10	3.216	0
C7orf11	1.812	2.62
C7orf13	3.724	0
C7orf16	3.5	0
C7orf20	4.468	16.43
C7orf23	2.574	11.95
C7orf24	2.33	3.1
C7orf25	3.586	1
C7orf26	3.819	4.12
C7orf27	5.4	4.05
C7orf28A	3.652	3.44
C7orf28B	3.53	3.73
C7orf29	5.746	0.9
C7orf30	1.51	2.88
C7orf31	7.218	0.28
C7orf33	2.708	0

C7orf34	1.54	0
C7orf36	1.73	1.26
C7orf38	4.53	0.35
C7orf41	11.21	10.99
C7orf42	6.329	13.04
C7orf43	5.027	8.98
C7orf44	2.177	11.95
C7orf45	3.91	0.12
C7orf46	2.797	1.52
C7orf47	1.86	17.13
C7orf48	2.778	2.42
C7orf49	3.552	7.19
C8A	2.358	0
C8B	2.037	0
C8G	0.855	0.23
C8orf13	4.071	0.04
C8orf15	1.743	0
C8orf16	2.179	0
C8orf17	2.781	0.04
C8orf22	1.261	0
C8orf30A	2.404	0.45
C8orf31	1.875	0
C8orf32	1.348	1.4
C8orf33	2.615	11.16
C8orf34	3.652	0
C8orf37	2.254	0.27
C8orf38	2.402	8.44
C8orf4	1.455	0
C8orf40	0.793	7.73
C8orf41	2.168	4.88
C8orf42	1.885	0
C8orf44	1.817	2.18
C8orf45	2.248	0.13
C8orf46	3.17	0.04
C8orf47	1.55	0
C8orf48	1.445	0
C8orf49	1.968	0
C8orf51	1.918	0.57
C8orf53	0.969	6.94
C8orf54	2.315	0
C8orf55	2.264	0.83
C8orf58	2.054	1.83
C8orf59	1.314	19.35
C8orf61	1.862	15.41
C8orf62	1.106	0
C8orf68	0.811	0.49
C8orf70	1.239	0.16
C8orf72	4.368	0.09
C8orf73	2.569	2.92
C8orf74	1.036	0

C8orf76	1.286	4.46
C8orf77	2.644	0.52
C8orf78	1.746	0
C8orf79	2.39	0
C8ORFK23	6.051	0
C8ORFK29	1.596	0.37
C8ORFK32	1.616	0
C8ORFK36	1.746	0
C9	2.069	0
C9orf100	3.763	5.84
C9orf102	3.261	1.37
C9orf103	1.614	1.23
C9orf105	1.448	4.65
C9orf106	3.145	0
C9orf11	1.023	0
C9orf114	1.856	2.72
C9orf116	0.781	0.38
C9orf117	2.129	0.09
C9orf119	0.981	1.21
C9orf121	1.457	0
C9orf122	3.436	0
C9orf123	2.487	3.14
C9orf125	2.089	0
C9orf126	1.968	1.51
C9orf127	2.109	0.99
C9orf128	1.722	0
C9orf131	3.644	0.03
C9orf135	0.851	0
C9orf138	1.86	0
C9orf139	3.815	0.52
C9orf140	3.648	0.19
C9orf142	0.812	10.72
C9orf144	3.188	0
C9orf150	2.69	0
C9orf152	2.162	0.13
C9orf153	0.409	0
C9orf156	1.647	4.2
C9orf16	0.613	56.97
C9orf163	2.573	0.08
C9orf164	1.837	4.58
C9orf165	1.078	0
C9orf166	0.501	0
C9orf167	4.071	1.53
C9orf18	0.699	0
C9orf19	1.883	2.26
C9orf21	1.225	2.34
C9orf23	1.124	2.73
C9orf24	1.641	0
C9orf25	3.594	2.12
C9orf27	0.772	0

C9orf29	1.095	0
C9orf3	2.82	0.81
C9orf30	1.16	2.65
C9orf32	1.002	6.91
C9orf36	4.223	0
C9orf37	1.388	4.28
C9orf39	4.766	0.54
C9orf4	1.133	0
C9orf40	1.946	4.22
C9orf41	2.193	1.08
C9orf43	2.048	0.24
C9orf45	5.98	9.79
C9orf46	0.916	0.65
C9orf47	4.829	0
C9orf48	4.602	0.06
C9orf5	7.992	2.32
C9orf50	1.618	0.06
C9orf52	2.428	0.08
C9orf57	1.629	0
C9orf58	3.65	5.09
C9orf6	2.124	1.63
C9orf61	2.421	0
C9orf64	2.067	0.2
C9orf66	2.28	0.04
C9orf68	2.437	0
C9orf7	2.687	0.29
C9orf71	1.245	0.08
C9orf72	4.435	2.28
C9orf75	2.109	1.59
C9orf77	4.215	46.03
C9orf78	3.038	12.57
C9orf79	4.445	0
C9orf80	1.524	2.34
C9orf82	2.714	1.02
C9orf84	5.269	0.02
C9orf85	1.317	4.13
C9orf86	3.13	19.12
C9orf89	3.352	76.66
C9orf9	0.719	1.65
C9orf90	3.182	3.48
C9orf91	3.91	19.89
C9orf93	4.359	0.36
C9orf94	3.893	3.46
C9orf95	1.158	1.8
C9orf96	2.779	0.14
C9orf97	4.062	5.07
C9orf98	2.106	0.04
CA1	1.264	3.68
CA10	3.189	0
CA11	1.653	11.37

CA12	3.975	0
CA13	3.564	0.39
CA14	1.742	2.04
CA2	1.551	20.74
CA3	2.356	0.04
CA4	1.105	0.63
CA5A	1.084	0
CA5B	2.255	2.94
CA6	1.339	7.16
CA7	2.052	0.2
CA8	2.278	0
CA9	1.552	0.12
CAB39	4.516	29.13
CAB39L	2.702	1.47
CABC1	2.871	7.58
CABIN1	8.166	13.69
CABLES1	2.471	0.2
CABLES2	3.777	0.39
CABP1	1.899	0
CABP2	0.925	0
CABP4	1.466	0.68
CABP5	1.251	0
CABP7	2.982	15.16
CABYR	3.262	0.12
CABYRP	1.411	0
CACHD1	5.547	0.09
CACNA1A	8.563	0.08
CACNA1B	7.342	0.03
CACNA1C	8.425	0.06
CACNA1D	7.192	0.02
CACNA1E	9.724	0
CACNA1F	6.07	0.37
CACNA1G	9.542	0
CACNA1H	8.088	0.25
CACNA1I	10.002	0.17
CACNA1S	6.166	0
CACNA2D1	7.644	0
CACNA2D2	5.536	0.46
CACNA2D3	3.675	0
CACNA2D4	7.222	0.37
CACNB1	4.242	2.08
CACNB2	4.44	0.71
CACNB3	2.698	8.83
CACNB4	3.416	0.26
CACNG1	1.266	0
CACNG2	1.548	0
CACNG3	2.701	0
CACNG4	3.397	0
CACNG5	1.295	0
CACNG6	1.85	0

CACNG7	1.564	0
CACNG8	1.417	0.91
CACYBP	3.535	3.13
CAD	7.108	1.85
CADM1	3.509	0.05
CADM2	3.332	0
CADM3	2.525	0
CADM4	2.176	0.28
CADPS	5.627	0
CADPS2	9.396	0.04
CAGE1	4.349	1.96
CALB1	2.531	0
CALB2	2.263	0
CALCA	1.454	0
CALCB	1.031	0
CALCOCO1	3.892	22.34
CALCOCO2	5.013	38.83
CALCP	0.501	0
CALCR	6.94	0.14
CALCRL	3.008	0.13
CALD1	11.776	0.66
CALM1	10.777	55.45
CALM1P1	0.108	102.6
CALM1P2	0.768	0.13
CALM2	1.128	66.66
CALM2P2	0.445	36.24
CALM2P3	3.213	0.37
CALM3	2.259	43.71
CALML3	1.302	0
CALML4	5.786	5.42
CALML5	0.851	0
CALML6	1.101	0.45
CALN1	12.227	0.15
CALR	2.253	117.42
CALR3	1.273	0
CALU	6.634	1.08
CAMK1	1.483	1.8
CAMK1D	5.626	11.79
CAMK1G	2.47	0
CAMK2A	4.836	0.22
CAMK2B	4.992	0.04
CAMK2D	6.756	5.32
CAMK2G	4.461	5.06
CAMK2N1	0.847	0
CAMK2N2	1.36	0
CAMK4	2.107	0.19
CAMKK1	4.582	1.3
CAMKK2	9.388	4.76
CAMKV	3.028	0.04
CAMLG	2.203	15.63

CAMP	0.714	0.69
CAMSAP1	6.06	1.81
CAMSAP1L1	7.352	2.01
CAMTA1	8.727	1.48
CAMTA2	4.475	10.48
CAND1	5.669	17.64
CAND2	5.355	0.44
CANT1	3.473	10.8
CANX	5.074	23.98
CAP1	2.923	42.14
CAP2	3.027	0
CAP2P1	2.014	0.49
CAPG	1.442	7.75
CAPN1	3.658	19.58
CAPN10	3.657	4.22
CAPN11	2.728	4.13
CAPN12	3.129	0.79
CAPN13	2.682	0.77
CAPN14	3.787	0.78
CAPN2	3.406	9.39
CAPN3	5.988	4.21
CAPN5	4.393	0.6
CAPN6	3.568	0
CAPN7	4.368	7.15
CAPN9	2.851	0
CAPNS1	1.49	108.3
CAPNS2	1.009	0
CAPS	1.641	10.61
CAPS2	3.831	0.36
CAPSL	0.934	0.21
CAPZA1	3.041	40.93
CAPZA1P	0.855	7.52
CAPZA2	4.712	5.29
CAPZA3	1.078	0
CAPZB	4.771	30.63
CARD10	3.899	0
CARD11	8.516	1.75
CARD14	4.734	0.04
CARD6	4.097	0.51
CARD8	5.063	5.16
CARD9	2.098	0.14
CARHSP1	2.278	28.75
CARKL	4.134	5.17
CARM1	2.968	9.27
CARS	3.494	7.02
CARS2	1.843	7.14
CART1	1.442	0
CARTPT	1.816	0
CASC1	2.55	0.04
CASC2	3.816	0

CASC3	4.106	24.05
CASC4	3.961	2.72
CASC5	8.693	0.29
CASD1	7.634	2.79
CASK	3.123	0.41
CASKIN1	5.695	0.38
CASKIN2	4.978	0.64
CASKP	18.328	0.03
CASP1	1.408	17.29
CASP10	4.615	13.7
CASP12	13.287	1.77
CASP14	0.777	0
CASP2	14.014	4.51
CASP3	2.673	14.8
CASP4	1.982	32.39
CASP5	1.399	0.14
CASP6	1.661	0.66
CASP7	4.973	8.99
CASP8	4.34	34.88
CASP8AP2	6.749	0.73
CASP9	1.993	3.13
CASQ1	1.878	0.58
CASQ2	2.527	0
CASR	4.913	0
CAST	7.189	45.58
CASZ1	4.094	5.61
CAT	2.56	21.49
CATSPER1	2.615	0.04
CATSPER2	3.546	0.87
CATSPER3	1.338	0.6
CATSPER4	1.419	0
CAV1	5.408	0.24
CAV2	11.743	0
CAV3	2.223	0
CBARA1	2.363	7.87
CBFA2T2	8.061	1.41
CBFA2T3	4.599	7.08
CBFB	5.581	4.01
CBL	11.227	2.36
CBLB	3.976	14.56
CBLC	1.557	0.26
CBLL1	4.477	13.53
CBLN1	1.517	0
CBLN2	2.733	0
CBLN3	2.336	2.84
CBLN4	2.508	0
CBR1	1.245	1.19
CBR3	1.112	2.49
CBR4	3.456	0.77
CBS	2.516	0.24

CBWD1	1.679	0.12
CBWD2	1.677	0.7
CBWD3	1.677	0
CBWD5	1.143	0.09
CBX1	2.216	0.71
CBX2	5.016	0.79
CBX3	3.864	9.09
CBX4	3.737	22.96
CBX5	1.545	12.43
CBX6	5.164	10.38
CBX7	3.964	2.35
CBX8	1.521	0.59
CBY1	1.271	1.16
CC2D1A	3.686	4.24
CC2D1B	5.639	4.16
CCAR1	3.858	15.13
CCBE1	3.233	0
CCBL1	2.106	1.55
CCBL2	2.084	3.99
CCBP2	2.948	0.44
CCDC100	2.341	4.86
CCDC101	1.141	5.29
CCDC102A	2.429	0.9
CCDC102B	2	0
CCDC103	1.256	0.08
CCDC104	1.372	2.67
CCDC105	1.732	0
CCDC106	1.993	2.48
CCDC107	1.012	48.79
CCDC108	8.122	0
CCDC109A	2.949	7.41
CCDC109B	1.212	7.26
CCDC11	1.824	0.21
CCDC110	2.851	0
CCDC111	2.079	1.05
CCDC112	3.03	0.06
CCDC113	5.249	0
CCDC114	1.907	0.05
CCDC115	1.644	8.79
CCDC116	2.192	0
CCDC117	3.935	7.12
CCDC12	1.138	39.29
CCDC120	3.972	1.12
CCDC121	2.342	0.21
CCDC122	3.461	0.28
CCDC123	2.605	0.68
CCDC124	1.038	20.4
CCDC125	7.233	0.38
CCDC126	4.946	0.18
CCDC127	1.42	4.11

CCDC128	3.137	2.05
CCDC129	9.088	0
CCDC13	2.827	0
CCDC130	1.632	20.61
CCDC131	7.158	3.28
CCDC132	7.754	1.23
CCDC134	1.275	1.71
CCDC135	2.898	0.07
CCDC14	7.914	5.13
CCDC15	2.659	0
CCDC16	1.63	13.41
CCDC17	1.873	7.23
CCDC18	4.658	0.34
CCDC19	1.795	1.38
CCDC21	3.935	1.48
CCDC22	2.715	4.84
CCDC23	0.652	13.5
CCDC24	1.463	10.21
CCDC25	3.586	2.21
CCDC26	1.721	0.75
CCDC27	2.177	0
CCDC28A	1.496	19.78
CCDC28B	1.415	2.73
CCDC3	2.738	0.14
CCDC32	1.705	6.38
CCDC33	2.093	0
CCDC34	3.051	1.07
CCDC35	4.862	1.77
CCDC36	2.613	0
CCDC37	2.086	0
CCDC38	1.953	0
CCDC4	3.33	0
CCDC40	6.094	0.08
CCDC41	2.936	1.32
CCDC42	1.374	0
CCDC43	2.082	8.36
CCDC44	1.457	5.64
CCDC45	3.501	25.92
CCDC46	3.85	0.2
CCDC47	3.267	10.27
CCDC48	1.963	0.05
CCDC49	2.33	18.56
CCDC5	1.098	6.76
CCDC50	2.454	0.73
CCDC51	1.506	0.39
CCDC52	5.412	0.88
CCDC53	0.857	3.81
CCDC54	1.294	0
CCDC55	4.449	3.69
CCDC56	0.753	3.02

CCDC57	2.997	4.06
CCDC58	0.718	1.11
CCDC59	1.055	16.69
CCDC6	5.704	32.65
CCDC60	2.45	0
CCDC62	3.368	0.27
CCDC63	1.945	0
CCDC64	1.664	0.36
CCDC65	1.777	0.28
CCDC66	3.098	1.24
CCDC67	1.656	0
CCDC68	3.977	0
CCDC69	3.399	19.94
CCDC7	2.445	0.08
CCDC70	1.125	0
CCDC71	1.781	5.39
CCDC72	0.463	80.56
CCDC73	4.015	0.54
CCDC74A	1.457	0
CCDC74B	1.471	0
CCDC75	1.098	5.58
CCDC76	3.129	0.85
CCDC77	2.258	1.27
CCDC78	4.796	1.08
CCDC79	1.846	0
CCDC8	2.757	0
CCDC80	4.732	0
CCDC81	2.51	0.75
CCDC82	2.695	6.9
CCDC83	2.345	0
CCDC84	1.384	16.16
CCDC85A	3.983	0
CCDC85B	1.232	10.84
CCDC86	1.893	1.78
CCDC87	2.884	0.07
CCDC88	4.915	7.49
CCDC89	2.428	0
CCDC9	2.017	11.67
CCDC90A	1.229	2.33
CCDC90B	1.578	2.13
CCDC91	2.335	1.06
CCDC92	1.793	2.04
CCDC93	6.794	3.47
CCDC94	1.415	7.55
CCDC95	1.185	7.68
CCDC96	1.769	0.17
CCDC97	3.322	6.64
CCDC98	2.718	3.79
CCDC99	2.529	0.7
CCHCR1	8.796	0.21

CCIN	1.93	0.11
CCK	0.829	0
CCKAR	1.682	0
CCKBR	2.12	0.1
CCL1	0.542	0
CCL11	0.925	0
CCL13	0.851	0
CCL14	0.481	0
CCL14-CCL15	0.1	0
CCL15	0.962	0
CCL16	1.497	0
CCL17	0.615	360.36
CCL18	0.77	0
CCL19	0.684	0
CCL2	0.749	0.4
CCL20	0.8	0
CCL21	0.878	0
CCL22	2.894	0.04
CCL23	0.74	0
CCL24	0.72	0
CCL25	0.891	0
CCL26	1.124	0
CCL27	0.446	0
CCL28	0.816	6.67
CCL3	0.775	1.15
CCL3L1	0.783	0
CCL3L2	1.244	0
CCL3L3	0.775	0
CCL4	0.667	1.64
CCL4L1	0.659	0
CCL4L2	0.379	0
CCL5	1.23	6.2
CCL7	0.805	0
CCL8	1.25	0
CCM2	4.612	3.56
CCNA1	1.73	0.35
CCNA2	1.676	1.07
CCNB1	2.093	1.65
CCNB1IP1	2.963	22.47
CCNB2	1.513	3.14
CCNB3	4.513	0
CCNC	2.682	11.28
CCND1	4.289	0.14
CCND2	6.48	29.26
CCND2P	0.953	0.2
CCND3	2.427	68.69
CCNDBP1	1.979	14.5
CCNE1	2.074	0.67
CCNE2	2.837	1.08
CCNF	4.238	0.33

CCNG1	2.602	20.69
CCNG2	2.037	5.58
CCNH	1.378	10.2
CCNI	2.671	129.57
CCNJ	4.11	2.55
CCNJL	3.274	0.39
CCNK	3.504	28.1
CCNL1	6.072	60.11
CCNL2	7.216	18.79
CCNT1	4.359	13.78
CCNT2	8.578	10.46
CCNU	2.973	0.1
CCNY	3.363	20.89
CCNYL1	1.952	2.43
CCNYL2	1.999	0
CCNYL3	2.541	0
CCPG1	6.822	2.48
CCR1	2.676	0.67
CCR10	1.229	0.32
CCR2	4.169	0
CCR3	1.945	0
CCR4	1.657	0.42
CCR5	3.655	0.22
CCR6	4.444	12.25
CCR7	2.173	6.6
CCR8	2.371	0
CCR9	5.006	0
CCRK	2.521	0
CCRL1	2.485	0.31
CCRL1P	1.832	0.16
CCRL2	1.729	0.69
CCRN4L	1.954	0.71
CCS	1.224	17.87
CCT2	1.954	26.08
CCT3	2.211	34.68
CCT4	2.6	35.54
CCT5	3.403	4.04
CCT6A	6.018	17.04
CCT6B	1.816	0.98
CCT7	1.892	30.54
CCT8	1.895	55.97
CD109	6.407	7.83
CD14	1.867	1.48
CD151	1.62	1.96
CD160	2.033	4.68
CD163	4.105	0.72
CD163L1	4.583	0
CD164	2.993	13.85
CD164L2	1.457	0
CD177	2.426	5.38

CD180	2.698	0.26
CD19	1.95	134.4
CD1A	2.072	0
CD1B	1.294	0
CD1C	1.194	0
CD1D	2.253	0.66
CD1E	0.972	0
CD2	1.515	1.7
CD200	3.319	13.23
CD200R1	2.862	0.04
CD200R2	1.296	0
CD207	1.868	0
CD209	4.267	0.16
CD22	3.251	23.8
CD226	2.565	0.15
CD24	2.18	398.65
CD244	2.463	0.6
CD247	3.438	9.81
CD248	2.558	21.12
CD27	1.477	32.89
CD274	1.54	0.12
CD276	3.401	0.03
CD28	3.806	0.84
CD2AP	4.644	5.28
CD2BP2	1.622	25.19
CD300A	1.889	3.56
CD300C	1.517	0.33
CD300E	0.739	0.27
CD300LB	2.286	0.44
CD300LF	1.759	0.73
CD300LG	2.756	0
CD302	3.741	0.87
CD320	1.25	6.34
CD33	1.436	0.55
CD33L3	1.505	0.06
CD34	4.738	147.57
CD36	5.562	0.05
CD37	2.35	86.44
CD38	1.493	0.4
CD3D	1.53	1.68
CD3E	1.356	3.43
CD3EAP	3.478	5.29
CD3G	0.823	0.72
CD4	3.103	1.81
CD40	2.509	3.98
CD40LG	1.833	0.32
CD44	9.034	10.79
CD46	7.894	6.67
CD47	14.066	20.18
CD48	1.07	16.65

CD5	3.121	1.74
CD52	0.505	400.65
CD53	5.162	57.71
CD55	2.841	32.91
CD58	1.04	2.76
CD59	7.809	14.47
CD5L	2.152	0
CD6	3.23	2.39
CD63	1.095	45.99
CD68	2.483	6.97
CD69	1.676	42.15
CD7	1.283	5.63
CD70	0.913	0.87
CD72	1.968	17.04
CD74	2.2	3923.44
CD79A	1.444	116.07
CD79B	1.421	234.36
CD80	2.725	0.14
CD81	1.497	108.06
CD82	2.223	12.19
CD83	3.132	21.48
CD84	3.276	0.78
CD86	2.901	0.2
CD8A	2.202	4.27
CD8B	3.054	0.51
CD8BP	20.283	0.03
CD9	2.181	166.57
CD93	6.701	0.98
CD96	4.481	0.44
CD97	3.896	419.9
CD99	1.237	500.61
CD99L2	3.605	2.77
CDA	0.96	1.34
CDADC1	3.346	3.28
CDAN1	4.73	4.58
CDC10P	1.304	0.38
CDC123	1.738	25.68
CDC14A	5.221	2.81
CDC14B	5.792	0.04
CDC14C	4.284	0
CDC16	2.196	8.65
CDC2	1.227	2.26
CDC20	1.669	3.2
CDC20B	2.946	0
CDC20P	1.621	1.46
CDC23	3.142	5.57
CDC25A	3.706	0.64
CDC25B	3.761	11.55
CDC25C	2.115	0.1
CDC26	0.872	4.88

CDC27	3.277	11.29
CDC2L1	3.51	15.67
CDC2L2	3.526	12.62
CDC2L5	11.037	2.41
CDC2L6	6.139	3.66
CDC34	1.845	12.82
CDC37	1.671	96.69
CDC37L1	1.706	4.12
CDC40	3.853	9.6
CDC42	3.565	41.85
CDC42BPA	8.019	1.63
CDC42BPB	6.757	5.68
CDC42BPG	4.68	0.46
CDC42EP1	2.23	0.04
CDC42EP2	2.2	11.42
CDC42EP3	5.508	42.07
CDC42EP4	3.101	1.63
CDC42EP5	0.875	3.96
CDC42P1	0.548	0.18
CDC42SE1	3.728	105.54
CDC42SE2	3.657	40.69
CDC45L	1.91	1.92
CDC5L	3	10.26
CDC6	3.053	0.39
CDC7	3.172	0.6
CDC73	2.98	2.85
CDCA2	3.722	0.16
CDCA3	1.119	0.71
CDCA4	2.9	2.15
CDCA5	2.485	4.22
CDCA7	2.81	1.58
CDCA7L	6.474	25.91
CDCA8	2.303	2.28
CDCP1	6.61	0.03
CDCP2	2.723	0
CDGAP	6.32	0.16
CDH1	4.815	0
CDH10	3.261	0
CDH11	3.648	0
CDH12	4.164	0
CDH12P	0.602	0
CDH13	3.828	0
CDH15	2.859	0
CDH16	2.833	0
CDH17	3.697	0
CDH18	2.944	0
CDH19	3.185	0
CDH2	4.108	0
CDH20	2.855	0
CDH22	3.657	0.03

CDH23	11.395	0.08
CDH24	2.873	0.44
CDH26	3.397	0
CDH3	3.636	0.05
CDH4	3.062	0.06
CDH5	4.09	1.98
CDH6	4.521	0
CDH7	3.002	0
CDH8	2.929	0
CDH9	3.075	0
CDIPT	2.079	16.99
CDK10	3.638	8.37
CDK2	2.29	4.84
CDK2AP1	1.615	15.13
CDK2AP2	1.378	9.26
CDK3	1.158	4.61
CDK4	1.443	8.29
CDK5	2.274	1
CDK5R1	3.854	0.18
CDK5R2	2.48	0
CDK5RAP1	2.268	16.01
CDK5RAP2	6.23	6.67
CDK5RAP3	3.667	41.25
CDK6	25.096	5.21
CDK7	2.834	2.02
CDK7PS	1.14	1.65
CDK8	1.769	1.84
CDK9	4.216	85.72
CDKAL1	2.408	1.77
CDKL1	1.177	2.27
CDKL2	1.921	0
CDKL3	1.501	0.13
CDKL4	1.567	0
CDKL5	3.518	0.14
CDKN1A	2.351	55.29
CDKN1B	3.132	41.92
CDKN1C	1.493	0.33
CDKN2A	2.735	1.38
CDKN2AIP	2.374	9.13
CDKN2B	7.485	0.44
CDKN2C	2.853	11.31
CDKN2D	1.447	45.06
CDKN3	0.836	0.71
CDO1	1.614	0.12
CDON	8.044	0.15
CDR1	1.299	0
CDR2	2.702	7.32
CDR2L	3.529	0
CDRT1	1.282	0
CDRT15	0.567	0.35

CDRT4	2.489	0
CDS1	2.4	0
CDS2	9.104	79.22
CDSN	7.641	0.03
CDT1	2.675	6.44
CDV3	3.307	31.5
CDX1	1.699	0
CDX2	2.09	0
CDX4	0.855	0
CDY1	4.262	0
CDY10P	2.868	0
CDY11P	3.029	0
CDY12P	1.209	0
CDY13P	1.209	0
CDY14P	1.208	0
CDY15P	3.242	0
CDY16P	1.331	0
CDY17P	2.137	0
CDY18P	3.448	0
CDY19P	3.448	0
CDY1B	4.262	0
CDY20P	2.137	0
CDY21P	1.331	0
CDY22P	3.242	0
CDY23P	1.208	0
CDY2A	1.96	0
CDY2B	1.96	0
CDY3P	2.805	0
CDY4P	2.73	0
CDY5P	1.999	0
CDY6P	2.137	0
CDY7P	2.297	0
CDY8P	2.137	0
CDY9P	1.999	0
CDYL	4.391	2.91
CDYL2	2.233	0.84
CEACAM1	5.452	0.33
CEACAM16	1.797	0
CEACAM19	1.863	0
CEACAM20	2.12	0
CEACAM21	1.715	19.5
CEACAM3	1.022	0.58
CEACAM4	1.205	1.64
CEACAM5	2.972	0
CEACAM6	2.528	0.94
CEACAM7	2.291	0
CEACAM8	2.271	0.61
CEACAMP10	0.912	0
CEACAMP11	0.911	0
CEACAMP2	0.289	0

CEACAMP3	0.248	0
CEACAMP4	0.297	0
CEACAMP5	8.866	0
CEACAMP6	0.911	0
CEACAMP7	0.913	0
CEACAMP8	0.901	0
CEACAMP9	0.912	0
CEBPA	2.385	1.99
CEBPB	1.837	13.89
CEBPD	1.295	5.2
CEBPE	1.201	0.41
CEBPG	3.736	8.13
CEBPZ	3.33	5.44
CECR1	6.215	1.14
CECR2	5.931	12.38
CECR5	1.88	6.52
CECR6	4.954	0.54
CECR8	1.185	0
CEECAM1	2.327	1.36
CEL	2.35	0.46
CELP	4.818	0.02
CELSR1	11.389	1.07
CELSR2	10.534	0.74
CELSR3	11.962	0.12
CEND1	1.643	0
CENPA	1.389	0.5
CENPB	2.84	13.55
CENPC1	3.349	8.63
CENPC2	3.138	1.93
CENPE	8.612	0.33
CENPF	10.296	0.92
CENPH	1.389	2.14
CENPI	2.563	0.23
CENPJ	4.345	0.41
CENPK	1.72	0.28
CENPL	1.901	0.68
CENPM	1.39	1.42
CENPN	1.387	2.43
CENPO	1.625	4.32
CENPP	3.422	0.41
CENPQ	1.728	0.28
CENPT	2.133	29.18
CENTA1	4.592	1.03
CENTA2	2.749	0.47
CENTB1	2.483	16.58
CENTB2	7.091	5.38
CENTB5	2.877	8.63
CENTD1	7.771	14.92
CENTD2	6.216	7.16
CENTD3	5.262	0.04

CENTG1	3.938	1.08
CENTG2	4.53	5.28
CENTG3	6.832	12.48
CEP110	7.431	3.4
CEP135	5.67	1.9
CEP152	4.788	4.03
CEP164	5.629	2.57
CEP170	6.816	6.59
CEP170L	97.094	0.2
CEP192	9.438	2.1
CEP250	8.348	2.63
CEP27	1.754	6.32
CEP290	7.951	0.81
CEP350	12.701	10.36
CEP55	2.618	0.45
CEP57	3.158	9.43
CEP63	2.77	1.93
CEP68	4.694	32.4
CEP70	2.663	1.19
CEP72	2.355	0.25
CEP76	2.869	0.86
CEP78	2.304	1.59
CEPT1	2.348	5.94
CER1	1.206	0
CERK	8.749	41.12
CERKL	3.492	7.73
CES1	2.299	0.09
CES2	4.033	3.49
CES4	2.259	0
CES7	1.962	0
CESK1	2.053	0
CETN1	1.158	0
CETN2	1.08	2.84
CETN3	0.982	0.7
CETP	1.79	0.11
CFB	7.722	0.08
CFC1	1.009	0
CFD	1.173	1.6
CFDP1	1.279	10.36
CFH	4.243	0
CFHR1	1.262	0
CFHR2	1.036	0
CFHR3	1.597	0
CFHR4	1.262	0
CFHR5	2.794	0
CFI	1.963	0
CFL1	1.26	178.4
CFL2	3.232	1.84
CFLAR	2.213	13.68
CFLP1	26.779	0.01

CFP	1.701	11.4
CFTR	12.264	0.02
CG018	2.107	13.29
CGA	0.704	0
CGB	0.879	0
CGB1	0.732	0
CGB2	0.732	0
CGB5	0.88	0
CGB7	0.88	0
CGB8	0.88	0
CGGBP1	4.539	10.09
CGI-09	2.311	1.32
CGI-148P	1.833	0.6
CGI-38	1.132	0.27
CGN	5.088	0.04
CGNL1	7.218	0.04
CGREF1	1.848	0
CGRRF1	1.323	4.94
CH25H	1.381	0
CHAC1	1.498	0.66
CHAC2	1.275	0.08
CHAD	1.783	0.44
CHAF1A	3.343	5.09
CHAF1B	2.279	2.91
CHAT	3.042	0.04
CHCHD1	0.549	17.48
CHCHD2	2.601	7.72
CHCHD3	3.19	3.88
CHCHD4	1.549	0.38
CHCHD5	0.673	11.91
CHCHD6	0.946	2.2
CHCHD7	3.318	2.75
CHCHD8	0.817	6.66
CHCHD9	0.774	30.94
CHD1	6.457	28.41
CHD1L	2.967	8.37
CHD2	15.83	58.12
CHD3	7.642	72.37
CHD4	6.497	17.38
CHD5	10.303	1.13
CHD6	10.807	12.44
CHD7	11.443	28.97
CHD8	7.38	13.3
CHD9	10.836	7.27
CHDH	2.147	0
CHEK1	2.007	3.8
CHEK2	1.987	0.6
CHERP	4.075	6.87
CHES1	7.818	13.54
CHFR	3.854	16.02

CHGA	1.994	0
CHGB	2.454	0
ChGn	3.872	7.89
CHI3L1	1.921	0.57
CHI3L2	1.843	0.05
CHIA	1.422	0
CHIC1	4.158	0.24
CHIC2	1.125	9.15
CHID1	2.736	5.46
CHIT1	1.635	0.48
CHKA	7.978	45.64
CHKB	1.595	16.93
CHKB-CPT1B	0.1	0
CHL1	7.65	0
CHM	5.442	0.69
CHML	7.067	11.05
CHMP1B	1.272	45.19
CHMP2A	1.032	30.68
CHMP2B	2.395	4.42
CHMP4A	1.505	8.48
CHMP4B	1.635	53.49
CHMP4C	1.847	0
CHMP5	1.39	4.76
CHMP6	1.61	2.83
CHMP7	3.386	2.89
CHN1	2.957	0.93
CHN2	10.131	7.03
CHODL	2.545	0
CHORDC1	2.039	3.93
CHORDC2P	2.392	0.04
CHP	3.23	8.12
CHPF	2.933	0.07
CHPT1	2.7	43.17
CHR415SYT	2.584	0
CHRAC1	2.497	5.31
CHRD	3.521	0
CHRD1	2.471	0.6
CHRD2	1.678	0
CHRFAM7A	3.026	0.13
CHRM1	2.823	0
CHRM2	6.778	0
CHRM3	2.748	0.25
CHRM4	1.468	1.82
CHRM5	2.683	0.04
CHRNA1	2.04	4.22
CHRNA10	1.945	0.1
CHRNA2	2.666	0
CHRNA3	2.999	0.1
CHRNA4	5.54	0
CHRNA5	2.428	0.04

CHRNA6	2.09	0
CHRNA7	2.171	0.18
CHRNA9	1.892	0
CHRNA1	2.437	0.61
CHRNA2	2.448	0
CHRNA3	1.956	0
CHRNA4	2.448	1.25
CHRND	1.741	0.12
CHRNE	2.463	2.09
CHRNG	2.187	0.09
CHST1	2.718	0
CHST10	2.815	1.69
CHST11	1.656	11.06
CHST12	4.206	2.56
CHST13	1.739	0.12
CHST2	3.043	36.45
CHST3	6.963	1.75
CHST4	2.011	0
CHST5	5.282	0
CHST6	3.751	0
CHST7	3.186	3.29
CHST8	2.479	0
CHST9	2.136	0
CHSY1	4.535	28.53
CHSY-2	3.492	0
CHTF18	3.065	3.74
CHUK	3.524	2.42
CHURC1	3.381	12.08
CHX10	2.995	0
CIAO1	4.944	24.57
CIAPIN1	2.106	8.83
CIB1	0.862	35.46
CIB2	1.547	0.96
CIB3	0.661	0
CIB4	0.745	0
CIC	7.133	42.45
CICE	9.387	1.99
CICK0721Q.1	1.198	0.33
CIDEA	1.164	0
CIDEB	2.242	8.87
CIDEC	1.277	0.23
CIITA	5.643	45.5
CILP	4.432	0.03
CILP2	3.593	0.17
CINP	0.979	5.56
CIP29	1.111	27.25
CIR	2.074	39.54
CIRBP	1.688	294.76
CIRH1A	2.192	6.41
CISH	2.017	8.24

CIT	8.576	0.73
CITED1	1.184	0
CITED2	1.93	21.48
CITED4	1.291	7.89
CIZ1	3.032	28.58
CKAP2	3.626	3.55
CKAP2L	3.205	0.56
CKAP4	2.915	22.94
CKAP5	6.698	5.4
CKB	1.431	1.72
CKBP1	2.162	0
CKLF	1.313	5.57
CKM	1.557	0
CKMT1A	1.779	0
CKMT1B	1.779	0
CKMT2	1.598	0.5
CKS1A	0.717	0.97
CKS1B	0.717	1.38
CKS1BP	0.718	0
CKS1BP2	0.709	0
CKS1BP3	0.709	0
CKS2	0.613	14.85
CLASP1	8.089	8.8
CLASP2	7.261	2.7
CLC	0.63	6.43
CLCA1	3.312	0
CLCA2	3.969	0
CLCA3	3.412	0
CLCA4	3.211	0
CLCC1	2.226	5.11
CLCF1	1.842	2.63
CLCN1	6.186	0
CLCN2	2.697	0.19
CLCN3	5.151	0.75
CLCN4	4.557	0.04
CLCN5	3.177	0.12
CLCN6	5.937	6.61
CLCN7	6.578	30.6
CLCNKA	2.461	0
CLCNKB	2.16	0
CLCP1	0.608	0.16
CLDN1	3.429	0
CLDN10	2.817	0
CLDN11	2.157	0.09
CLDN12	6.938	1.34
CLDN14	2.003	0
CLDN15	4.482	1.92
CLDN16	1.494	0
CLDN17	0.675	0
CLDN18	3.632	0.03

CLDN19	2.859	0.04
CLDN2	2.959	0
CLDN20	1.209	0.49
CLDN22	0.522	0
CLDN23	1.576	0
CLDN3	2.5	0.47
CLDN4	3.646	0.11
CLDN5	1.699	10.25
CLDN6	1.344	0
CLDN7	1.298	0.84
CLDN8	1.989	0
CLDN9	1.715	0.28
CLDND1	3.619	6.99
CLDND2	0.974	0.92
CLEC10A	1.867	1.27
CLEC11A	1.407	124.04
CLEC12A	1.549	0.12
CLEC12B	3.029	0
CLEC14A	2.256	38.02
CLEC1A	1.779	0
CLEC1B	0.952	0
CLEC2A	0.732	0
CLEC2B	3.558	33
CLEC2D	4.593	5.45
CLEC2L	0.81	0
CLEC3A	1.887	0
CLEC3B	0.841	0
CLEC4A	1.377	0.93
CLEC4C	1.314	0
CLEC4D	1.936	0.2
CLEC4E	2.158	0.78
CLEC4F	2.475	0
CLEC4G	1.304	0
CLEC4M	5.242	0
CLEC5A	7.022	0.14
CLEC6A	1.613	0
CLEC7A	4.546	0.48
CLEC9A	1.673	0
CLGN	2.705	0
CLIC1	3.753	0.45
CLIC2	2.686	0.22
CLIC3	0.813	0.6
CLIC4	4.29	11.11
CLIC5	5.703	0
CLIC6	3.8	0.11
CLINT1	4.474	54.75
CLIP1	5.88	7.5
CLIP2	11.11	3.61
CLIP3	3.349	0.68
CLIP4	4.261	0.28

CLK1	4.148	70.6
CLK2	2.737	10.08
CLK2P	26.923	0.12
CLK3	4.79	28.01
CLK4	2.869	12.18
CLLU1	3.897	0
CLLU1OS	0.686	0
CLMN	3.118	0.63
CLN3	1.689	7.85
CLN5	4.064	2.28
CLN6	2.187	9.46
CLN8	4.817	12.18
CLNS1A	1.366	13.18
CLNS1B	1.319	0.3
CLOCK	0.1	34.63
CLP1	2.432	10.45
CLPB	3.116	1.3
CLPP	1.151	21.31
CLPS	0.539	0
CLPSMCR	2.276	0.04
CLPTM1	2.469	14.95
CLPTM1L	2.148	10.45
CLPX	2.351	10.94
CLRN1	3.623	0
CLRN2	0.855	0
CLRN3	1.143	0
CLSPN	4.379	0.59
CLSTN1	6.93	33.41
CLSTN2	4.421	0
CLSTN3	3.187	6.36
CLTA	1.188	20.66
CLTB	1.725	19.55
CLTC	6.525	48.08
CLTCL1	5.483	0.84
CLU	3.244	0.52
CLUAP1	3.219	0.71
CLUL1	2.001	0
CLYBL	2.73	0.44
CMA1	0.784	0
CMAH	58.691	0.51
CMAS	1.741	3.41
CMBL	4.047	1.06
CMIP	4.382	7.39
CMKLR1	1.882	0
CMPK	2.811	15.91
CMTM1	1.55	0.2
CMTM2	1.063	1.58
CMTM3	2.563	17.33
CMTM4	10.887	1.63
CMTM5	1.2	0

CMTM6	3.366	26.96
CMTM7	1.351	19.55
CMTM8	1.973	19.36
CMYA1	6.451	0.09
CMYA3	10.221	0
CMYA5	12.892	0
CNBD1	1.593	0
CNBP	1.496	142.52
CNDP1	2.198	0.04
CNDP2	2.949	13.85
CNFN	0.523	0
CNGA1	2.525	0
CNGA2	3.285	0
CNGA3	3.47	0
CNGA4	1.851	0.11
CNGB1	4.344	0
CNGB3	4.347	0
CNIH	2.48	8.3
CNIH2	1.33	1.04
CNIH3	2.372	0
CNIH4	0.623	9.37
CNKSR1	2.514	0.44
CNKSR2	3.281	0.03
CNKSR3	5.713	66.66
CNN1	1.586	0
CNN2	2.458	10.63
CNN3	2.032	71.76
CNNM1	4.782	0.11
CNNM2	4.33	0.41
CNNM3	4.916	3.02
CNNM4	4.8	2.84
CNO	1.546	4.48
CNOT1	9.008	12.14
CNOT10	2.741	2.75
CNOT2	3.28	30.65
CNOT3	2.855	10.33
CNOT4	9.014	3.55
CNOT6	6.176	6.27
CNOT6L	5.886	34.59
CNOT7	3.671	5.23
CNOT8	2.483	45.62
CNP	5.222	5.71
CNPY1	2.718	0
CNR1	6.789	0.03
CNR2	1.775	1.56
CNTD1	2.241	0.27
CNTD2	1.783	0.11
CNTF	1.891	0.58
CNTFR	2.038	0
CNTN1	3.427	0

CNTN2	7.637	0.03
CNTN3	4.997	0
CNTN4	5.988	0
CNTN5	4.164	0
CNTN6	3.53	0
CNTNAP1	5.275	0.34
CNTNAP2	19.775	0.01
CNTNAP3	5.229	0
CNTNAP4	4.91	0
CNTNAP5	5.481	0
CNTROB	4.831	7.05
COASY	2.452	15.41
COBL	10.581	0
COBLL1	4.923	0.2
COBRA1	2.372	11.97
COCH	3.026	32.04
COG1	3.035	7.04
COG2	2.901	0.89
COG3	5.021	7.56
COG4	2.797	4.04
COG5	7.683	2.27
COG6	3.427	0.35
COG7	2.79	4.79
COG8	2.482	4.59
COIL	2.634	4.35
COILP1	2.595	0.12
COILP2	2.351	0.13
COL10A1	3.26	0
COL11A1	6.472	0
COL11A2	19.275	0
COL12A1	11.579	0
COL13A1	3.239	0
COL14A1	6.459	0
COL15A1	5.211	0
COL16A1	5.462	0.11
COL17A1	5.947	0
COL18A1	6.058	0.54
COL19A1	8.725	0
COL1A1	5.92	0.23
COL1A2	10.829	0.04
COL20A1	4.171	0
COL21A1	4.173	0
COL22A1	6.346	0
COL23A1	3.061	13.31
COL24A1	6.5	0.6
COL25A1	2.959	0
COL27A1	5.583	0.89
COL28A1	7.031	0.02
COL2A1	5.06	0
COL3A1	5.49	0

COL4A1	6.494	0.09
COL4A2	6.264	0.08
COL4A3	14.108	0.02
COL4A3BP	2.767	6.93
COL4A4	7.844	0.01
COL4A5	6.445	0
COL4A6	6.815	0
COL5A1	9.38	14.17
COL5A2	6.93	0.07
COL5A3	6.174	0
COL6A1	4.225	2.15
COL6A2	4.942	0.52
COL6A3	10.658	3.97
COL7A1	9.261	0.05
COL8A1	2.658	0
COL8A2	4.443	0.04
COL9A1	3.932	0
COL9A2	2.831	2.41
COL9A3	2.511	0.08
COLEC10	1.686	0
COLEC11	1.539	0.12
COLEC12	6.022	0
COLQ	10.155	24.57
COMMD1	0.713	7.63
COMMD10	1.427	1.73
COMMD2	1.424	4.44
COMMD3	0.946	11.61
COMMD4	0.925	12.72
COMMD5	3.112	3.56
COMMD6	1.138	34.34
COMMD7	1.464	11.22
COMMD8	1.412	1.48
COMMD9	1.286	13.07
COMP	2.452	0
COMT	1.559	12.06
COMTD1	0.975	1.63
COP1	1.152	16.06
COPA	5.183	33.58
COPB1	3.775	26.47
COPB2	3.062	13.02
COPE	2.371	40.1
COPG	3.074	18.34
COPG2	3.405	2.12
COPS2	1.947	22.61
COPS3	1.636	35.68
COPS4	1.748	5.55
COPS5	1.652	14.61
COPS6	2.852	5.2
COPS7A	1.795	4.03
COPS7B	1.977	9.46

COPS8	2.996	7.2
COPZ1	1.897	19.24
COPZ2	0.9	0.11
COQ10A	1.568	3.6
COQ10B	1.974	5.36
COQ2	1.538	0.77
COQ3	1.259	0.39
COQ4	1.548	15.28
COQ5	1.496	4.23
COQ6	1.976	4.11
COQ7	2.588	0.68
COQ9	1.616	2.2
CORIN	4.942	0
CORO1A	3.645	57.19
CORO1B	2.012	14.35
CORO1C	3.815	7.88
CORO2A	2.509	0.08
CORO2B	3.302	18.18
CORO6	1.844	4.45
CORO7	3.444	17.32
CORT	0.935	0.32
COTL1	1.827	13.54
COTL1P2	2.179	0.04
COVA1	4.319	0.48
COX1	1.542	0
COX10	3	1.42
COX11	2.703	1.29
COX11P	0.835	0.83
COX15	5.706	1.04
COX17	0.423	6.08
COX17P	0.192	2.58
COX18	4.523	2.06
COX19	7.215	7.42
COX2	0.684	0
COX3	0.781	0
COX4I1	1.343	251.58
COX4I2	0.684	0
COX4NB	1.911	4.56
COX5A	0.644	44.4
COX5AP1	0.449	4.18
COX5AP2	0.571	2.59
COX5B	0.505	114.22
COX5BL1	0.466	4.04
COX5BL7	0.388	0
COX6A1	0.548	115.55
COX6A1P	0.262	0.38
COX6A2	0.409	0
COX6B1	0.558	96.81
COX6B2	1.663	0
COX6BP1	1.432	0.83

COX6BP2	0.145	0
COX6BP3	0.493	0
COX6C	0.425	80.78
COX6CP1	0.215	13.81
COX6CP2	0.225	0
COX7A1	0.762	0.52
COX7A2	0.47	94.3
COX7A2L	1.117	69.44
COX7AP1	0.401	0
COX7AP2	0.321	11.4
COX7B	0.456	68.13
COX7B2	0.47	0
COX7BP1	0.244	4.87
COX7BP2	0.458	0
COX7C	0.407	210.27
COX7CP1	0.19	27.08
COX8A	0.507	137.58
COX8B	3.556	0
COX8C	0.531	0.19
CP	3.323	0.03
CP110	5.474	1.9
CPA1	2.728	0.04
CPA2	2.612	0.12
CPA3	1.633	0.12
CPA4	5.58	0.04
CPA5	5.15	0.05
CPA6	1.861	0
CPAMD8	5.836	0.22
CPB1	1.462	0
CPB2	2.283	0.04
CPD	8.025	1.74
CPE	2.431	0
CPEB1	2.776	0
CPEB2	5.627	0.84
CPEB3	5.84	1.16
CPEB4	6.909	4.68
CPLX1	2.14	0.09
CPLX2	4.934	0
CPLX3	2.012	0.05
CPLX4	1.946	0
CPM	7.862	23.48
CPN1	1.701	0
CPN2	3.028	0
CPNE1	2.89	24.37
CPNE2	3.932	25.86
CPNE3	4.848	9
CPNE4	2.576	0
CPNE5	3.339	0.29
CPNE6	2.01	0
CPNE7	2.657	5.07

CPNE8	3.461	0.12
CPNE9	2.049	0.04
CPO	1.125	0
CPOX	2.695	0.62
CPS1	5.745	0.53
CPSF1	4.494	24.2
CPSF1P1	3.801	1.77
CPSF2	5.041	1.1
CPSF3	2.171	8.16
CPSF3L	2.639	17.74
CPSF4	3.554	4.24
CPSF6	4.719	29.63
CPT1A	4.531	15.59
CPT1B	3.121	7.35
CPT1C	2.743	0.07
CPT2	3.092	1.4
CPVL	3.776	1.47
CPXCR1	1.594	0
CPXM1	2.39	16.06
CPXM2	3.724	0
CPZ	3.114	0.76
CR1	9.966	0.21
CR1L	1.793	0.11
CR2	4.145	0.03
CRABP1	0.738	0
CRABP2	0.969	0.41
CRADD	1.422	20.66
CRAMP1L	7.728	13.47
CRAT	3.195	3.13
CRB1	4.932	0
CRB2	5.64	0.28
CRB3	1.523	0
CRBN	2.581	16.67
CRCT1	0.695	0
CREB1	4.143	10.53
CREB3	1.851	4.06
CREB3L1	2.338	0.98
CREB3L2	14.906	6.47
CREB3L3	2.586	0
CREB3L4	1.747	3.29
CREB5	17.979	5.57
CREBBP	9.032	38.14
CREBL1	5.238	8.2
CREBL2	3.748	0.92
CREBZF	7.304	11.74
CREG1	2.026	11.47
CREG2	3.173	0
CRELD1	2.991	3.17
CRELD2	3.624	19.71
CREM	6.215	0.42

CRH	1.279	0
CRHBP	1.838	0.49
CRHR1	2.535	0
CRHR2	4.224	0.03
CRIM1	16.492	40.62
CRIM2	4.104	0.89
CRIP1	0.414	52.1
CRIP2	1.206	18.21
CRIP3	0.654	0.15
CRIPAK	1.935	7.93
CRIPT	1.24	1.6
CRISP1	3.075	0
CRISP2	1.383	0
CRISP3	2.107	0.47
CRISPLD1	4.061	0.07
CRISPLD2	4.562	0.33
CRK	4.286	5.17
CRKL	5.178	15.86
CRKRS	5.456	9.05
CRLF1	1.792	0
CRLF2	0.936	0
CRLF3	2.854	9.46
CRLS1	1.155	1.8
CRMP1	3.507	5.62
CRNKL1	4.406	6.69
CRNN	2.066	2.54
CROCC	6.642	4.75
CROP	4.011	42.33
CROT	6.346	0.43
CRP	2.015	0
CRPP1	0.825	0
CRSP2	7.984	5.74
CRSP3	5.713	10.83
CRSP6	3.412	8.35
CRSP7	3.184	8.27
CRSP8	1.384	5.72
CRSP9	1.066	2.41
CRTAC1	2.889	0
CRTAM	2.422	0.04
CRTAP	6.622	10.07
CRTC1	3.216	2.37
CRTC2	5.225	53.69
CRTC3	2.217	5.04
CRX	4.461	0
CRY1	2.985	16.54
CRY2	4.129	8.84
CRYAA	1.114	0
CRYAB	0.691	0
CRYBA1	0.975	3.15
CRYBA2	0.945	0

CRYBA4	0.807	0.12
CRYBB1	0.921	0.11
CRYBB2	0.722	0.27
CRYBB2P1	13.582	0.52
CRYBB3	0.853	0.12
CRYGA	0.697	0
CRYGB	0.629	0
CRYGC	0.7	0
CRYGD	0.606	0
CRYGEP1	4.737	0
CRYGFP1	2.679	0
CRYGGP1	0.285	0
CRYGN	1.704	4.47
CRYGS	0.842	0.83
CRYL1	1.528	3.82
CRYM	1.497	0.06
CRYZ	1.887	1.73
CRYZL1	1.711	4.16
CS	3.399	40.08
CSAD	2.645	10.06
CSAG1	1.093	0
CSAG2	0.788	0
CSAG3A	0.789	0
CSDA	1.913	659.05
CSDC2	2.304	0
CSDE1	6.143	80.57
CSE1L	3.561	7.53
CSF1	4.107	0.24
CSF1R	6.391	8.62
CSF2	0.781	0
CSF2RA	3.153	0.13
CSF2RB	2.996	2.15
CSF2RB2	3.194	0
CSF3	2.084	0.04
CSF3R	4.705	4.77
CSGlcA-T	7.94	7.53
CSH1	1.604	0
CSH2	1.613	0
CSHL1	1.076	0
CSK	2.416	20.89
CSMD1	11.814	0.01
CSMD2	13.108	0.01
CSMD3	13.692	0.03
CSN1S1	1.02	0
CSN1S2A	0.779	0
CSN2	1.066	0
CSN3	0.82	0
CSNK1A1	5.809	29.93
CSNK1A1L	2.407	2.34
CSNK1D	9.262	50.01

CSNK1E	6.63	45.8
CSNK1G1	8.06	2.03
CSNK1G2	2.635	63.34
CSNK1G3	4.376	2.72
CSNK2A1	3.146	9.37
CSNK2A1P	1.584	5.94
CSNK2A2	5.318	24.78
CSNK2B	3.384	0.18
CSPG4	7.896	0.19
CSPG4LYP1	4.593	0
CSPG4LYP2	4.593	0
CSPG5	1.988	0
CSPP1	3.715	1.39
CSRP1	1.817	7.84
CSRP2	0.901	12.4
CSRP2BP	4.259	0.79
CSRP2P	0.754	2.49
CSRP3	1.353	0
CST1	0.76	0
CST11	0.553	0
CST2	0.694	0
CST3	0.775	15.19
CST4	0.736	0
CST5	0.74	0
CST6	0.609	0
CST7	0.928	9.92
CST8	0.895	0
CST9	1.592	0
CST9L	0.902	0
CSTA	0.828	2.04
CSTB	0.658	28.12
CSTF1	2.656	8.42
CSTF2	2.017	2.01
CSTF2T	4.11	9.05
CSTF3	3.711	1.73
CSTL1	0.736	0
CSTP1	3.399	0
CSTP2	3.311	0
CT45-1	1.008	0
CT45-4	1.008	0
CT45-6	1.008	0
CT47.13	0.9	0
CT47.7	1.288	0
CT47.8	1.288	0
CTA-126B4.3	1.205	13.87
CTA-216E10.6	4.975	1.14
CTA-221G9.4	8.164	0.2
CTA-246H3.1	0.914	1.41
CTAG1A	0.748	0
CTAG1B	0.746	0

CTAG2	1.455	0
CTAGE1	4.315	0
CTAGE3	2.864	0
CTAGE5	5.523	2.12
CTAGE6	5.866	1.86
CTAGEP	2.473	0.12
CTB-1048E9.5	1.292	14.47
CTBP1	5.73	19.52
CTBP2	6.048	10.48
CTBS	1.618	4.59
CTCF	3.787	8.88
CTCFL	3.456	0
CTD-2090I13.4	0.309	7.68
CTDP1	14.1	21.71
CTDSP1	2.74	23.72
CTDSP2	5.02	59.62
CTDSPL	4.455	10.77
CTDSPL2	3.241	12.21
CTF1	1.664	0.71
CTF2P	18.229	0.17
CTF8	3.538	3.78
CTF8P	2.737	0.14
CTGF	2.286	328.19
CTGLF1	2.42	0
CTGLF10P	26.47	0
CTGLF11P	28.489	0.02
CTGLF2	7.113	0.07
CTGLF4	27.04	0.01
CTGLF5	149.506	0.05
CTGLF6	3.817	0.57
CTGLF7	55.553	0.06
CTGLF8P	2.631	0
CTGLF9P	12.324	0.1
CTH	1.805	0.11
CTHRC1	1.22	9.24
CTLA4	3.23	0.4
CTNNA1	3.761	19.42
CTNNA2	3.842	0
CTNNA3	3.02	0
CTNNAL1	2.695	17.58
CTNNAP1	3.42	2.11
CTNNB1	4.198	46.15
CTNNBIP1	2.995	14.04
CTNNBL1	1.888	9.28
CTNND1	7.311	42.25
CTNND2	5.436	0.02
CTNS	4.186	15.53
CTPS	2.756	11.09
CTPS2	4.151	2.45
CTR9	4.317	1.7

CTRB1	0.844	0
CTRB2	0.858	0
CTRC	0.899	0.99
CTRL	1.169	6.85
CTSA	1.814	7.8
CTSB	4.064	30.33
CTSC	7.619	1.2
CTSD	2.12	28.33
CTSE	3.312	0.09
CTSF	2.014	5.7
CTSG	0.924	5.67
CTSH	1.525	2.14
CTSK	1.702	2.84
CTSL1	1.821	1.09
CTSL2	1.496	0
CTSLL2	16.299	0
CTSLL3	3.168	0
CTSO	2.933	1.58
CTSS	4.1	11.92
CTSW	1.294	6.96
CTSZ	1.495	25.54
CTTN	4.662	0.09
CTTNBP2	11.94	0
CTTNBP2NL	4.471	7.28
CTXN1	1.238	0
CTXN3	0.246	0
CUBN	11.344	0.33
CUEDC1	2.193	1.35
CUEDC2	1.122	22.31
CUGBP1	7.276	43.47
CUGBP2	18.573	26.23
CUL1	6.418	9.14
CUL2	2.889	5.54
CUL3	6.788	16.4
CUL4A	4.58	8.32
CUL4B	3.493	5.56
CUL5	6.621	7.73
CUL7	5.471	2.93
CUTA	2.871	11.34
CUTC	1.318	3
CUTL1	14.819	5.22
CUTL2	6.841	0.06
CUZD1	2.897	0.11
CWF19L1	3.747	15.37
CWF19L2	2.92	2.64
CX3CL1	3.273	0
CX3CR1	3.108	0.51
CX40.1	1.58	0.06
CX62	1.632	0
CXADR	2.482	0

CXCL1	1.103	0.18
CXCL10	1.173	0
CXCL11	1.489	0
CXCL12	5.32	0.05
CXCL13	1.201	0
CXCL14	1.969	0
CXCL16	2.211	7.16
CXCL2	1.116	0.18
CXCL3	1.159	0.52
CXCL5	2.458	0
CXCL6	1.519	0
CXCL9	2.545	0
CXCR3	1.624	6.83
CXCR4	3.049	567.92
CXCR6	1.953	0.3
CXCR7	2.034	0.68
CXorf1	2.447	0
CXorf12	1.411	0.7
CXorf15	2.045	1.4
CXorf2	1.525	0
CXorf20	4.611	0
CXorf21	1.808	5.36
CXorf22	3.606	0
CXorf23	2.799	0.68
CXorf26	1.195	9.85
CXorf27	0.427	0
CXorf31	0.522	0
CXorf34	3.325	2.23
CXorf36	2.501	0
CXorf38	1.341	3.32
CXorf39	3.001	3.99
CXorf40A	1.366	5.79
CXorf40B	1.86	21.92
CXorf41	1.652	0
CXorf42	0.366	1.35
CXorf43	2.87	0
CXorf45	2.052	3.72
CXorf48	2.907	0
CXorf50	1.95	0
CXorf55	2.46	0
CXorf56	1.092	10.97
CXorf57	3.81	0.18
CXorf58	1.547	0
CXorf59	1.956	0
CXorf6	4.598	0.58
CXorf9	2.626	13.41
CXXC1	2.444	10.77
CXXC4	0.761	0
CXXC5	2.589	1.56
CXXC6	8.497	0.04

CXYorf11	2.303	0.04
CXYorf2	0.902	12.5
CXYorf3	3.21	49.1
CYB561	3.539	3.97
CYB561D1	3.326	2.65
CYB561D2	1.204	3.54
CYB5A	1.206	1.56
CYB5B	4.286	3.93
CYB5D1	3.497	4.69
CYB5D2	1.91	1.4
CYB5P3	0.398	0
CYB5P4	0.399	0
CYB5R1	1.643	6.27
CYB5R2	1.341	0.15
CYB5R3	2.209	39.14
CYB5R4	2.247	1.67
CYBA	4.222	57.55
CYBASC3	2.959	9.13
CYBB	4.268	2.92
CYBRD1	4.236	0.98
CYC1	1.171	17.4
CYCS	11.017	1.58
CYCSL1	0.633	0
CYCSP1	0.315	0
CYCSP10	0.308	0.32
CYCSP11	0.315	0
CYCSP12	0.304	0
CYCSP14	0.297	0
CYCSP16	0.171	0
CYCSP17	0.315	0
CYCSP18	0.472	0
CYCSP19	0.634	0.31
CYCSP2	0.313	1.58
CYCSP20	0.63	0
CYCSP22	0.313	0
CYCSP23	0.319	0.62
CYCSP24	0.316	0
CYCSP25	0.32	0.31
CYCSP26	0.325	0
CYCSP27	0.298	0
CYCSP28	0.326	0
CYCSP29	0.318	0
CYCSP3	0.318	4.67
CYCSP30	3.768	0
CYCSP32	0.318	0
CYCSP33	0.318	0
CYCSP34	0.313	0.64
CYCSP35	0.313	0
CYCSP38	0.274	0
CYCSP39	0.309	0

CYCSP4	0.277	0
CYCSP40	0.243	3.66
CYCSP41	0.193	0
CYCSP42	0.259	0
CYCSP43	0.312	0
CYCSP44	0.32	0
CYCSP45	0.318	3.11
CYCSP46	1.061	0.19
CYCSP48	0.277	0
CYCSP5	0.298	0
CYCSP51	0.318	1.56
CYCSP52	0.717	7.17
CYCSP53	0.28	0
CYCSP6	0.311	0
CYCSP7	0.304	0
CYCSP8	0.312	0
CYFIP1	5.683	22.28
CYFIP2	7.137	3.84
CYGB	2.572	50.5
CYHR1	1.19	4.57
CYLC1	2.268	0
CYLC2	2.101	0
CYLD	6.782	16.76
CYorf14	1.495	0.6
CYorf15A	1.97	6.73
CYorf15B	5.52	3.1
CYorf16	0.467	0
CYP11A1	1.816	0
CYP11B1	3.535	0
CYP11B2	2.936	0
CYP17A1	1.87	0
CYP19A1	3.098	0
CYP1A1	2.601	0.23
CYP1A2	3.127	0
CYP1B1	5.122	0.04
CYP20A1	2.687	0.92
CYP21A1P	4.043	0
CYP21A2	6.342	0.02
CYP24A1	3.274	0
CYP26A1	2.684	0
CYP26B1	4.528	0
CYP26C1	1.569	0
CYP27A1	2.059	0.1
CYP27B1	2.487	0.36
CYP2A13	1.747	0
CYP2A6	1.751	0
CYP2A7	2.471	0
CYP2A7P1	119.855	0
CYP2B6	3.052	0
CYP2B7P1	29.298	0

CYP2C18	1.995	0
CYP2C19	1.473	0
CYP2C8	1.852	0.27
CYP2C9	1.835	0
CYP2D6	1.659	2.45
CYP2D7P1	6.042	1.19
CYP2D8P1	5.322	0.52
CYP2E1	1.667	0.47
CYP2F1	1.826	0
CYP2F1P	8.097	0.31
CYP2G1P	8.934	0
CYP2G2P	11.993	0
CYP2J2	1.857	0
CYP2R1	1.619	3.36
CYP2S1	2.621	0
CYP2T2P	2.898	0.11
CYP2T3P	2.635	0.04
CYP2U1	4.752	0.17
CYP2W1	4.608	0.11
CYP39A1	2.272	0
CYP3A	0.1	0
CYP3A4	5.536	0.07
CYP3A43	5.95	0.38
CYP3A5	3.414	0
CYP3A5P1	30.198	0.01
CYP3A5P2	8.486	0
CYP3A7	4.16	0
CYP46A1	2.077	0
CYP4A11	2.813	0
CYP4A22	1.668	0
CYP4B1	2.147	0
CYP4F11	3.044	0
CYP4F12	1.693	0
CYP4F2	2.36	0
CYP4F3	5.052	0.31
CYP4F3LP	0.998	0.3
CYP4F8	1.846	0.05
CYP4V2	4.699	0.8
CYP4X1	2.357	0
CYP4Z1	1.907	0
CYP4Z2P	44.85	0
CYP51A1	6.75	0.66
CYP51P1	1.939	0.41
CYP51P2	0.134	0
CYP7A1	2.875	0
CYP7B1	2.232	0
CYP8B1	3.95	0.03
CYR61	2.019	0
CYS1	0.779	0
CYSLTR1	1.514	2.68

CYSLTR2	2.548	0.54
CYTB	1.135	0
CYTL1	1.001	9.39
CYR1	3.079	0
D15Wsu75e	0.745	3.19
D21S2056E	2.985	2.22
D2HGDH	2.893	20.76
D4S234E	5.135	0.04
D4ST1	2.142	2.36
D6S2723E	1.035	0
DAAM1	4.256	1.51
DAAM2	6.215	1.41
DAB1	2.58	0
DAB2	3.257	2.4
DAB2IP	5.906	1.34
DACH1	5.239	0.15
DACH2	2.232	0
DACT1	3.76	0.29
DACT2	2.942	0
DACT3	2.526	0.28
DAD1	0.683	11.87
DAG1	5.492	1.42
DAGLA	5.752	0.48
DAGLB	5.872	35.5
DAK	4.241	3.5
DALRD3	2.684	5.64
DAND5	1.732	0
DAO	1.573	0
DAOA	0.742	0
DAP	2.23	17.22
DAP3	2.028	23.51
DAPK1	5.938	0.46
DAPK2	2.628	0.34
DAPK3	2.105	17.34
DAPP1	2.955	1.88
DARC	1.301	0
DARS	2.322	7.63
DARS2	3.187	0.71
DAXX	7.41	0
DAZ1	3.836	0
DAZ2	5.875	0
DAZ3	3.391	0
DAZ4	4.031	0
DAZAP1	8.06	19.72
DAZAP2	2.431	101.75
DAZL	3.05	0
DBC1	3.158	0
DBF4	7.814	0.65
DBF4B	4.989	0.53
DBH	2.76	1.04

DBI	0.7	29.54
DBIL1	0.47	0
DBIL2	0.547	8.86
DBN1	3.615	4.41
DBNDD1	2.075	1.39
DBNDD2	4.302	1.77
DBNL	4.354	8.43
DBP	1.467	1.22
DBR1	2.65	3.48
DBT	3.538	1.17
DBX1	1.149	0
DBX2	2.722	0
DC2	1.08	16.21
DCAKD	2.03	3.85
DCAL1	0.635	0.47
DCAMKL1	5.703	0
DCAMKL2	3.657	0.03
DCAMKL3	5.747	0
DCBLD1	2.22	1.83
DCBLD2	6.093	0.26
DCC	4.609	0
DCC1	2.213	0.31
DCD	0.517	0
DCDC1	1.706	0
DCDC2	4.604	0
DCDC2B	1.05	0.1
DCDC5	4.741	0
DCHS1	10.756	5.21
DCHS2	11.84	0
DCI	1.029	9.04
DCK	2.462	15.23
DCLRE1A	4.216	0.23
DCLRE1B	3.651	0.92
DCLRE1C	4.418	5.19
DCN	3.504	0
DCP1A	4.013	18.54
DCP1B	2.092	0.85
DCP2	9.248	3.81
DCPS	1.479	2.54
DCST1	2.279	0.13
DCST2	2.485	0.08
DCT	2.291	0
DCTD	2.324	13.11
DCTN1	5.011	11.25
DCTN2	2.299	35.85
DCTN3	1.305	13.19
DCTN4	4.481	90.76
DCTN5	3.526	18.24
DCTN6	1.234	22.05
DCUN1D1	3.152	3.17

DCUN1D2	5.471	2.55
DCUN1D3	2.967	1.07
DCUN1D4	4.265	1.53
DCUN1D5	1.249	5.07
DCX	10.08	0
DCXR	0.829	6.68
DDAH1	3.92	0
DDAH2	3.993	0
DDB1	4.217	53.87
DDB2	2.318	16.86
DDC	5.174	5.72
DDEF1	6.042	9.38
DDEF1IT1	1.179	0
DDEF2	5.711	1.19
DDEFL1	4.05	0.17
DDHD1	3.548	5.64
DDHD2	3.31	3.86
DDI1	2.589	0
DDI2	1.759	9
DDIT3	0.911	26.07
DDIT4	1.752	354.75
DDIT4L	2.592	0.15
DDN	3.744	0.11
DDO	1.709	1.33
DDOST	2.345	42.19
DDPP	0.295	0.67
DDR1	12.999	2.41
DDR2	3.252	0
DDT	0.666	29.86
DDX1	2.706	5.38
DDX10	3.193	2.88
DDX11	4.048	12.22
DDX12	4.417	3.27
DDX17	8.259	57.79
DDX18	3.765	4.68
DDX18P1	2.373	0.5
DDX19A	2.903	7.22
DDX19B	2.347	11.34
DDX20	3.446	5.23
DDX21	4.603	15.33
DDX23	3.267	6.02
DDX24	3.357	49.45
DDX25	1.691	0.06
DDX26B	3.793	3.94
DDX27	2.643	15.08
DDX28	2.786	5.79
DDX31	3.786	1.12
DDX39	4.876	29.83
DDX3X	5.683	53.62
DDX3Y	4.41	41.6

DDX4	2.428	0
DDX41	2.104	19.61
DDX42	4.228	50.76
DDX43	2.291	0.04
DDX46	5.679	7.49
DDX47	2.351	29.62
DDX49	1.82	13.92
DDX5	3.985	362.38
DDX50	2.538	6.82
DDX51	2.802	4.38
DDX52	4.137	3.59
DDX53	2.12	0
DDX54	4.378	18.66
DDX55	2.622	4.07
DDX56	5.228	7.16
DDX58	4.756	0.75
DDX59	5.113	12.99
DDX6	5.753	45.84
DEADC1	3.548	5.19
DEAF1	2.716	16.14
DEC1	1.251	0
DECR1	1.251	7.59
DECR2	1.583	3.25
DEDD	2.438	15.3
DEDD2	1.887	13.79
DEF6	2.839	26.56
DEFA1	0.486	3.26
DEFA3	0.487	1.01
DEFA4	0.542	6.21
DEFA5	0.449	0
DEFA6	0.465	0
DEFA8P	4.58	0
DEFB1	0.463	0
DEFB103A	0.518	0
DEFB104A	0.281	0
DEFB104B	0.281	0
DEFB105A	0.237	0
DEFB105B	0.237	0
DEFB106A	0.303	0
DEFB106B	0.303	0
DEFB107A	0.389	0
DEFB107B	0.389	0
DEFB108B	0.222	0
DEFB108P1	2.993	0
DEFB109	0.264	0
DEFB110	0.189	0
DEFB111	0.384	0
DEFB112	0.342	0
DEFB113	0.249	0
DEFB114	0.21	0

DEFB115	0.267	0
DEFB116	0.309	0
DEFB118	0.589	0
DEFB119	1.036	0
DEFB121	0.282	0
DEFB122	14.448	0
DEFB123	0.378	0
DEFB124	0.216	0
DEFB125	0.709	0
DEFB126	0.413	0
DEFB127	0.439	0
DEFB128	0.282	0
DEFB129	0.672	0
DEFB130	0.24	0
DEFB131	0.213	0
DEFB134	0.201	0
DEFB136	0.198	0
DEFB137	0.221	0
DEFB4	0.336	0
DEGS1	2.632	6.31
DEGS2	1.349	2.35
DEK	3.144	21.06
deltaNEMO	8.886	8.97
DENND1A	5.363	2.28
DENND1B	2.197	0.5
DENND1C	2.795	1.48
DENND2A	7.47	0.01
DENND2C	4.685	0.09
DENND2D	2.042	2.23
DENND3	9.178	154.02
DENND4A	6.585	11.93
DENND4B	5.923	15.18
DENND4C	5.507	7.46
DENR	3.061	12.7
DEPDC1	3.286	0.21
DEPDC1B	2.467	0.28
DEPDC2	5.414	0.04
DEPDC4	1.155	0
DEPDC5	5.952	1.92
DEPDC6	2.167	0.23
DEPDC7	1.994	0
DERA	1.528	4.53
DERL1	3.034	18.46
DERL2	1.127	13.34
DERL3	5.753	1.12
DES	2.248	0
DET1	2.315	0.64
DEXI	2.272	12.85
DFFA	4.732	1.48
DFFB	5.528	0.25

DFNA5	4.436	1.74
DFNB31	4.022	0.57
DGAT1	1.969	13.47
DGAT2	2.42	0.77
DGAT2L3	0.987	0
DGAT2L4	2.124	0.04
DGAT2L6	1.708	0.06
DGAT2L7	1.5	0
DGCR14	1.697	10.96
DGCR2	4.418	4.5
DGCR5	5.427	0
DGCR6	1.171	3.13
DGCR6L	1.159	12.47
DGCR8	4.441	7.07
DGKA	3.325	21.3
DGKB	9.706	0
DGKD	11.352	35.02
DGKE	2.562	2.59
DGKG	3.76	0.03
DGKH	4.902	0.81
DGKI	9.56	0.03
DGKK	3.917	0
DGKQ	4.636	3.09
DGKZ	4.111	6.93
DGUOK	1.144	7.18
DHCR24	4.27	0.04
DHCR7	2.584	2.11
DHDDS	3.538	5
DHDH	1.084	0.09
DHFR	3.917	0.91
DHFRL1	3.756	0.24
DHFRP1	0.967	0
DHH	1.936	0
DHODH	3.132	0.53
DHPS	1.476	8.84
DHRS1	1.47	2.36
DHRS12	3.694	8.03
DHRS13	1.908	1.04
DHRS2	2.311	0
DHRS3	2.613	68.69
DHRS4	1.278	5.42
DHRS4L2	1.269	3.28
DHRS7	1.282	5.79
DHRS7B	1.375	1.44
DHRS7C	0.978	0
DHRS9	3.362	0.15
DHRSX	2.537	1.68
DHTKD1	5.159	1.92
DHX15	4.598	40.01
DHX16	10.131	0.09

DHX29	4.473	7.21
DHX30	4.675	21.39
DHX32	3.07	0.42
DHX33	4.076	1.22
DHX34	5.17	0.92
DHX35	3.301	4.44
DHX36	3.601	9.64
DHX37	4.549	6.42
DHX38	4.98	27.26
DHX40	3.656	16.13
DHX40P	39.226	0.29
DHX57	4.83	2.2
DHX8	4.2	19.03
DHX9	4.198	41.41
DHX9P	4.164	6.58
DIABLO	1.669	12.68
DIAPH1	5.772	34.27
DIAPH2	9.477	0.78
DIAPH3	2.691	0
DICER1	10.413	9.33
DIDO1	14.243	6.78
DIMT1L	1.557	5.91
DIO1	3.161	0
DIO2	7.233	0
DIO3	2.1	0
DIO3OS	3.454	0
DIP	4.316	11.53
DIP2A	6.995	2.66
DIP2B	8.715	8.72
DIP2C	6.592	7.52
DIRAS1	3.671	14.26
DIRAS2	4.107	0
DIRAS3	1.631	0
DIRC1	1.454	0
DIRC2	2.106	2.2
DIS3	7.306	2.85
DIS3L	3.658	1.43
DIS3L2	3.702	7.7
DISC1	8.98	0.92
DISC2	3.892	0.08
DISP1	4.743	0.04
DISP2	5.032	0.16
DIXDC1	6.106	0.02
dJ222E13.2	11.1	0.92
dJ341D10.1	2.11	0.14
dJ507I15.1	0.773	0.51
dJ612B15.1	11.417	0.11
DKC1	2.454	16.65
DKFZp313A2432	5.235	1.68
DKFZP434A0131	3.886	1.45

DKFZP434B0335	9.791	5.16
DKFZP434B061	0.997	0
DKFZp434B1231	3.926	0
DKFZp434E1119	0.761	0.13
DKFZP434I0714	3.505	1.87
DKFZp434K1815	4.396	2.12
DKFZp434K191	4.835	0
DKFZp434N035	1.958	0.15
DKFZP434O047	0.67	0
DKFZP434P211	2.459	0
DKFZp451A211	5.11	0.21
DKFZp547H025	1.844	0
DKFZP547L112	1.236	0
DKFZP564C196	2.242	0.44
DKFZP564J0863	2.256	6.53
DKFZP564J102	2.244	0
DKFZp564N2472	2.54	0
DKFZP564O0523	3.434	5.42
DKFZP564O0823	5.039	0
DKFZP586H2123	2.787	0
DKFZp586I1420	5.52	13.15
DKFZP586P0123	6.036	1.67
DKFZp666G057	3.131	0.04
DKFZp667G2110	4.785	1.37
DKFZp667M2411	1.873	3.8
DKFZP686A01247	5.114	0
DKFZp686A1627	76.726	0.01
DKFZP686C2281	3.93	0.07
DKFZp686D0972	2.793	0
DKFZP686E2158	0.461	12.67
DKFZp686I15217	2.469	0.12
DKFZp686J0529	2.236	0
DKFZp686K16132	3.223	7.06
DKFZP686M0199	2.735	0
DKFZp686O24166	6.382	0.14
DKFZp761B107	5.585	0.04
DKFZp761E198	4.17	1.48
DKFZp761P0423	5.788	7.83
DKFZp762E1312	3.05	2.18
DKFZp779B1540	3.732	0
DKFZp779B1634	2.754	0
DKFZP779L1853	3.708	0.03
DKFZp779O175	1.692	0.12
DKFZP781G0119	5.13	0
DKFZp781N1041	1.407	0
DKK1	1.805	0.55
DKK2	3.637	0
DKK3	3.016	0
DKK4	0.818	0
DKKL1	1.031	0

DKKL2	0.698	0
DLAT	3.3	1.08
DLC1	8.019	0.04
DLD	7.158	5.45
DLEC1	6.063	0.2
DLEU1	0.874	2.27
DLEU2	2.768	2.04
DLEU2L	1.657	0.6
DLEU7	2.092	0
DLG1	3.043	3.64
DLG2	7.724	0
DLG3	5.148	9.79
DLG4	3.984	5.94
DLG5	7.101	2.36
DLG7	2.979	0.04
DLGAP1	3.417	0
DLGAP2	10.095	0.29
DLGAP3	3.587	0.05
DLGAP4	5.829	6.47
DLK1	2.48	0
DLL1	3.077	3.6
DLL3	2.644	0
DLL4	3.383	0.06
DLST	3.46	59.45
DLSTP	3.01	11.87
DLX1	4.055	0.03
DLX2	2.304	0.09
DLX3	2.602	0
DLX4	2.16	0
DLX5	2.848	0
DLX6	3.582	0
DMAP1	2.143	12.79
DMBT1	7.686	0
DMBX1	3.229	0
DMC1	2.269	0.04
DMD	19.358	0.01
DMGDH	3.083	0
DMKN	2.014	0
DMN	10.098	0.87
DMP1	2.676	0
DMPK	2.742	3.75
DMRT1	2.222	0
DMRT2	3.796	0
DMRT3	2.184	0
DMRTA1	2.302	0
DMRTA2	2.744	0
DMRTB1	1.907	0
DMRTC1	1.044	0.09
DMRTC2	1.821	0
DMTF1	8.625	15.44

DMWD	3.308	2.3
DMXL1	11.072	2.28
DMXL2	9.61	0.7
DNA2L	4.416	0.74
DNAH1	13.429	3.18
DNAH10	3.422	0
DNAH11	28.381	0.23
DNAH17	4.791	1.84
DNAH2	13.505	0.02
DNAH3	12.351	0.04
DNAH5	13.971	0
DNAH7	12.388	0.05
DNAH8	13.86	0
DNAH9	14.381	0
DNAHL1	1.846	0
DNAI1	2.521	0
DNAI2	2.253	0
DNAJA1	1.538	20.97
DNAJA2	1.937	15.48
DNAJA3	2.687	2.47
DNAJA4	3.175	2.77
DNAJA5	6.208	1.91
DNAJB1	2.233	57.33
DNAJB11	2.112	22.72
DNAJB12	6.496	12.72
DNAJB13	1.875	2.8
DNAJB14	5.96	4.15
DNAJB2	4.243	12.5
DNAJB4	2.24	3.45
DNAJB5	2.442	0.77
DNAJB6	10.209	11.75
DNAJB7	2.578	0.73
DNAJB8	2.468	0
DNAJB9	4.742	2.06
DNAJC1	1.881	0.74
DNAJC10	4.193	4.84
DNAJC11	3.197	4.43
DNAJC12	1.668	0
DNAJC13	7.595	1.82
DNAJC14	3.246	21
DNAJC15	2.776	5.2
DNAJC16	6.024	1.31
DNAJC17	0.993	2.79
DNAJC18	3.539	0.42
DNAJC19	2.796	1.1
DNAJC3	1.917	8.15
DNAJC4	1.904	15.02
DNAJC5	5.126	25.03
DNAJC5B	1.38	0
DNAJC5G	2.006	0

DNAJC6	5.75	0.04
DNAJC7	1.752	17.16
DNAJC8	1.479	23.21
DNAJC8P1	1.577	2.07
DNAJC9	1.437	11.23
DNAL1	1.166	0.17
DNAL4	1.487	2.66
DNALI1	2.649	0
DNAPTP6	2.336	32.32
DNASE1	3.098	0.42
DNASE1L1	3.69	6.03
DNASE1L2	1.326	0.22
DNASE1L3	1.463	0
DNASE2	2.01	1.82
DNASE2B	1.625	0
DND1	1.603	5.43
DNER	3.257	0
DNHD1	3.378	3.19
DNHD2	2.382	0
DNM1	3.848	3.68
DNM1L	4.015	16.19
DNM2	4.651	36.76
DNM3	7.627	0.01
DNMBP	6.199	20
DNMT1	5.408	7.76
DNMT3A	5.906	3.16
DNMT3AP1	2.748	0
DNMT3B	4.778	1.14
DNMT3L	1.871	0.27
DNPEP	1.672	15.15
DNTT	2.61	115.31
DNTTIP1	1.29	10.59
DNTTIP2	2.38	15.47
DOC2A	2.066	2.39
DOC2B	2.026	0
DOCK1	6.642	0.02
DOCK10	4.274	2.76
DOCK11	6.626	11.44
DOCK2	6.05	10.69
DOCK3	8.706	0.05
DOCK4	16.672	0.05
DOCK5	7.555	0.24
DOCK6	6.356	0.04
DOCK7	7.052	1.36
DOCK8	7.233	6.22
DOCK9	7.523	1.12
DOHH	1.74	4.84
DOK1	1.89	2.35
DOK2	1.77	5.93
DOK3	1.724	12.4

DOK4	2.689	3.64
DOK5	1.833	0
DOK6	1.96	0
DOK7	2.549	0
DOLK	2.204	0.94
DOLPP1	2.153	0.69
DOM3Z	4.77	0
DONSON	2.17	4.19
DOPEY1	7.899	2.7
DOPEY2	7.679	0.59
DOT1L	7.501	17.77
DP58	3.728	0
DPAGT1	2.937	1.69
DPCR1	5.905	0
DPEP1	2.14	53.03
DPEP2	1.697	1.64
DPEP3	1.652	0.06
DPF1	1.424	0
DPF2	2.409	14.66
DPF3	4.119	0
DPH1-OVCA2	3.228	18.3
DPH2	2.497	2.45
DPH3	0.532	2.42
DPH4	3	0.33
DPH5	1.3	14.15
DPM1	1.047	16.91
DPM2	0.91	4.13
DPM3	0.831	7.5
DPP10	4.581	0
DPP3	2.692	4.37
DPP4	3.9	0.59
DPP6	9	0
DPP7	2.121	47.86
DPP8	4.568	3.56
DPP9	4.258	7.44
DPPA2	1.379	0
DPPA3	1.04	0
DPPA4	2.579	0
DPPA5	0.612	0
DPRX	0.648	0
DPRXP1	0.614	0
DPRXP2	1.003	0
DPRXP3	0.639	0
DPRXP4	0.67	1.33
DPRXP5	0.895	0
DPRXP6	0.659	0.15
DPRXP7	0.654	0
DPT	1.703	0
DPY19L1	9.73	0.35
DPY19L2	4.057	0

DPY19L2P1	43.61	0.01
DPY19L2P3	10.642	0
DPY19L3	4.456	0.84
DPY19L4	4.179	1.7
DPYD	4.409	1.55
DPYS	2.122	0
DPYSL2	4.54	16.15
DPYSL3	5.05	0
DPYSL4	2.715	0.04
DPYSL5	3.061	0
DQX1	2.54	0
DR1	4.097	14.51
DRAM	3.058	6.66
DRAP1	0.988	19.73
DRB1	1.785	2.55
DRD1	3.373	0
DRD1IP	0.914	0
DRD2	2.579	0
DRD3	1.824	0
DRD4	1.36	2.25
DRD5	2.031	0
DRD5P1	2.05	0
DRD5P2	2.049	0
DRG1	1.45	13.44
DRG2	1.888	8.91
DRP2	3.498	0
DSC1	5.747	0.02
DSC2	7.343	0.03
DSC3	9.215	0
DSCAM	8.388	0
DSCAML1	6.899	0
DSCR1	3.075	18.41
DSCR10	0.86	0
DSCR1L1	3.186	0
DSCR1L2	1.7	0.46
DSCR2	1.128	5.7
DSCR3	3.251	3.4
DSCR4	1.098	0
DSCR6	2.235	0.71
DSCR8	1.287	0
DSCR9	1.644	0.06
DSE	3.96	3.05
DSEL	9.281	0.11
DSG1	4.512	0
DSG2	3.518	0
DSG3	3.336	0
DSG4	3.579	0
DSN1	2.095	4.11
DSP	10.228	0.02
DSPP	4.331	0

DSS1P1	0.477	18.04
DST	30.184	0.2
DSTN	2.312	1.97
DTD1	1.344	0.67
DTL	4.199	1.88
DTNA	8.632	0
DTNB	2.474	1.2
DTNBP1	3.75	7.63
DTWD1	1.222	2.59
DTWD2	2.307	0.04
DTX1	3.288	2.62
DTX2	5.538	0.37
DTX3	2.029	1.51
DTX3L	4.92	5.99
DTX4	8.446	0.71
DTYMK	1.053	3.76
DUB3	1.593	0
DUB4	1.197	0
DULLARD	1.528	47.26
DUOX1	5.677	0.07
DUOX2	6.346	0
DUOXA1	1.88	0
DUOXA2	1.725	0
DUPD1	0.663	0
DUS1L	2.222	34.87
DUS2L	1.926	2.21
DUS3L	2.056	8.18
DUS4L	4.5	0.64
DUSP1	2.016	100.85
DUSP10	3.609	3.01
DUSP11	1.575	12.57
DUSP12	1.249	6.1
DUSP13	3.403	0.03
DUSP14	1.455	3.13
DUSP15	1.905	4.83
DUSP16	3.566	1.16
DUSP18	2.453	1
DUSP19	5.179	0.02
DUSP2	1.682	35.18
DUSP21	0.885	0
DUSP22	1.822	6.74
DUSP23	0.685	3.9
DUSP26	1.649	22.08
DUSP27	4.034	0
DUSP28	1.555	4.2
DUSP3	4.1	2.63
DUSP4	5.15	0.02
DUSP5	2.528	0.31
DUSP5P	9.975	0.04
DUSP6	2.82	9.79

DUSP7	1.239	4.71
DUSP8	2.371	11.18
DUSP9	2.285	0.09
DUT	2.94	13.46
DUX1	1.229	0
DUX4	2.571	0
DUX4C	1.125	0
DUXA	3.346	0
DUXAP1	0.535	0
DUXAP10	3.087	0.06
DUXAP2	1.009	0
DUXAP3	3.458	0
DUXAP4	1.613	0
DUXAP5	1.318	0
DUXAP6	1.06	0
DUXAP7	1.33	0
DUXAP8	3.087	0.32
DUXAP9	3.086	0.16
DVL1	3.462	5.8
DVL2	3.016	7.31
DVL3	5.062	13.02
DYDC1	0.75	0
DYDC2	1.842	0.05
DYM	2.628	8.66
DYNC1H1	14.224	13.58
DYNC1I1	5.9	0.44
DYNC1I2	2.602	5.48
DYNC1LI1	2.477	10.9
DYNC1LI2	6.326	25.31
DYNC2H1	14.067	0.25
DYNC2LI1	2.52	0.31
DYNLL1	0.99	3.8
DYNLL2	2.065	46.57
DYNLRB1	0.685	27.88
DYNLRB2	0.497	0
DYNLT1	1.725	27.99
DYNLT3	2.158	3.76
DYRK1A	13.9	14.93
DYRK1B	2.767	2.76
DYRK2	6.267	9.63
DYRK3	2.914	8.76
DYRK4	1.845	2.95
DYSF	6.883	0.95
DYSFIP1	0.586	0
DYTN	31.844	0.01
DYX1C1	2.844	0.04
DZIP1	7.47	0
DZIP1L	3.493	0.03
DZIP3	5.295	0.26
E2F1	2.486	7.6

E2F2	5.192	4.94
E2F3	4.745	7.21
E2F4	2.1	18.23
E2F5	1.728	0.52
E2F6	2.396	0.7
E2F7	5.726	0.33
E2F8	3.721	0.69
E4F1	2.573	6.58
EAF1	4.838	22.25
EAF2	1.02	3.2
EARS2	3.841	1.34
EBAG9	1.862	3.93
EBF1	6.231	29.11
EBF2	2.28	0
EBF3	4.361	0.41
EBI2	1.73	2.58
EBI3	1.138	0.44
EBNA1BP2	1.322	4.04
EBP	1.064	14.78
EBPL	0.914	11.47
ECAT1	1.018	0
ECAT8	3.931	0
ECD	2.396	15.48
ECE1	2.409	1.35
ECE2	3.497	0.03
ECEL1	2.858	15.68
ECEL1P2	1.295	0
ECEL1P3	0.238	0
ECGF1	1.6	1.92
ECH1	1.263	17.71
ECHDC1	2.257	3.02
ECHDC2	1.126	9.05
ECHDC3	1.627	1.88
ECHS1	1.516	16.71
ECM1	1.819	245.19
ECM2	3.163	1.16
ECOP	5.78	2.11
ECSIT	1.628	10.39
ECSM2	0.246	0
ECT2	3.916	0.53
EDA	8.202	0.12
EDA2R	3.372	0.03
EDAR	4.212	0
EDARADD	3.017	5.8
EDC3	3.739	1.72
EDC4	4.727	20.98
EDD1	9.394	19.77
EDEM1	10.314	77.23
EDEM2	1.885	5.93
EDEM3	6.283	1.35

EDF1	1.146	78.82
EDG1	2.898	24.38
EDG2	3.168	0
EDG3	4.206	0
EDG4	1.823	14.43
EDG5	1.154	0.17
EDG6	2.5	93.12
EDG7	1.137	0
EDG8	2.122	1.68
EDIL3	2.974	0
EDN1	1.328	0.15
EDN2	1.196	0
EDN3	5.807	0
EDNRA	4.093	0
EDNRB	4.658	0.02
EEA1	4.866	0.43
EED	2.819	4.59
EEF1A1	4.019	354.68
EEF1A2	1.843	0
EEF1AL11	1.748	5.95
EEF1B1	0.795	2.36
EEF1B2	1.289	189.2
EEF1B3	0.861	11.6
EEF1D	2.603	168.15
EEF1E1	1.036	2.19
EEF1G	3.094	42.11
EEF2	3.158	1413.81
EEF2K	7.412	3
EEFSEC	2.216	2.14
EFCAB1	2.051	0
EFCAB2	0.994	1.8
EFCAB3	1.542	0.06
EFCAB4A	1.752	3.72
EFCAB4B	2.719	7.42
EFCAB5	6.163	0.04
EFCBP1	5.224	0
EFCBP2	1.606	0
EFEMP1	3.046	0.36
EFEMP2	1.939	8.83
EFHA1	1.876	5.32
EFHA2	3.985	0
EFHB	2.823	0
EFHC1	2.099	6.51
EFHC2	2.464	0.24
EFHD1	1.868	0.05
EFHD2	2.365	25.02
EFNA1	1.809	21.99
EFNA2	0.642	0
EFNA3	1.782	0.55
EFNA4	1.967	0.1

EFNA5	1.574	0
EFNB1	3.336	6.08
EFNB2	4.322	3.25
EFNB3	3.219	0.19
EFS	3.118	0
EFTUD1	3.562	0.28
EFTUD2	3.717	13.15
EGF	4.874	0
EGFL11	2.23	0
EGFL6	2.382	0
EGFL7	2.039	38.58
EGFL8	3.807	0.1
EGFL9	1.61	0.12
EGFLAM	8.135	0
EGFR	13.29	0
EGLN1	6.806	13.69
EGLN2	7.135	6.12
EGLN3	2.724	0
EGR1	3.136	4.17
EGR2	2.979	0.2
EGR3	4.334	0.36
EGR4	2.149	0
EHBP1	5.032	0.92
EHBP1L1	5.513	19.88
EHD1	3.457	9.99
EHD2	3.495	0.03
EHD3	3.583	4.06
EHD4	2.881	1.72
EHF	3.617	0
EHHADH	3.801	0.05
EHMT1	6.696	18.42
EHMT2	11.904	0
EI24	3.421	8.33
EID1	2.091	24.13
EID2	1.393	2.2
EID2B	1.865	1.06
EID3	1.435	1.58
EIF1	1.468	669.51
EIF1AP1	1.673	10.41
EIF1AX	4.431	6.25
EIF1AY	1.39	12.24
EIF1B	1.012	81.54
EIF2A	3.879	20.58
EIF2AK1	5.594	10.88
EIF2AK2	2.808	2.89
EIF2AK3	5.251	55.13
EIF2AK4	5.512	23.19
EIF2B1	1.794	18.69
EIF2B2	1.539	5.65
EIF2B3	1.659	1.61

EIF2B4	2.144	7.52
EIF2B5	2.898	9.01
EIF2C1	7.478	1.76
EIF2C2	7.328	33.21
EIF2C3	3.966	0.95
EIF2C4	5.736	8.88
EIF2S1	4.165	3.35
EIF2S2	2.592	8.7
EIF2S2P	1.545	0.57
EIF2S2P2	1.375	0.14
EIF2S3	3.465	49.28
EIF3S1	2.558	11.72
EIF3S10	5.305	37.86
EIF3S12	0.879	160.96
EIF3S2	1.458	45.88
EIF3S3	1.275	222.47
EIF3S4	2.07	93.68
EIF3S5	1.256	270.51
EIF3S5P	1.04	2.95
EIF3S6	1.796	136.73
EIF3S6IP	1.949	292.75
EIF3S6IPP	1.834	20.12
EIF3S6IPP2	0.984	38.01
EIF3S6P1	1.468	39.49
EIF3S7	2.137	134.81
EIF3S8	3.154	60.79
EIF3S9	8.838	14.27
EIF4A1	2.602	47.75
EIF4A1P	0.941	0
EIF4A2	3.246	98.82
EIF4A3	1.686	9.04
EIF4B	4.476	69.67
EIF4BP	0.344	0
EIF4E	2.474	5.87
EIF4E1B	0.654	0
EIF4E2	1.009	12.75
EIF4E2P1	0.591	0
EIF4E3	2.764	0.76
EIF4EBP1	0.844	8.09
EIF4EBP1P	0.808	0.37
EIF4EBP2	3.196	16.19
EIF4EBP3	0.691	7.87
EIF4ENIF1	3.521	3.17
EIF4EP1	0.639	2.17
EIF4G1	6.388	17.69
EIF4G2	4.886	57.63
EIF4G3	5.793	9.05
EIF4H	6.114	73.08
EIF5	6.436	24.75
EIF5A	1.234	38.56

EIF5A2	5.537	0.04
EIF5AP1	0.543	0.91
EIF5AP2	0.559	0
EIF5AP3	0.558	0.53
EIF5B	4.698	9.88
ELA1	0.952	0
ELA2	0.924	9.31
ELA2A	0.916	0
ELA2B	0.923	0
ELA3A	0.907	0
ELA3B	1.003	0
ELAC1	2.233	0.4
ELAC2	2.968	7.43
ELAVL1	6.058	4.36
ELAVL2	2.177	0
ELAVL3	5.013	0
ELAVL4	1.578	0
ELF1	4.508	98.15
ELF2	4.018	18.39
ELF3	4.99	0.06
ELF4	4.166	11.42
ELF5	2.683	0
ELK1	2.828	7.14
ELK2P1	3.717	0.05
ELK2P2	6.869	0.03
ELK3	3.155	24.96
ELK4	5.347	6.2
ELL	4.008	8.29
ELL2	4.525	11.8
ELL3	2.113	0.19
ELMO1	8.379	4.41
ELMO2	3.704	10.26
ELMO3	2.512	0.79
ELMOD1	2.734	0
ELMOD2	1.292	2.29
ELN	4.548	0.06
ELOF1	1.019	9.9
ELOVL1	1.483	18.82
ELOVL2	4.027	0.91
ELOVL3	1.313	0
ELOVL4	2.967	0.07
ELOVL5	3.899	26.67
ELOVL6	3.029	0.13
ELOVL7	3.815	0
ELP3	3.074	1.71
ELP4	1.567	1.14
ELSPBP1	1.031	0
ELTD1	2.55	0
EMB	2.074	8.01
EMCN	1.483	0.07

EMD	1.558	26.74
EME1	2.304	0.52
EME2	1.335	3.26
EMG1	0.996	8.94
EMID1	2.06	22.14
EMID2	3.901	4.19
EMILIN1	3.431	1.35
EMILIN2	4.009	3.04
EMILIN3	3.827	0.2
EML1	4.522	0
EML2	2.248	2.6
EML3	3.165	18.28
EML4	5.523	10.25
EML5	7.081	0
EMP1	2.749	20.41
EMP2	2.266	6.68
EMP3	0.816	141.5
EMR1	3.123	0.12
EMR2	6.962	3.35
EMR3	2.951	0.03
EMR4	2.052	0
EMX1	3.12	0
EMX2	2.892	0
EMX2OS	7.28	0
EN1	2.943	0
EN2	9.562	0
ENAH	13.172	0.55
ENAM	5.674	0.04
ENC1	4.785	0.66
ENDOD1	4.693	3.31
ENDOG	1.145	1.72
ENDOGL1	1.459	2.78
ENG	4.475	95.64
ENO1	2.05	135.61
ENO1P	1.825	13.71
ENO2	2.423	2.12
ENO3	1.558	3.74
ENOPH1	1.973	3.26
ENOSF1	1.778	3.67
ENPEP	3.829	0
ENPP1	3.493	0
ENPP2	3.276	14.17
ENPP3	2.787	0
ENPP4	4.311	0.32
ENPP5	2.943	0.07
ENPP6	3.841	0
ENPP7	1.842	0
ENSA	4.438	22.54
ENSAP	0.341	0
ENSAP2	0.474	26.92

ENTHD1	2.71	0
ENTPD1	1.94	3.06
ENTPD2	2.166	0.09
ENTPD3	2.776	0.04
ENTPD4	10.151	49.61
ENTPD5	1.992	0.35
ENTPD6	2.729	10.26
ENTPD7	3.017	0.04
ENTPD8	2.111	0
ENY2	0.783	33.48
EOMES	2.754	0.51
EP300	8.765	20.11
EP400	12.265	4.8
EP400NL	2.741	0.97
EPAS1	5.138	39.07
EPB41	7.515	5.35
EPB41L1	6.496	0.15
EPB41L2	4.291	5.65
EPB41L3	4.446	0.16
EPB41L4A	4.707	5.02
EPB41L4B	7.651	0.45
EPB41L5	6.54	0.03
EPB42	2.696	0.29
EPB49	2.725	1.88
EPC1	4.167	20.98
EPC2	3.633	3.79
EPDR1	5.198	0.08
EPF5	0.421	0
EPGN	0.847	0
EPHA1	6.726	0.02
EPHA10	4.278	0
EPHA2	3.946	0.03
EPHA3	6.924	0
EPHA4	6.348	1.22
EPHA5	3.349	0
EPHA6	3.949	0
EPHA7	5.215	0
EPHA8	5.747	0
EPHB1	4.516	0
EPHB2	6.573	0
EPHB3	4.22	0.84
EPHB4	8.987	4.86
EPHB6	8.086	0.66
EPHX1	2.315	10.51
EPHX2	2.196	0
EPM2A	4.092	0.94
EPM2AIP1	5.567	8.64
EPN1	2.375	32.99
EPN2	4.814	0.04
EPN3	2.93	0.1

EPO	2.66	0.15
EPOR	1.848	0.11
EPPB9	0.915	0.32
EPPK1	7.216	0.04
EPR1	1.286	2.08
EPRS	5.015	7.02
EPS15	5.567	13.19
EPS15L1	2.774	5.28
EPS8	3.906	4.38
EPS8L1	3.411	0.14
EPS8L2	3.141	0.06
EPS8L3	2.49	0
EPST11	2.09	2.08
EPX	2.267	0.87
EPYC	1.535	0
ERAF	0.506	1.37
ERAL1	1.825	8.46
ERAS	1.266	0
ERBB2	5.279	4.74
ERBB2IP	6.916	11.12
ERBB3	6.134	0.1
ERBB4	5.485	0
ERC1	10.659	1.19
ERC2	6.138	0
ERCC1	1.583	15.44
ERCC2	2.355	3.74
ERCC3	2.75	13.39
ERCC4	2.751	1.11
ERCC5	4.096	12.97
ERCC6	4.713	1.16
ERCC8	2.843	1.32
EREG	4.628	0.41
ERF	2.665	32.22
ERG	11.837	31.79
ERGIC1	6.673	17.08
ERGIC2	1.777	2.51
ERGIC3	1.856	81.56
ERH	1.786	20.39
ERICH1	2.435	15.12
ERLIN1	3.104	8.76
ERLIN2	6.073	3.34
ERMAP	3.616	1.62
ERN1	4.887	1.98
ERN2	3.549	0
ERO1L	3.31	2.09
ERO1LB	3.689	12.44
ERP28P	0.788	6.15
ERP29	2.805	85.14
ERRF11	3.077	0.06
ERV3	3.558	7.2

ERVWE1	6.088	0.02
ESAM	1.811	0.21
ESCO1	4.435	2.07
ESCO2	3.359	0.27
ESD	1.192	30.46
ESF1	3.216	1.97
ESM1	1.637	0.06
ESPL1	6.532	0.53
ESPN	3.516	0
ESPNL	4.607	0.02
ESR1	6.455	0.03
ESR2	3.404	0.18
ESRRA	2.221	3.25
ESRRB	2.193	0.04
ESRRG	5.99	0
ESSPL	1.011	0
ESTRRA	2.876	0.07
ESX1	1.469	0
ETAA1	3.283	4.25
ETF1	4.027	25.53
ETF1P1	6.495	0.08
ETF1P2	5.068	0.8
ETFA	1.402	7.69
ETFB	1.609	22.57
ETFDH	2.109	3.56
ETHE1	0.963	13.77
ETNK1	7.306	1.99
ETNK2	2.43	0.33
ETS1	5.194	17.6
ETS2	7.575	157.35
ETV1	12.313	0
ETV2	1.559	0.19
ETV3	1.411	6.24
ETV4	2.852	3.08
ETV5	4.074	8.82
ETV6	8.411	16.42
ETV7	1.626	0.49
EVA1	2.955	0.07
EVC	6.43	0.36
EVC2	4.406	0.5
EVI1	3.572	0.03
EVI2A	2.434	10.65
EVI2B	1.954	47.39
EVI5	7.403	0.44
EVI5L	3.731	1.88
EVL	1.842	30.08
EVPL	6.457	0.08
EVX1	3.716	0
EVX2	1.617	0.06
EWSR1	6.466	77.46

EXDL1	2.939	0
EXDL2	2.831	1.19
EXO1	3.507	0.56
EXOC1	3.73	4.88
EXOC2	4.442	1.45
EXOC3	2.764	10.35
EXOC3L	6.034	3.84
EXOC3L2	1.719	0.23
EXOC4	8.703	4.68
EXOC5	8.511	1.01
EXOC6	3.715	0.93
EXOC6B	6.018	0.44
EXOC7	4.78	8.59
EXOC8	5.099	5.55
EXOD1	1.479	0
EXOSC1	1.15	6.88
EXOSC10	2.808	18.32
EXOSC2	1.979	4.05
EXOSC3	1.816	2.29
EXOSC4	0.895	4.53
EXOSC5	1.7	10.94
EXOSC6	1.7	13.5
EXOSC7	1.013	4.88
EXOSC8	0.959	4.03
EXOSC9	1.644	8.85
EXPH5	6.655	0.03
EXT1	3.363	0.18
EXT2	3.787	4.96
EXTL1	3.992	0
EXTL2	2.958	0.4
EXTL3	6.172	0.72
EYA1	4.793	0
EYA2	3.411	0.03
EYA3	2.045	2.18
EYA4	3.401	0
EZH1	4.623	10.93
EZH2	5.91	5.14
F10	1.536	0
F11	2.217	0
F11R	4.762	17.39
F12	2.049	0.04
F13A1	3.834	20.74
F13B	2.186	0
F2	1.997	0
F25965	0.9	0.88
F2R	3.595	7.43
F2RL1	2.862	0.14
F2RL2	3.41	0.49
F2RL3	2.731	0.98
F3	3.26	15.85

F5	6.914	0.07
F7	2.7	1.14
F8	11.005	0.04
F8A1	1.702	1.1
F8A2	1.116	0
F8A3	1.116	0
F9	2.802	0
FA2H	2.419	0
FAAH	2.043	1.31
FAAH2	1.98	0.25
FABP1	0.489	0
FABP2	2.251	0.04
FABP3	1.097	0
FABP3P2	0.444	0
FABP4	0.62	0
FABP5	0.66	1.2
FABP5L3	14.901	4.74
FABP5P1	0.664	0
FABP6	0.858	0
FABP7	1	0
FADD	1.841	5.22
FADS1	4.195	1.11
FADS2	3.149	4.84
FADS3	1.779	31.81
FADS6	2.052	0
FAF1	2.608	10.32
FAH	1.447	0.82
FAHD1	3.35	1.27
FAHD2A	1.298	5.56
FAHD2B	1.265	0.62
FAIM	1.794	1.22
FAIM2	4.703	0
FAIM3	1.95	9.69
FAM100A	2.69	16.44
FAM100B	3.603	107.72
FAM101A	2.148	0
FAM101B	0.871	7.39
FAM102A	4.183	2.27
FAM102B	5.212	1.64
FAM103A1	1.146	4.23
FAM103A2P	1.4	13.78
FAM104A	2.697	10.05
FAM104B	1.048	0.95
FAM105A	1.925	0.26
FAM105B	3.999	9.35
FAM106A	2.281	0
FAM107A	3.464	0.6
FAM107B	5.182	39.08
FAM108A1	2.025	4.49
FAM108A2	1.512	0.33

FAM109A	3.041	3.68
FAM109B	2.332	3.95
FAM10A3	2.597	0.15
FAM10A4	1.599	0.19
FAM10A5	1.632	0.67
FAM10A6	1.662	0.48
FAM10A7	5.195	0.02
FAM110C	1.521	0.06
FAM111A	3.632	11.69
FAM111B	3.488	2.01
FAM112A	1.214	0
FAM112B	0.769	7.33
FAM113A	1.999	29.1
FAM113B	2.075	0.81
FAM114A1	2.118	0.23
FAM116A	4.643	9.44
FAM116B	1.763	6.51
FAM117A	2.361	7.96
FAM118A	1.69	1.64
FAM118B	1.645	0.84
FAM119A	1.773	1.9
FAM119B	5.127	0.85
FAM120A	4.957	8.22
FAM120AOS	3.037	5.86
FAM120B	4.163	6.49
FAM120C	4.232	0.75
FAM122A	3.646	5.75
FAM122B	3.747	6.55
FAM122C	1.339	1.4
FAM123A	4.857	0
FAM123B	3.687	0.92
FAM124A	2.104	0
FAM124B	2.594	0.68
FAM125A	1.193	8.21
FAM125B	6.877	0.95
FAM126A	7.498	0.23
FAM126B	3.987	1.86
FAM127A	1.18	3.52
FAM127B	0.345	8.89
FAM127C	2.017	0.15
FAM128B	0.731	158.49
FAM129A	6.926	3.35
FAM129B	4.017	2.52
FAM129C	2.749	20.55
FAM12A	0.879	0
FAM12B	0.896	0
FAM130A1	4.469	1.93
FAM130A2	2.938	0
FAM13A1	6.134	3.31
FAM13A1OS	3.21	2.87

FAM13C1	4.799	0
FAM14A	0.467	5.93
FAM14B	0.882	4.04
FAM18B	1.779	2.28
FAM18B2	1.513	0.85
FAM19A1	1.915	0.93
FAM19A2	4.056	0.04
FAM19A3	1.866	0
FAM19A4	2.481	0
FAM19A5	1.849	0
FAM20A	2.267	0.09
FAM20B	5.942	2.57
FAM20C	3.557	0.25
FAM21B	4.326	1.44
FAM21C	4.62	2.48
FAM22A	4.871	0.06
FAM22F	2.756	0.07
FAM22G	3.614	0.3
FAM24A	0.596	0
FAM24B	0.693	0.71
FAM26A	1.636	0
FAM26B	1.859	3.83
FAM26C	3.053	0
FAM27E1	1.341	0
FAM27E2	1.338	0
FAM27L	0.609	0
FAM29A	6.321	2.04
FAM32A	1.449	32.91
FAM33A	2.693	1.73
FAM35A	3.402	1.31
FAM36A	3.318	10.02
FAM38A	6.371	24.49
FAM38B	2.325	0
FAM39B	1.712	2.84
FAM39CP	5.493	0.52
FAM39DP	2.544	2.69
FAM3A	1.606	10.17
FAM3B	1.384	0
FAM3C	6.602	13.76
FAM3D	1.308	0
FAM40A	3.262	5.91
FAM40B	10.171	0.52
FAM43A	3.145	18.84
FAM43B	2.569	0
FAM44A	10.542	7.37
FAM44B	1.532	5.23
FAM44C	3.359	0.03
FAM45A	2.182	1.59
FAM45B	1.818	0.92
FAM46A	1.681	0.12

FAM46B	2.368	0.08
FAM46C	5.695	1.04
FAM46D	3.011	0
FAM47A	2.519	0
FAM47B	2.104	0
FAM47C	3.27	0
FAM48A	3.356	2.86
FAM48B1	2.661	0
FAM49A	4.208	29.79
FAM49B	2.196	11.18
FAM50A	1.311	9.73
FAM50B	1.618	1.4
FAM53A	1.896	0.2
FAM53B	5.907	138.38
FAM53C	4.13	39.72
FAM54A	1.505	0.39
FAM54B	2.099	5
FAM55A	1.888	0
FAM55B	2.218	0
FAM55C	3.934	1
FAM55D	1.687	0
FAM57A	2.08	0
FAM57B	1.637	0.12
FAM58A	1.237	9.92
FAM58B	0.645	0.31
FAM59A	3.055	0
FAM59B	4.503	0.11
FAM5B	3.558	0
FAM5C	2.884	0
FAM60A	3.068	9.58
FAM62A	4.174	11.33
FAM62B	14.159	15.45
FAM62C	4.051	0
FAM63A	5.486	0.83
FAM63B	5.139	1.06
FAM64A	1.483	0.13
FAM65A	4.07	30.97
FAM66C	0.914	0
FAM69A	0.64	5.72
FAM69B	5.087	29.35
FAM70A	3.394	0.06
FAM70B	1.031	0
FAM71A	2.302	0
FAM71B	2.032	0
FAM71C	1.799	0
FAM72A	2.393	0
FAM73A	5.274	1.3
FAM73B	3.587	5.6
FAM74A1	1.652	0
FAM74A4	1.722	0

FAM76A	2.049	3.52
FAM76B	3.825	8.23
FAM77C	2.493	0
FAM77D	1.988	0
FAM78A	3.936	1.16
FAM78B	1.598	0
FAM79A	2.428	3.71
FAM79B	3.656	0
FAM7A2	1.017	0.78
FAM7A3	0.587	0.17
FAM80A	1.51	0
FAM80B	3.66	23.76
FAM81A	2.906	0
FAM81B	1.56	0
FAM82A	1.985	0
FAM82B	1.216	4.56
FAM82C	2.251	7.82
FAM83A	3.856	0
FAM83B	3.167	0
FAM83C	3.166	0
FAM83D	2.425	1.06
FAM83E	1.926	0
FAM83F	1.925	0
FAM83G	4.582	0.04
FAM83H	5.597	0.02
FAM84A	2.586	0.08
FAM84B	5.232	0.32
FAM86A	1.432	0
FAM86B1	2.041	0
FAM86C	3.688	0.03
FAM86D	2.854	0.11
FAM89A	1.27	0
FAM89B	1.412	4.83
FAM8A1	4.677	10.68
FAM8A6P	4.613	0.04
FAM8A7P	1.342	0
FAM8A8P	1.677	0
FAM8A9P	1.949	0
FAM90A1	2.342	0
FAM90A10	1.954	0
FAM90A11P	1.952	0
FAM90A12	1.954	0
FAM90A2P	1.954	0
FAM90A3	1.954	0
FAM90A5	1.954	0
FAM90A6P	5.518	0
FAM90A7	1.954	0
FAM90A8	1.954	0
FAM90A9	1.954	0
FAM91A1	5.617	13.23

FAM91A2	0.779	0.12
FAM92A1	1.646	0
FAM92A3	1.228	0
FAM92B	1.897	0.05
FAM96A	1.605	4.99
FAM96B	1.063	12.57
FAM98A	2.745	2.77
FAM98B	3.416	3.99
FAM98C	1.204	2.88
FAM99A	1.989	0
FAM9A	1.519	0
FAM9B	1.34	0
FAM9C	3.239	0.03
FANCA	6.181	2.29
FANCB	3.008	0.06
FANCC	4.592	0.77
FANCD2	6.043	1.52
FANCE	2.555	0.46
FANCF	3.309	0.9
FANCG	2.631	3.35
FANCL	1.716	1.85
FANCM	7.125	0.44
FANK1	1.296	0
FAP	2.78	0
FAR1	0.21	18.84
FAR10	0.191	29.53
FAR11	0.833	21.26
FAR13	0.171	59.59
FAR14	0.183	25.41
FAR16	0.13	30.44
FAR17	0.631	36.85
FAR18	0.586	40.01
FAR19	0.523	18.16
FAR2	1.23	15.45
FAR20	0.256	60.68
FAR3	0.217	17.32
FAR4	3.635	45.54
FAR5	1.794	20.18
FAR6	0.285	10.76
FAR7	0.311	11.46
FAR8	0.647	15.45
FAR9	14.849	68.7
FARP1	5.74	4.52
FARP2	3.997	1.83
FARS2	1.698	3.96
FARSA	1.808	3.12
FARSB	3.118	3.43
FAS	6.169	0.18
FASLG	1.86	0
FASN	8.458	10.24

FASTK	3.704	3.21
FASTKD1	2.898	1.88
FASTKD2	2.894	2.5
FASTKD3	2.402	0.95
FASTKD5	2.863	10.47
FAT	14.764	0.01
FAT1P1	0.506	0
FAT2	14.535	0
FAT3	19.163	0
FAT4	9.669	0
FATE1	1.071	0
FAU	0.56	699.45
FAUP1	0.414	688.97
FBF1	5.149	0.58
FBL	1.079	149.83
FBLIM1	4.139	0
FBLN1	4.857	0
FBLN2	4.325	0
FBLN5	2.622	0
FBN1	11.626	0.04
FBN2	10.724	0
FBN3	8.967	0
FBP1	1.476	0.27
FBP2	1.305	0
FBS1	2.794	25.85
FBXL10	6.912	18.76
FBXL11	6.499	37.13
FBXL12	1.852	14.21
FBXL13	6.16	1.64
FBXL14	2.111	1.69
FBXL15	2.344	2.87
FBXL16	3.416	0.58
FBXL17	3.673	1.43
FBXL18	5.05	1.26
FBXL19	3.312	5.35
FBXL2	2.368	0
FBXL20	3.76	9.73
FBXL21	1.333	0
FBXL22	1.482	0
FBXL3	3.468	17.57
FBXL4	2.777	3.42
FBXL5	3.758	11.5
FBXL6	1.791	4.09
FBXL7	4.562	0.04
FBXL8	1.599	4.45
FBXO10	4.564	0.3
FBXO11	5.44	22.95
FBXO15	1.682	0.06
FBXO16	1.292	0
FBXO17	2.696	0

FBXO18	3.798	8.54
FBXO2	1.536	0.06
FBXO21	4.424	4.65
FBXO22	3.907	0.74
FBXO24	5.056	0.65
FBXO25	2.687	1.73
FBXO27	2.324	0
FBXO28	2.924	4.2
FBXO3	2.986	10.87
FBXO30	4.408	2.9
FBXO31	4.997	20.85
FBXO32	1.855	4.59
FBXO33	3.683	8.57
FBXO34	3.537	14.18
FBXO36	0.909	0.11
FBXO38	4.886	6.62
FBXO39	1.647	0.06
FBXO4	2.462	0.88
FBXO40	3.411	0
FBXO41	7.121	1.58
FBXO42	2.976	10.04
FBXO43	2.892	0.04
FBXO44	5.823	3.37
FBXO45	0.561	1.94
FBXO46	3.003	2.93
FBXO47	2.269	0
FBXO5	2.064	1.82
FBXO6	1.52	0.78
FBXO7	2.737	49.6
FBXO8	2.564	5.13
FBXO9	5.762	2.69
FBXW10	3.456	0
FBXW11	4.638	13.57
FBXW11P1	1.134	2.62
FBXW12	1.647	0
FBXW2	1.875	23.91
FBXW4	3.174	18.45
FBXW5	2.345	10.46
FBXW7	5.823	62.85
FBXW8	4.975	2.09
FBXW9	1.713	1.21
FCAMR	2.133	0
FCAR	4.396	1.26
FCER1A	1.165	0.09
FCER1G	0.591	10.55
FCER2	1.561	1.27
FCF1	2.409	6.24
FCGBP	16.382	0.05
FCGR1A	2.138	0.05
FCGR2A	2.411	7.51

FCGR2B	1.888	1.2
FCGR2C	1.56	7.36
FCGR3A	2.31	1.12
FCGR3B	1.971	0.8
FCGRT	2.148	81.71
FCHO1	3.154	1.48
FCHO2	4.89	2.81
FCHSD1	4.32	1
FCHSD2	4.339	4.38
FCMD	7.35	0.89
FCN1	1.285	13.62
FCN2	1.057	0.09
FCN3	1.032	0.1
FCRL1	2.592	1.22
FCRL2	3.268	0.36
FCRL3	3.422	0.09
FCRL4	3.459	0
FCRL5	5.39	0
FCRL6	1.306	0.08
FCRLA	2.345	0.04
FCRLB	1.768	0
FDFT1	2.985	29.4
FDPS	1.684	15.22
FDPSL1	1.155	0.77
FDPSP	0.561	0
FDX1	3.219	2.58
FDXP1	0.676	3.52
FDXP2	0.975	0
FDXR	2.259	1.05
FECH	3.962	1.24
FECHP	2.414	0.04
FEM1A	3.799	7.89
FEM1B	2.559	13.92
FEM1C	6.444	12.43
FEN1	2.249	5.9
FER	3.191	2.17
FER1L3	6.808	0.12
FER1L4	45.093	0.04
FERD3L	1.28	0
FERP	0.793	10.48
FES	2.762	5.88
FETUB	1.627	0
FEV	1.879	0
FEZ1	3.252	0
FEZ2	1.917	2.84
FEZF1	3.048	0
FEZF2	1.905	0
FFAR1	1.89	10.36
FFAR2	0.993	0.2
FFAR3	1.66	0.06

FGA	5.297	0
FGB	1.937	0
FGD1	4.275	3.36
FGD2	3.044	3.38
FGD3	0.1	632.21
FGD4	2.931	1.32
FGD5	5.383	0.35
FGD6	4.996	2.02
FGF1	4.281	0
FGF10	0.627	0
FGF11	2.715	0.18
FGF12	3.054	0
FGF13	2.788	0
FGF14	1.194	0
FGF16	0.35	0.57
FGF17	1.223	0
FGF18	1.528	0
FGF19	2.137	0
FGF2	6.774	0.04
FGF20	1.016	0
FGF21	0.885	0
FGF22	0.513	0
FGF23	3.018	0.13
FGF3	1.548	0
FGF4	1.22	0
FGF5	10.082	0
FGF6	0.744	1.6
FGF7	3.852	0
FGF8	1.252	0
FGF9	1.417	0
FGFBP1	1.182	0
FGFBP2	1.137	2.61
FGFBP3	2.545	0.82
FGFR1	9.532	22.02
FGFR1OP	1.885	4.83
FGFR1OP2	2.3	7.18
FGFR2	6.089	0
FGFR3	4.069	0.03
FGFR4	3.404	0.2
FGFRL1	3.253	0.34
FGG	2.152	0
FGL1	1.556	0
FGL2	2.938	0.64
FGR	2.352	3.7
FH	1.79	6.91
FHAD1	5.217	0.05
FHIT	1.081	13.36
FHL1	3.816	98.36
FHL2	2.52	0
FHL3	1.704	12.83

FHL5	2.124	0
FHOD1	3.758	6.66
FHOD3	4.942	0.08
FIBCD1	3.179	0
FIBP	1.584	11.74
FIGF	2.111	0
FIGLA	0.722	0
FIGN	4.535	0.09
FIGNL1	6.97	0.72
FILIP1	4.622	0
FILIP1L	6.987	0.27
FIP1L1	2.154	16.4
FIS1	1.468	16.51
FIZ1	2.651	1.75
FJX1	2.359	0.04
FKBP10	2.644	0.04
FKBP11	0.702	7.33
FKBP14	4.494	0.47
FKBP15	4.588	6.11
FKBP1A	2.43	22.4
FKBP1B	1.571	0
FKBP1C	16.372	0.28
FKBP2	0.908	2.18
FKBP3	1.378	7.82
FKBP4	2.233	1.42
FKBP5	5.38	115.29
FKBP6	2.986	1.42
FKBP7	1.355	0.07
FKBP8	2.135	77.3
FKBP9	6.852	0.75
FKBP9L	4.902	0.16
FKBPL	2.688	2.5
FKHL18	1.318	0.07
FKRP	3.702	3.45
FKSG2	0.521	1.9
FKSG24	1.275	0.93
FKSG30	1.401	0.14
FKSG43	1.8	2.31
FKSG44	3.67	27.34
FKSG74	1.378	0
FKSG83	1.165	0
FLAD1	2.474	4.92
FLCN	4.139	2.01
FLG	12.747	0.01
FLI1	4.325	15.33
FLII	4.163	16.97
FLJ00038	0.795	2.49
FLJ10081	5.249	9.71
FLJ10120	11.659	0.39
FLJ10154	4.009	81.15

FLJ10159	4.238	0.04
FLJ10213	1.679	4.3
FLJ10241	1.692	9
FLJ10292	2.579	1.57
FLJ10324	7.693	3.3
FLJ10357	5.458	0.76
FLJ10404	4.6	26.63
FLJ10490	0.743	0.4
FLJ10661	2.572	0.16
FLJ10769	2.659	17
FLJ10781	3.653	0
FLJ10815	3.36	7.27
FLJ10847	3.279	0
FLJ10916	2.049	0.04
FLJ10986	1.896	1.78
FLJ11151	2.845	0.91
FLJ11171	3.956	1.48
FLJ11184	1.748	1.87
FLJ11235	2.022	0
FLJ11286	1.911	7.2
FLJ11506	2.756	6.93
FLJ11783	1.493	1.46
FLJ12331	2.057	0
FLJ12529	3.497	25.01
FLJ12595	1.904	0.99
FLJ12684	2.744	0
FLJ12716	5.568	2.63
FLJ12886	1.587	2.37
FLJ12949	3.235	10.21
FLJ12993	1.888	0.68
FLJ13195	4.216	1.55
FLJ13197	2.368	8.27
FLJ13224	1.63	0.12
FLJ13231	8.441	0.85
FLJ13236	1.839	0
FLJ13305	1.929	0.11
FLJ13611	2.724	4.51
FLJ14082	3.56	0.03
FLJ14107	1.792	0
FLJ14154	2.553	10
FLJ14186	3.845	1.41
FLJ14213	4.996	5.79
FLJ14397	2.835	0.35
FLJ14668	1.787	4.98
FLJ14712	6.328	0
FLJ14803	6.712	0.78
FLJ14816	1.787	0
FLJ14959	2.578	3.1
FLJ16008	4.685	0
FLJ16124	1.823	0

FLJ16126	1.983	0.05
FLJ16165	2.311	0
FLJ16171	2.143	0.05
FLJ16237	4.95	0
FLJ16287	3.185	1.46
FLJ16331	1.78	0
FLJ16369	1.164	0
FLJ16423	0.405	0
FLJ16478	1.976	0.15
FLJ16641	2.881	0
FLJ16686	2.346	0
FLJ16734	4.436	0
FLJ16793	2.355	0.12
FLJ20021	1.138	3.22
FLJ20035	6.015	0.29
FLJ20054	2.012	1.18
FLJ20105	8.175	0.04
FLJ20152	4.085	5.01
FLJ20160	4.293	6.66
FLJ20184	1.437	0
FLJ20186	4.38	8.15
FLJ20254	2.7	2.05
FLJ20273	4.009	3.53
FLJ20294	5.381	29.66
FLJ20309	4.485	6.88
FLJ20323	6.114	2.57
FLJ20366	3.43	0.12
FLJ20433	2.772	1.75
FLJ20444	3.768	0.03
FLJ20464	0.7	0.57
FLJ20489	1.927	10.42
FLJ20581	2.428	0
FLJ20628	2.084	4.65
FLJ20674	4.486	16.04
FLJ20699	2.566	2.08
FLJ20850	2.275	7.65
FLJ20920	2.157	5.55
FLJ21062	6.076	0.02
FLJ21075	1.294	0
FLJ21438	3.379	12.74
FLJ21511	2.471	0
FLJ21687	2.991	0.17
FLJ21767	3.804	1.27
FLJ21839	4.635	16.43
FLJ21865	3.95	12.3
FLJ21908	2.258	2.32
FLJ21963	3.033	0
FLJ21986	10.55	0.13
FLJ22028	3.169	1.9
FLJ22184	3.773	0

FLJ22222	1.85	3.8
FLJ22374	5.466	0.29
FLJ22447	1.312	2.27
FLJ22531	2.135	2.6
FLJ22639	1.301	4.26
FLJ22655	1.134	0
FLJ22659	0.535	0
FLJ22662	1.934	1.48
FLJ22671	1.958	0
FLJ22675	1.191	0
FLJ22763	0.738	0
FLJ22795	2.546	0
FLJ23049	3.232	0
FLJ23152	2.085	0
FLJ23356	1.611	1.54
FLJ23577	7.154	0.23
FLJ23588	4.867	0
FLJ23834	7.626	0.2
FLJ23861	5.41	1.21
FLJ25006	1.433	2.28
FLJ25037	5.092	0
FLJ25076	4.419	0.02
FLJ25328	1.687	0
FLJ25371	1.398	5.8
FLJ25416	3.533	0.03
FLJ25439	1.225	0
FLJ25476	3.106	16.25
FLJ25680	1.295	0
FLJ25715	1.111	0
FLJ25758	1.424	0
FLJ25770	1.917	0
FLJ25778	17.344	0.47
FLJ25791	1.559	0.32
FLJ25801	1.3	0
FLJ25967	2.482	1.75
FLJ25996	1.828	0
FLJ26056	1.87	0
FLJ26245	0.356	0
FLJ26443	2.241	0.04
FLJ26850	1.525	0
FLJ27255	2.002	0
FLJ27365	2.27	0.39
FLJ27505	0.459	0
FLJ27523	1.296	0
FLJ30064	4.162	0.38
FLJ30092	11.209	6.91
FLJ30277	2.179	0
FLJ30313	2.585	0
FLJ30375	2.456	0
FLJ30403	2.663	0.15

FLJ30428	2.281	0
FLJ30430	0.458	0
FLJ30851	2.2	0
FLJ30934	1.705	1.22
FLJ31033	7.127	1.33
FLJ31222	1.954	0.1
FLJ31438	2.248	0.75
FLJ31485	0.63	0
FLJ31568	2.138	0.04
FLJ31659	2.174	0
FLJ31818	5.858	1.27
FLJ31951	3.914	14.61
FLJ32011	2.32	0
FLJ32063	3.197	0
FLJ32065	0.937	0.84
FLJ32214	2.214	0
FLJ32252	2.864	0
FLJ32312	2.097	1.41
FLJ32447	1.699	0
FLJ32549	2.576	0.27
FLJ32569	2.149	0.32
FLJ32658	2.052	0
FLJ32679	2.802	0
FLJ32682	2.421	0
FLJ32745	2.196	0.22
FLJ32756	1.972	0.1
FLJ32784	3.725	0
FLJ32810	4.82	0
FLJ32894	1.71	0
FLJ32955	1.832	0
FLJ33360	2.419	0.04
FLJ33534	2.068	0
FLJ33544	2.148	0
FLJ33590	2.163	6.08
FLJ33790	1.497	0.27
FLJ34047	1.161	0
FLJ34048	1.304	0
FLJ34503	2.255	0
FLJ34521	2.12	0.1
FLJ34651	1.99	0.3
FLJ34931	7.044	0.03
FLJ35220	2.815	0.52
FLJ35348	5.179	1.41
FLJ35379	1.168	0
FLJ35409	2.102	0
FLJ35424	2.367	0
FLJ35530	2.577	0.08
FLJ35695	2.043	0
FLJ35767	1.907	0
FLJ35773	2.107	0

FLJ35776	1.966	0.4
FLJ35785	5.596	0
FLJ35816	2.165	0
FLJ35848	4.069	0
FLJ35880	2.689	0
FLJ35934	1.871	2.64
FLJ35946	0.687	0.14
FLJ36031	4.886	2.03
FLJ36032	0.656	0
FLJ36070	1.825	0.27
FLJ36116	0.207	0
FLJ36144	2.09	0
FLJ36157	5.334	0
FLJ36166	7.324	0.04
FLJ36208	2.044	0.87
FLJ36492	8.687	0.07
FLJ36644	2.825	0
FLJ36840	2.518	0
FLJ36848	3.004	0.2
FLJ36874	3.636	6.83
FLJ37034	2.983	0.17
FLJ37060	2.001	0.05
FLJ37078	4.488	0.02
FLJ37228	0.396	0
FLJ37357	2.435	0
FLJ37396	2.259	0.09
FLJ37440	2.299	0.17
FLJ37464	2.061	1.24
FLJ37512	0.876	0
FLJ37538	7.162	0.43
FLJ37543	2.97	0
FLJ37644	0.34	0
FLJ37673	1.24	6.62
FLJ37786	2.197	0
FLJ37953	5.134	3.41
FLJ38020	2.289	1.08
FLJ38028	0.829	0
FLJ38377	3.168	0.04
FLJ38379	4.035	7.84
FLJ38482	2.225	0.53
FLJ38576	2.721	0
FLJ38596	2.125	0
FLJ38668	2.527	0.08
FLJ38717	2.617	2.65
FLJ38723	2.919	0.03
FLJ38894	1.789	0
FLJ38973	3.678	0.94
FLJ38984	2.934	0.44
FLJ39061	2.441	0
FLJ39080	2.125	0

FLJ39198	3.89	0
FLJ39237	5.862	0.04
FLJ39378	2.1	4.14
FLJ39501	2.607	0
FLJ39502	3.786	0.97
FLJ39531	3.046	0
FLJ39575	3.39	0.18
FLJ39632	4.779	2.84
FLJ39639	2.486	1.87
FLJ39653	2.207	66.88
FLJ39660	3.685	0.19
FLJ39739	2.212	0.18
FLJ39743	3.298	0
FLJ39779	1.727	4.92
FLJ39822	1.621	0
FLJ40113	1.923	1.86
FLJ40125	1.718	0.28
FLJ40142	1.946	3.2
FLJ40172	2.048	0.05
FLJ40176	7.453	0
FLJ40194	2.317	0
FLJ40235	1.706	0
FLJ40243	5.239	0
FLJ40244	0.77	0
FLJ40288	3.996	0
FLJ40292	1.749	0.4
FLJ40296	1.847	0
FLJ40298	1.713	0
FLJ40330	2.295	0.13
FLJ40411	3.761	0.16
FLJ40434	1	0
FLJ40448	2.137	0.04
FLJ40453	1.726	0
FLJ40504	1.95	0
FLJ40606	2.48	0.68
FLJ40722	5.91	0.59
FLJ40852	4.524	0.28
FLJ40869	3.024	4.26
FLJ40941	0.973	0
FLJ41046	2.695	0
FLJ41047	1.986	0.05
FLJ41170	1.725	0
FLJ41200	2.317	0
FLJ41278	0.629	0
FLJ41309	2.511	0.04
FLJ41352	4.562	27.33
FLJ41423	2.597	0
FLJ41481	1.949	0.1
FLJ41484	3.249	5.42
FLJ41603	4.865	0.02

FLJ41649	3.122	0.19
FLJ41733	2.816	0
FLJ41766	3.332	0
FLJ41821	2.209	0
FLJ41841	3.232	0
FLJ41856	3.016	0
FLJ41993	3.635	0.03
FLJ42022	2.222	0.09
FLJ42102	2.162	0
FLJ42117	2.551	0
FLJ42133	2.112	0
FLJ42177	2.499	0
FLJ42220	0.582	0
FLJ42258	2.299	0.04
FLJ42280	5.414	0
FLJ42289	1.56	0
FLJ42291	5.248	0
FLJ42393	2.355	0.08
FLJ42418	2.13	0
FLJ42562	3.023	0.06
FLJ42627	3.535	0.67
FLJ42842	2.645	0
FLJ42953	1.832	0
FLJ42957	1.597	2.36
FLJ42986	1.312	0.68
FLJ43080	4.217	0
FLJ43093	1.787	0
FLJ43276	2.15	2.25
FLJ43339	7.848	74.59
FLJ43390	2.927	0
FLJ43505	1.994	0
FLJ43582	2.25	0
FLJ43681	2.381	0
FLJ43692	3.836	0.29
FLJ43752	2.107	0
FLJ43763	2.007	0
FLJ43806	4.13	0
FLJ43826	3.229	0
FLJ43859	4.871	0
FLJ43860	4.164	0.03
FLJ43879	3.489	0
FLJ43950	4.762	0
FLJ43980	3.706	0
FLJ43987	3.045	0
FLJ44005	3.531	1.77
FLJ44006	3.026	0
FLJ44048	4.293	0
FLJ44054	2.928	0
FLJ44060	6.146	0
FLJ44076	3.36	0.06

FLJ44124	6.024	0.32
FLJ44290	2.157	2.75
FLJ44313	2.077	0
FLJ44379	1.684	0
FLJ44385	3.894	0
FLJ44450	1.599	0
FLJ44451	0.512	2.13
FLJ44477	2.433	0.08
FLJ44606	0.708	0
FLJ44635	2.268	31.1
FLJ44653	2.385	0
FLJ44691	3.78	0
FLJ44790	3.21	0
FLJ44796	3.756	0.52
FLJ44815	3.997	0
FLJ44817	1.949	0
FLJ44838	4.199	0
FLJ44861	1.577	0
FLJ44881	2.337	0
FLJ44894	3.33	0.15
FLJ44955	2.704	0.04
FLJ44968	0.982	2.52
FLJ45032	3.962	1.3
FLJ45079	4.678	0
FLJ45121	4.521	1.42
FLJ45139	3.823	0
FLJ45187	6.328	0.06
FLJ45224	3.706	0
FLJ45244	2.331	0.26
FLJ45248	2.77	0.32
FLJ45256	2.907	0
FLJ45337	4.063	0
FLJ45340	7.078	1.38
FLJ45422	13.761	0.04
FLJ45445	4.402	0.68
FLJ45455	1.772	0.34
FLJ45508	1.84	0.16
FLJ45513	0.905	1.2
FLJ45530	3.186	0.03
FLJ45537	3.409	0
FLJ45557	4.407	0
FLJ45684	2.896	0.68
FLJ45717	2.258	0
FLJ45721	2.509	0
FLJ45743	2.558	0.04
FLJ45803	5.443	0.45
FLJ45825	3.815	0.19
FLJ45831	3.008	0
FLJ45872	4.146	0
FLJ45909	3.021	1.18

FLJ45910	1.996	0.15
FLJ45964	3.7	0
FLJ45966	3.204	0.28
FLJ45974	6.968	0
FLJ45983	2.214	0
FLJ45994	1.352	0
FLJ46010	2.375	0
FLJ46020	2.261	0
FLJ46026	3.133	0
FLJ46082	1.789	0.05
FLJ46109	8.105	0.01
FLJ46111	1.828	0
FLJ46120	3.051	0
FLJ46121	1.802	0
FLJ46210	2.657	0
FLJ46266	3.099	0
FLJ46284	3.37	0
FLJ46300	3.35	0.03
FLJ46309	3.032	0.16
FLJ46321	4.828	0
FLJ46347	3.129	0
FLJ46358	5.065	0
FLJ46361	21.25	0
FLJ46363	3.957	0
FLJ46365	3.602	0.03
FLJ46481	3.178	0
FLJ46688	3.221	0
FLJ46831	2.764	0.04
FLJ46836	3.258	0
FLJ46838	2.243	0.22
FLJ90086	4.337	0.05
FLJ90650	4.502	0
FLJ90680	2.17	0.05
FLJ90709	2.463	1.64
FLJ90757	2.088	0.57
FLNA	8.368	17.01
FLNB	9.429	11.95
FLNC	18.284	0.02
FLOT1	5.49	0
FLOT2	2.632	15.11
FLRT1	3.247	0.09
FLRT2	7.179	0
FLRT3	4.188	0
FLT1	5.783	5.1
FLT3	3.476	1.42
FLT3LG	1.036	6.4
FLT4	5.964	5.06
FLVCR	1.99	1
FLYWCH1	5.938	8.89
FMN1	3.757	1.08

FMN2	6.633	0.02
FMNL1	4.502	40.74
FMNL2	5.575	0.48
FMNL3	11.183	3.88
FMO1	2.126	0
FMO2	5.181	0
FMO3	2.139	0
FMO4	2.139	0.19
FMO5	2.324	0.68
FMO6P	25.949	0
FMOD	2.986	0.63
FMR1	5.378	12.81
FMR1NB	1.019	0
FN1	9.665	0
FN3K	1.377	0.44
FN3KRP	1.769	10.29
FNBP1	5.863	19.68
FNBP1L	7.595	2
FNBP4	4.609	37.93
FNDC1	6.551	0
FNDC3A	6.001	4.76
FNDC3B	6.865	0.3
FNDC4	1.631	0
FNDC5	2.657	0.67
FNDC7	2.384	0
FNDC8	1.355	0.29
FNIP1	6.567	12.57
FNTA	1.942	19.52
FNTAL1	1.636	1.63
FNTAL2	1.141	0.52
FNTB	2.819	3.4
FOLH1	2.635	0.26
FOLH2	0.155	0
FOLR1	2	0
FOLR1P	1.068	0
FOLR2	1.102	2.52
FOLR3	0.845	0.47
FOS	2.084	37.88
FOSB	3.775	16.38
FOSL1	1.668	0.18
FOSL2	5.685	28.45
FOXA1	3.112	0
FOXA2	2.433	0
FOXA3	1.989	0
FOXB1	1.008	0
FOXB2	1.299	0
FOXC1	1.662	0
FOXC2	1.506	0
FOXD1	2.27	0
FOXD2	4.675	0.17

FOXD3	1.437	0
FOXD4	2.186	0
FOXD4L1	2.25	0
FOXD4L2	2.218	0
FOXD4L4	3.109	0
FOXD4L6	2.218	0
FOXE1	3.461	0
FOXE3	1.981	0
FOXF1	2.514	0.04
FOXF2	2.187	0.04
FOXG1B	2.585	0
FOXH1	1.8	0
FOXI1	2.572	0
FOXJ1	2.376	0.08
FOXJ2	5.482	8.58
FOXJ3	5.906	45.03
FOXK1	22.382	4.87
FOXK2	6.183	21.59
FOXL1	1.038	0
FOXL2	2.736	0
FOXM1	3.626	4.06
FOXN1	2.697	0
FOXN2	5.388	1.96
FOXN4	2.958	0
FOXO1A	6.561	74.69
FOXO1B	2.102	0.04
FOXO3A	4.23	19.72
FOXO3B	0.618	0.96
FOXP1	7.604	32.49
FOXP2	5.852	0.05
FOXP3	1.869	0.43
FOXP4	6.413	1.93
FOXQ1	2.309	0
FOXR1	1.153	0
FOXR2	1.926	0
FOXRED1	1.951	4.16
FOXRED2	3.932	0.68
FPGS	4.716	75.19
FPGT	3.426	0.23
FPR1	1.317	12.32
FPRL1	2.042	0.77
FPRL2	2.517	0
FRAG1	1.952	6.19
FRAP1	8.679	3.99
FRAS1	15.209	0.03
FRAT1	2.651	2.43
FRAT2	2.205	6.42
FRDAP	0.685	0
FREM1	6.17	0.04
FREM2	9.51	0

FREM3	7.179	0
FREQ	4.314	0
FRG1	1.043	19.16
FRG2	2.084	0.19
FRK	2.849	0
FRMD1	3.005	0
FRMD3	2.534	0.04
FRMD4A	6.815	0.18
FRMD4B	6.862	9.5
FRMD5	2.243	0.09
FRMD6	4.504	0
FRMD7	3.2	0
FRMPD1	4.916	0
FRMPD2	6.45	0
FRMPD3	7.309	0.03
FRMPD4	6.352	0
FRRS1	2.678	0.04
FRS2	1.782	7.83
FRS3	2.166	1.19
FRY	10.71	0.04
FRYL	2.365	0.34
FRZB	2.035	0
FSCN1	5.554	7.78
FSCN2	1.527	0.13
FSCN3	3.766	0
FSD1	1.742	0
FSD1L	4.532	0.42
FSD2	2.679	0
FSHB	1.969	0
FSHR	2.382	0
FSIP1	2.809	0
FSIP2	2.726	0
FST	1.529	3.82
FSTL1	3.682	0.08
FSTL3	2.5	5.62
FSTL4	5.382	0.55
FSTL5	4.83	0
FTCD	2.113	0
FTH1	2.432	85.51
FTHL1	0.896	5.19
FTHL10	0.805	1.36
FTHL11	0.886	0.44
FTHL12	0.912	0.54
FTHL16	0.939	3.16
FTHL17	0.813	0
FTHL2	0.568	0.18
FTHL3	0.954	0.31
FTHL4	0.912	2.06
FTHL7	0.91	2.61
FTHL8	0.909	0.98

FTHP1	40.464	0
FTHP2	0.812	0.49
FTL	0.871	262.96
FTLL1	0.978	14.57
FTLP	0.827	0
FTMT	0.879	0
FTO	4.294	2.62
FTSJ1	2.211	4.92
FTSJ2	3.202	2.91
FTSJ3	2.984	7.19
FUBP1	3.365	29.67
FUBP3	3.13	7.27
FUCA1	2.031	7.64
FUCA1P	2.028	0
FUCA2	2.098	0.14
FUK	3.907	1.32
FUNDC1	1.147	5.61
FUNDC2	2.964	6.78
FUNDC2P	1.126	3.69
FURIN	4.18	70.3
FUS	6.656	54.53
FUSIP1	4.199	23.49
FUSSEL18	0.891	0
FUT1	4.246	0.07
FUT10	3.549	1.11
FUT11	2.056	2.26
FUT2	3.105	0
FUT3	2.584	0.15
FUT4	5.938	3.22
FUT5	1.988	0.99
FUT6	3.11	0
FUT7	2.584	1.84
FUT8	4.325	1.44
FUT9	3.042	0
FUZ	1.621	3.24
FVT1	2.288	5.06
FXC1	1.469	10.64
FXN	3.793	1.49
FXR1	5.722	31.24
FXR2	2.844	2.12
FXYD1	0.614	0.81
FXYD2	0.644	0.46
FXYD3	1.579	0.06
FXYD4	0.771	0
FXYD5	1.717	201.91
FXYD6	1.675	2.66
FXYD7	0.713	2.64
FYB	4.828	0.35
FYCO1	8.497	1.72
FYN	5.31	26.9

FYTTD1	4.319	21.6
FZD1	8.7	0.72
FZD10	3.254	0.03
FZD2	1.983	0.15
FZD3	3.933	0.1
FZD4	7.383	0.47
FZD5	2.561	0.08
FZD6	3.754	7.91
FZD7	3.851	0.18
FZD8	3.186	21.62
FZD9	4.684	0
FZR1	5.342	15.02
G0S2	0.866	4.23
G13P1	0.825	0
G3BP1	4.259	10.46
G3BP2	4.451	20.47
G6PC	3.096	0
G6PC2	1.068	0
G6PC3	1.558	3.81
G6PD	2.631	12.11
GAA	3.847	6.4
GAB1	6.168	36.75
GAB2	6.429	92.06
GAB3	4.718	2.92
GAB4	2.63	0
GABARAP	0.893	157.44
GABARAPL1	1.87	37.72
GABARAPL2	1.002	18.46
GABARAPL3	1.851	0.64
GABBR1	19.626	0.01
GABBR2	5.786	0
GABPA	4.381	4.47
GABPB2	4.682	37.8
GABRA1	3.672	0
GABRA2	2.179	0
GABRA3	1.891	0
GABRA4	11.129	0
GABRA5	1.515	0
GABRA6	1.73	0
GABRB1	1.925	0
GABRB2	1.974	0
GABRB3	6.131	10.07
GABRD	1.848	1.01
GABRE	4.766	0.04
GABRG1	6.769	0
GABRG2	5.103	0
GABRG3	0.93	0
GABRP	3.268	0
GABRQ	2	0
GABRR1	1.976	0

GABRR2	1.613	0
GAD1	4.03	0.25
GAD2	2.462	0.04
GADD45A	1.355	112.37
GADD45B	1.363	40.5
GADD45G	1.065	2.51
GADD45GIP1	0.743	28.5
GADL1	3.084	0
GAGE1	0.639	0
GAGE10	0.396	0
GAGE12B	0.627	0
GAGE12D	0.627	0
GAGE12G	0.627	0
GAGE2	0.528	0
GAGE4	0.527	0
GAGE5	0.522	0
GAGE6	0.526	0
GAGE7	0.498	0
GAGE7B	0.502	0
GAGE8	0.517	0
GAK	5.315	18.28
GAL	0.778	0
GAL3ST1	1.791	0
GAL3ST2	1.583	0.37
GAL3ST3	2.103	0
GAL3ST4	4.76	2.76
GALC	4.373	1.95
GALE	1.724	0.86
GALK1	1.361	3.85
GALK2	3.359	0.88
GALM	1.932	0.41
GALNAC4S-6ST	11.592	38.45
GALNACT-2	3.724	8.34
GALNS	2.373	1.71
GALNT1	3.771	8.24
GALNT10	5.657	0.98
GALNT11	5.146	0.46
GALNT12	1.746	0.17
GALNT13	5.096	0
GALNT14	2.712	9.63
GALNT17	3.922	0.03
GALNT2	4.961	34.33
GALNT3	3.871	0.52
GALNT4	5.347	1.13
GALNT5	3.131	0.06
GALNT6	2.881	0.11
GALNT7	5.049	7.58
GALNT8	2.135	0
GALNT9	1.727	0
GALNTL1	2.907	0

GALNTL2	3.578	0
GALNTL4	2.504	0
GALNTL5	3.362	0.03
GALP	0.938	0
GALR1	3.057	0
GALR2	1.298	0
GALR3	1.157	0
GALT	1.335	6.08
GAMT	1.482	6.61
GAN	4.677	0.23
GANAB	4.91	29.46
GANC	4.586	3.54
GAP43	1.225	0
GAPDH	1.31	585.01
GAPDHL16	1.277	0.23
GAPDHL4	1.264	1.57
GAPDHP1	0.429	0.69
GAPDHP2	0.993	0.5
GAPDHS	1.439	1.38
GAPVD1	6.889	11.53
GARNL1	9.203	1.28
GARNL2P	7.159	1.21
GARNL3	3.348	0
GARNL4	6.661	15.52
GARS	5.49	6.79
GART	4.274	1.41
GAS1	2.827	0.14
GAS2	2.236	0
GAS2L1	4.684	0.86
GAS2L2	2.709	0
GAS2L3	2.333	0.38
GAS5	0.632	159.68
GAS6	3.179	14.84
GAS7	8.773	15.89
GAS8	3.185	4.6
GAST	0.435	0
GATA1	1.5	0
GATA2	3.367	0.61
GATA3	3.213	0.71
GATA4	3.372	0
GATA5	2.595	0
GATA6	3.494	0
GATAD1	7.91	1.95
GATAD2A	3.437	21.19
GATAD2B	6.292	29.96
GATM	2.325	0
GATS	7.214	12.44
GBA	2.888	3.05
GBA2	3.611	3.95
GBA3	2.105	0

GBAP	4.648	0.77
GBAS	3.948	5.16
GBE1	2.89	4.04
GBF1	6.376	6.99
GBGT1	1.949	2.69
GBL	1.64	6.75
GBP1	2.88	2.78
GBP2	2.595	22.15
GBP3	2.931	2.43
GBP4	5.449	29.16
GBP5	2.792	11.48
GBP6	2.987	0.2
GBP7	2.418	0.45
GBX2	1.335	0
GC	1.781	0
GCA	1.639	5.73
GCA1	1.459	0.41
GCA2	1.425	0.14
GCC1	8.264	3.94
GCC2	7.356	3.09
GCDH	2.092	3.69
GCET2	3.721	3.99
GCG	1.128	0
GCGR	2.044	0
GCH1	5.13	0.79
GCHFR	0.713	4.3
GCK	6.61	0
GCKR	2.189	0
GCLC	3.717	0.91
GCLM	3.074	0.93
GCM1	2.765	0
GCM2	2.357	0
GCN1L1	8.668	9.15
GCN5L2	3.247	17.77
GCNT1	5.518	0.52
GCNT2	7.186	0.32
GCNT3	2.118	0
GCNT4	3.436	0.03
Gcom1	16.567	0.55
GCS1	2.852	13.25
GCSH	1.161	0
GDA	5.43	0
GDAP1	1.077	0.36
GDAP1L1	2.244	0
GDAP2	2.851	0.62
GDF1	1.164	0
GDF10	2.674	0
GDF11	1.962	6.91
GDF15	1.183	0
GDF2	1.936	0

GDF3	1.224	0
GDF5	2.383	0
GDF6	3.701	0
GDF7	1.994	0
GDF8	2.819	0
GDF9	1.365	0.21
GDI1	2.917	42.36
GDI2	2.273	116.26
GDI2P	4.547	2.14
GDNF	1.416	0
GDPD1	1.821	0.16
GDPD2	2.166	0.04
GDPD3	1.703	0.87
GDPD4	2.533	0.08
GDPD5	3.441	0.86
GEFT	2.972	0
GEM	2.322	0
GEMIN4	3.446	1.4
GEMIN5	4.527	0.59
GEMIN6	0.693	1
GEMIN7	1.848	10.76
GEMIN8	1.682	6.35
GENX-3414	2.331	0.72
GFAP	3.035	0
GFER	2.409	3.98
GF11	2.784	8.18
GF11B	1.789	0.11
GFM1	3.468	5.05
GFM2	3.41	5.25
GFOD1	5.515	16.26
GFOD2	2.016	9.67
GFPT1	3.082	3.5
GFPT2	3.011	0
GFRA1	3.155	0
GFRA2	2.216	0
GFRA3	1.931	0
GFRA4	2.108	0
GFRAL	1.911	0
GGA1	4.356	5.24
GGA2	6.211	49.19
GGA3	3.846	14.04
GGCX	3.159	1.28
GGH	1.269	3.51
GGN	2.154	0.19
GGPS1	3.734	1.62
GGT1	2.695	0.22
GGT2	2.935	0
GGT3	2.066	0
GGT6	2.527	0
GGTA1	0.693	0

GGTA1P	1.124	0
GGTL3	2.772	1.82
GGTL4	1.216	0.08
GGTLA1	2.405	7.4
GGTLA4	1.412	0
GH1	1.201	3.05
GH2	2.087	0.24
GHDC	2.65	2.5
GHITM	2.376	34.94
GHR	4.36	1.64
GHRH	0.454	0
GHRHR	3.602	0
GHRL	0.518	0.95
GHSR	1.971	0
GIF	1.513	0
GIMAP1	2.496	3.64
GIMAP2	2.886	9.91
GIMAP3P	1.778	0.17
GIMAP4	3.93	11.66
GIMAP5	3.945	10.28
GIMAP6	8.127	7.02
GIMAP7	2.458	3.22
GIMAP8	7.886	0.59
GINS1	1.831	0.32
GINS2	1.172	1.77
GINS3	2.149	8.93
GINS4	1.166	0.6
GIP	0.711	0
GIPC1	2.115	6.45
GIPC2	2.823	0
GIPC3	1.212	2.53
GIPR	2.024	0
GIT1	3.726	11.26
GIT2	6.415	11.58
GIYD1	1.112	6.58
GIYD2	1.112	6.58
GJA1	3.086	0.07
GJA10	2.313	0
GJA12	2.243	0.49
GJA1P1	3.072	0.07
GJA3	1.308	0.08
GJA4	1.622	0
GJA5	2.653	0
GJA7	1.889	0.31
GJA8	1.374	0
GJA9	0.966	0
GJB1	1.613	0
GJB2	2.25	0.44
GJB3	3.141	0
GJB4	1.151	0

GJB5	1.281	0.08
GJB6	1.767	0.28
GJB7	2.279	0.52
GJC1	2.094	0.85
GJE1	1.68	0.65
GK	3.574	0.08
GK2	1.866	0
GK3P	0.974	0.41
GK4P	2.138	0.18
GK5	10.085	1.21
GK6P	1.803	0.27
GKAP1	1.778	1.5
GKN1	0.82	0
GKN2	0.8	0.5
GLA	1.35	8.72
GLB1	2.392	5.13
GLB1L	2.505	0.2
GLB1L3	2.706	8.16
GLCCI1	6.014	1.04
GLCE	5.043	0.16
GLDC	3.764	0.68
GLDCP	3.766	0.24
GLDN	4.595	0
GLE1L	3.604	15.26
GLG1	4.747	18.69
GLI1	3.6	0.11
GLI2	6.549	0.09
GLI3	10.108	0.33
GLI4	1.343	5.01
GLIPR1	1.061	2.99
GLIPR1L1	0.962	0.41
GLIPR1L2	1.729	0
GLIS1	2.816	0.04
GLIS2	1.909	0.05
GLIS3	3.118	0.04
GLMN	2.032	0.49
GLO1	1.993	19.16
GLOXD1	1.803	1.04
GLP1R	3.063	0
GLP2R	1.662	0
GLRA1	1.709	0
GLRA2	3.216	0
GLRA3	2.538	0
GLRB	2.609	0
GLRX	1.786	16.23
GLRX2	1.446	0.68
GLRX5	1.171	17.07
GLRXP	0.334	1.18
GLRXP2	1.5	0
GLS	5.504	6.85

GLS2	2.623	0.6
GLT1D1	2.721	0.87
GLT25D1	3.593	13.16
GLT25D2	5.182	0.19
GLT6D1	1.526	0
GLT8D1	2.427	5.14
GLT8D2	1.877	0.9
GLT8D3	7.493	1.01
GLTP	2.356	7.4
GLTSCR1	5.699	3.94
GLTSCR2	1.499	587.35
GLUD1	3.039	12.54
GLUD2	2.335	6.23
GLUDP2	0.398	0.25
GLUDP3	6.136	2.95
GLUDP4	2.089	0
GLUL	3.898	30.94
GLULD1	1.934	0
GLULL1	2.105	1.64
GLULP	1.116	1.24
GLYAT	2.729	0
GLYATL1	2.068	0
GLYATL2	1.636	0
GLYCAM1	3.057	0
GLYCTK	1.982	4.1
GM2A	2.511	3.55
GM2AP	0.563	0.18
GM632	5.919	10.33
GMCL1	2.346	1.02
GMCL1L	2.925	0.27
GMDS	1.672	4.74
GMEB1	2.183	2.22
GMEB2	6.02	29.25
GMFB	4.125	7.48
GMFG	0.551	200.39
GMIP	3.517	9.93
GML	0.723	0
GMNN	1.839	8.34
GMPPA	1.885	3.41
GMPPB	1.957	3.99
GMPR	1.515	0.26
GMPR2	2.824	10.54
GMPS	2.457	9.86
GNA11	1.475	8.92
GNA12	11.224	33.25
GNA13	4.972	36.27
GNA14	1.929	0
GNA15	2.673	36.38
GNAI1	6.64	5.56
GNAI2	2.2	80.67

GNAI3	3.138	10.03
GNAL	3.737	0.79
GNAO1	2.571	0
GNAQ	3.096	10.93
GNAQP	1.435	1.31
GNAS	17.643	90.66
GNAT1	2.534	0
GNAT2	1.51	0.06
GNAT3	2.131	0
GNAZ	3.211	0.21
GNB1	4.726	75.03
GNB1L	1.515	1.24
GNB2	3.421	36.12
GNB2L1	1.109	2037.71
GNB3	1.923	0.36
GNB4	3.302	8.63
GNB5	3.17	2.65
GNE	3.745	2.77
GNG10	1.245	4.13
GNG11	1.908	0.31
GNG12	4.289	2.7
GNG13	0.95	0.11
GNG2	3.419	9.72
GNG3	0.882	0.34
GNG4	1.721	0
GNG5	0.701	19.06
GNG5ps	0.427	6.02
GNG7	4.936	26.68
GNG8	0.213	0
GNGT1	1.256	0
GNGT2	1.039	0.48
GNL1	9.021	0.08
GNL2	2.308	6.82
GNL3	2.523	12.24
GNL3L	6.826	3.77
GPLY	1.21	14.23
GNMT	1.068	0.56
GNPAT	2.439	4.1
GNPDA1	2.267	0.48
GNPDA2	1.918	1.4
GNPNAT1	3.925	0.45
GNPTAB	8.724	43.13
GNPTG	1.856	22.34
GNRH1	1.511	0.26
GNRH2	0.694	0
GNRHR	9.285	0.02
GNRHR2	6.257	1.25
GNS	5.114	2.38
GOLGA	3.177	0
GOLGA1	4.798	3.14

GOLGA2	4.26	3.48
GOLGA2L1	2.266	1.26
GOLGA2LY1	1.061	0
GOLGA2LY2	5.926	0
GOLGA3	9.252	4.07
GOLGA4	7.702	5.33
GOLGA5	2.891	1.71
GOLGA6	3.176	0
GOLGA7	2.105	7.43
GOLGA8A	5.229	14.44
GOLGA8B	4.044	23.71
GOLGA8E	5.24	0
GOLGA8G	5.256	0
GOLGB1	11.09	12.23
GOLPH2	3.224	1.35
GOLPH3	2.676	20.34
GOLPH3L	3.127	1.04
GOLPH4	3.513	0.26
GOLT1A	0.883	0
GOLT1B	2.924	4.27
GON4L	9.563	7.91
GOPC	4.604	4.32
GORASP1	3.263	19.34
GORASP2	2.499	18.53
GOSR1	5.497	2.93
GOSR2	6.049	1.72
GOT1	1.942	2.14
GOT1L1	1.377	0
GOT2	2.447	36.55
GP1BA	2.424	0.98
GP1BB	0.958	0.11
GP2	2.431	0
GP5	5.223	0.08
GP6	2.264	0.3
GP9	0.854	0.23
GPA33	2.793	0.07
GPAA1	2.067	13.74
GPAA1P1	1.02	3.2
GPAM	6.368	0.65
GPATCH1	3.362	1.26
GPATCH2	2.336	4.15
GPATCH3	2.123	10.07
GPATCH4	2.1	2.17
GPATCH8	6.86	23.58
GPBAR1	1.367	0.21
GPBP1	3.086	28.85
GPBP1L1	4.649	21.45
GPC1	3.686	0.29
GPC2	5.064	1.97
GPC3	2.312	0

GPC4	3.714	0.16
GPC5	2.889	0
GPC6	2.759	0.28
GPD1	2.877	0.41
GPD1L	3.915	1.21
GPD2	2.794	0.71
GPHA2	0.747	0
GPHB5	0.392	0
GPHN	4.302	0.94
GPI	2.321	26.56
GPIAP1	6.925	17.79
GPKOW	1.652	5.27
GPLD1	4.138	0.04
GPM6A	4.009	0
GPM6B	4.093	0.27
GPNMB	5.73	0.26
GPR1	2.075	0
GPR101	1.527	0
GPR103	1.296	0
GPR107	6.878	6.75
GPR108	2.405	5.39
GPR109A	2.065	1.11
GPR109B	2.042	1.45
GPR110	9.504	46.32
GPR111	2.521	0
GPR112	9.931	0.02
GPR113	3.24	0.3
GPR114	3.761	0.58
GPR115	2.574	0
GPR116	5.502	0
GPR119	1.008	0
GPR12	1.005	2.46
GPR120	1.19	0
GPR123	3.84	0
GPR124	5.649	1.21
GPR125	4.56	5.27
GPR126	9.845	0.03
GPR128	3.07	0
GPR132	7.358	33.27
GPR133	2.824	0.07
GPR135	2.542	0.12
GPR137	1.688	4.28
GPR137B	1.997	0.44
GPR137C	4.79	0.12
GPR139	1.238	0
GPR141	1.836	0
GPR142	1.389	0
GPR143	1.607	0
GPR143P	6.108	0
GPR144	2.892	0

GPR146	3.514	11.57
GPR148	1.187	0
GPR149	2.323	0
GPR15	1.083	0.19
GPR150	1.305	0.38
GPR151	1.26	0
GPR152	1.429	0.35
GPR153	2.632	0.27
GPR155	7.473	0.37
GPR156	2.445	0.08
GPR157	1.153	0
GPR158	6.663	0
GPR160	2.473	7.8
GPR161	2.958	0
GPR162	2.812	0.52
GPR165P	0.712	0
GPR166P	0.702	0
GPR17	2.062	0
GPR171	1.786	0.55
GPR172A	1.937	1.17
GPR172B	2.294	0
GPR173	1.698	0.93
GPR174	1.258	0.08
GPR175	1.861	3.3
GPR176	5.352	102.8
GPR177	3.32	0.09
GPR179	7.98	0
GPR18	1.603	2.35
GPR180	3.922	0.12
GPR19	1.409	0.07
GPR20	1.528	0
GPR21	1.05	0.76
GPR22	5.932	0
GPR23	2.293	0
GPR25	1.086	0
GPR26	7.514	0
GPR27	1.128	0.18
GPR3	2.111	0.52
GPR30	5.942	0.08
GPR31	0.96	0
GPR32	1.071	0.09
GPR32P	1.611	0
GPR33	1.055	0
GPR34	4.442	0
GPR35	1.875	2.06
GPR37	5.916	0
GPR37L1	2.459	0
GPR39	1.362	0
GPR4	2.693	0
GPR42	1.041	0.1

GPR44	2.901	0.04
GPR45	1.725	0
GPR50	1.951	0
GPR52	1.472	0.34
GPR53P	3.774	0
GPR55	2.527	0
GPR56	5.98	8.95
GPR6	1.626	0
GPR61	2.462	0
GPR62	2.124	0
GPR63	1.891	0.11
GPR64	4.641	0.02
GPR65	1.754	1.08
GPR68	2.814	0.45
GPR75	2.057	0.86
GPR77	1.287	0.31
GPR78	1.941	0
GPR79	1.018	0
GPR81	2.977	3.53
GPR82	1.41	0
GPR83	4.109	0.04
GPR84	1.497	0.27
GPR85	9.764	0
GPR87	1.498	0.06
GPR88	3.488	0
GPR89A	1.928	0.66
GPR92	2.845	2.47
GPR97	2.656	3.32
GPR98	19.333	0
GPRASP1	4.705	2
GPRASP2	3.572	0.95
GPRC5A	2.851	0.14
GPRC5B	2.845	0.56
GPRC5C	2.434	13.7
GPRC5D	1.038	0
GPRC6A	2.86	0
GPRIN1	4.208	0.66
GPRIN2	1.823	0
GPRIN3	10.165	37.37
GPS1	2.738	14.96
GPS2	1.157	23.26
GPSM1	1.959	1.87
GPSM2	2.788	1.17
GPSM3	4.368	0.45
GPSN2	1.163	21.27
GPT	1.922	0.52
GPT2	3.955	0.05
GPX1	2.007	96.22
GPX2	0.994	0.1
GPX3	1.761	1.69

GPX4	1.528	70.96
GPX5	0.768	0
GPX6	1.712	0
GPX7	1.227	9.43
GPXP2	0.94	1.05
GRAMD1A	2.64	36.12
GRAMD1C	3.912	4.99
GRAMD2	3.281	0
GRAMD3	2.905	0.95
GRAP	3.669	51.56
GRAP2	1.552	0.2
GRASP	4.322	54.14
GRB10	11.886	7.6
GRB14	2.387	0
GRB2	3.468	21.14
GRB7	3.417	26.43
GREB1	10.498	0
GREM1	4.134	2.9
GREM2	4.183	0
GRHL1	3.84	0
GRHL2	4.778	0
GRHL3	3.302	0
GRHPR	1.235	8.01
GRIA1	3.24	0
GRIA2	5.644	0
GRIA3	3.692	0
GRIA4	2.709	0
GRID1	5.849	0
GRID2	3.024	0
GRID2IP	57.639	0.2
GRIK1	3.684	0.03
GRIK2	3.969	0
GRIK3	3.733	0
GRIK4	2.871	0
GRIK5	3.528	12.93
GRIN1	7.351	0
GRIN2A	6.289	0.19
GRIN2B	6.237	0
GRIN2C	4.268	1
GRIN2D	4.298	0
GRIN3A	7.77	0.05
GRIN3B	3.254	0.24
GRINA	2.11	18.19
GRINL1A	5.207	4.66
GRIP1	4.617	0
GRIP2	3.426	0
GRIPAP1	5.487	17.4
GRK1	1.096	0
GRK4	2.314	0.73
GRK5	3.484	19.14

GRK6	4.115	7.36
GRK6PS	2.417	1.47
GRK7	1.746	0.05
GRLF1	8.244	2.74
GRM1	6.622	0.04
GRM2	3.156	1.44
GRM3	8.52	0.01
GRM4	3.879	0
GRM5	4.475	0
GRM6	6.139	0
GRM7	5.625	0
GRM8	6.59	0
GRN	2.551	27.34
GRP	1.484	0
GRPEL1	1.504	3.35
GRPEL2	4.105	2.15
GRPR	2.681	0
GRRP1	1.523	0
GRSF1	2.839	8.29
G RTP1	1.492	0.2
GRWD1	2.414	3.44
GSC	1.189	0
G SCL	0.618	0
GSDM1	2.164	0
GSDMDC1	2.027	25.23
GSDML	1.626	6.57
GSG1	3.134	0
GSG1L	1.172	0
GSG2	2.797	0.85
GSH1	0.847	0
GSH2	1.262	0
GSK3A	2.179	7.67
GSK3B	1.626	4.57
GSN	3.065	157.85
GSPT1	4.171	63.83
GSPT2	2.503	7.51
GSR	2.262	6.47
GSS	1.9	9.47
GSTA1	1.042	0
GSTA2	0.976	0
GSTA3	0.908	0
GSTA4	1.298	1.68
GSTA5	0.845	0
GSTAP1	0.75	0
GSTCD	3.118	0.44
GSTK1	2	20.34
GSTM1	1.161	9.63
GSTM2	1.402	17.15
GSTM3	3.948	0.2
GSTM3P	0.574	0

GSTM4	1.905	1.15
GSTM5	1.567	0.06
GSTO1	0.785	22.31
GSTO2	1.494	0
GSTO3P1	0.79	2.63
GSTP1	0.942	104.71
GSTPP	0.412	0
GSTT1	1.005	5.02
GSTT2	1.101	0
GSTZ1	1.679	2.65
GTDC1	3.828	0.77
GTF2A1	1.922	0.83
GTF2A2	0.735	14.54
GTF2B	1.304	28.38
GTF2E1	2.955	1.78
GTF2E2	1.53	5.17
GTF2F1	2.443	29.65
GTF2F2	1.41	11.08
GTF2F2L	1.122	0.18
GTF2H1	3.175	1.34
GTF2H2	3.872	0
GTF2H3	1.505	2.56
GTF2H4	5.148	0
GTF2H5	0.449	2.2
GTF2I	9.058	1.56
GTF2IP1	111.876	0.13
GTF2IRD1	7.114	0.5
GTF2IRD2	7.102	0.53
GTF2IRD2B	7.17	1.01
GTF2IRD2P	63.534	0.07
GTF3C1	6.995	7.48
GTF3C2	3.92	8.75
GTF3C3	2.938	9.6
GTF3C4	3.209	2.35
GTF3C5	2.366	31.28
GTPBP1	5.428	33.74
GTPBP10	4.272	1.78
GTPBP2	2.979	6.24
GTPBP3	3.228	3.49
GTPBP4	2.517	15.37
GTPBP5	3.085	2.72
GTPBP6	1.18	15.76
GTPBP8	1.982	0.9
GTPBP9	4.532	6.37
GTSCR1	0.402	0
GTSE1	4.478	0.53
GUCA1A	1.874	0
GUCA1B	2.27	0.78
GUCA1C	0.86	0
GUCA2A	0.575	0

GUCA2B	0.597	0
GUCY1A2	2.954	0
GUCY1A3	2.992	1.85
GUCY1B2	2.871	0.04
GUCY1B3	2.443	0.12
GUCY2C	3.744	0
GUCY2D	3.622	0
GUCY2E	2.779	0
GUCY2F	3.698	0
GUF1	2.671	1.89
GUK1	4.322	38.78
GULOP	0.107	0
GULP1	3.451	0
GUSB	4.382	23.57
GUSBL1	0.979	0
GUSBL2	2.624	0.9
GUSBP1	7.169	0
GVIN1	8.82	0.12
GYG1	1.805	53.99
GYG2	3.267	0
GYG2P	14.911	0
GYLTL1B	2.528	6.5
GYPA	2.6	0.04
GYPB	0.527	0
GYPC	1.071	566.09
GYPE	1.886	0
GYS1	3.557	4.01
GYS2	2.905	0
GZF1	4.741	2.09
GZMA	0.878	3.95
GZMB	0.927	4.27
GZMH	0.902	3.4
GZMK	1.045	0.57
GZMM	0.947	1.25
H19	2.308	0.38
H1F0	2.33	506.91
H1FNT	1.3	0.08
H1FOO	1.067	0
H1FX	1.503	553.27
H2AFB1	0.517	0
H2AFB2	0.348	0
H2AFB3	0.517	0
H2AFJ	2.807	14.52
H2AFV	4.406	5.59
H2AFX	1.594	5.47
H2AFY	17.759	61.12
H2AFY2	1.917	0.05
H2AFZ	1.126	33.74
H2AFZP	1.167	1.53
H2AFZP2	0.851	2.21

H2BFM	1.964	0
H2BFS	0.381	1.3
H2BFWT	0.89	0
H3F3A	2.223	14.29
H3F3B	2.705	312.98
H6PD	9.117	2.29
HAAO	1.247	7.38
HABP2	3.009	0.1
HABP4	2.102	12.33
HACE1	4.54	0.59
HACL1	2.03	5.22
HADH	1.912	6.99
HADHA	2.927	52.19
HADHAP	2.854	5.48
HADHB	1.983	15.87
HAGH	2.266	2.19
HAGHL	2.555	3.02
HAL	3.139	0.06
HAMP	0.427	0.23
HAND1	1.738	0
HAND2	2.368	0
HAO1	1.746	0
HAO2	1.696	0
HAP1	4.087	0
HAPLN1	1.76	0
HAPLN2	1.771	0.22
HAPLN3	1.893	0.94
HAPLN4	3.383	0
HARS	1.964	16.92
HARS2	2.49	16.89
HAS1	2.087	0
HAS2	3.008	0.04
HAS3	4.645	0.23
HASNT	1.656	0
HAT1	1.828	5.25
HAVCR1	1.453	0
HAVCR2	2.32	0.43
HAX1	1.294	13.69
HBA1	0.576	1860.75
HBA2	0.575	2367.78
HBAP1	0.812	0
HBB	0.626	2146.43
HBBP1	2.402	0
HBD	0.774	4.86
HBE1	0.816	0
HBEGF	2.344	10.09
HBG1	0.584	19.14
HBG2	0.583	37.34
HBM	0.51	4.46
HBP1	7.193	27.86

HBQ1	0.651	0.15
HBS1L	7.409	10.45
HBXIP	1.406	53.2
HBZ	0.589	0.34
HBZP	2.035	0.15
HCCA2	1.406	13.44
HCCS	2.307	4.98
HCFC1	7.711	9.68
HCFC1R1	1.133	9.43
HCFC2	2.583	6.59
hCG_15200	2.309	59.31
hCG_16001	0.585	2.2
hCG_1640171	0.669	7.24
hCG_1640785	0.5	658.53
hCG_1641229	1.748	13.13
hCG_1641617	0.305	1.62
hCG_1641703	0.699	0.57
hCG_1642034	0.318	0
hCG_1642354	0.468	1.48
hCG_1642425	0.348	0
hCG_1642535	0.216	0
hCG_1642624	1.023	0.96
hCG_1642947	0.387	0
hCG_1642987	0.267	0.37
hCG_1643176	0.402	0
hCG_1643692	0.771	0
hCG_1644239	0.303	0.65
hCG_1644301	0.459	31.25
hCG_1644323	0.471	1.05
hCG_1644355	0.24	0
hCG_1644608	1.48	0.07
hCG_1644884	2.601	0
hCG_1645016	1.567	0
hCG_1645220	1.172	0
hCG_1645727	1.377	0
hCG_1646157	3.482	0.12
hCG_1646420	0.69	0
hCG_1646471	0.549	0
hCG_1651160	0.585	0
hCG_1654703	0.652	0
hCG_1655019	0.381	0
hCG_1657112	0.665	0
hCG_1657980	1.213	0
hCG_1659830	0.297	0
hCG_1660138	0.849	0
hCG_1660379	0.456	0
hCG_1729902	0.698	0
hCG_1730474	2.139	0.09
hCG_1731871	0.3	0
hCG_1732469	1.279	0

hCG_1740678	1.107	0
hCG_1749005	0.429	0.46
hCG_1757335	1.283	49.28
hCG_1773937	0.644	20.43
hCG_17750	0.384	17
hCG_1776018	1.053	0
hCG_1776047	0.523	0
hCG_1776980	1.212	2.04
hCG_1778014	2.645	1.9
hCG_1778643	0.573	2.76
hCG_1781062	1.499	11.62
hCG_1783052	4.715	3.1
hCG_1783417	0.554	587.38
hCG_1783907	0.657	0
hCG_1786283	1.69	0
hCG_1787519	0.745	0.4
hCG_1789710	0.566	0.35
hCG_1789827	0.371	0.27
hCG_1790262	0.381	7.53
hCG_1790474	0.339	6.72
hCG_1790806	0.384	0.77
hCG_1790950	0.354	0
hCG_1791193	0.207	264.79
hCG_1793136	0.375	0.53
hCG_1793610	0.354	0
hCG_1793639	0.273	0
hCG_1794003	0.465	0
hCG_1794298	0.966	0.82
hCG_1795065	0.717	1.52
hCG_1795091	0.49	0
hCG_1795283	0.576	0
hCG_17955	1.216	0.24
hCG_1795560	0.165	2.4
hCG_1806964	3.518	0.17
hCG_1811337	0.291	0
hCG_1813624	0.455	0
hCG_1813818	0.627	0
hCG_1814486	1.148	0.69
hCG_1814936	0.607	0
hCG_1815491	0.558	0.36
hCG_1815504	0.635	0
hCG_1817208	0.512	0
hCG_1818231	0.472	0
hCG_1818237	0.303	0.65
hCG_1820717	0.467	0
hCG_1820764	0.336	3.24
hCG_1820801	0.559	0
hCG_18255	0.588	0
hCG_18290	0.495	787.3
hCG_18385	0.387	3.58

hCG_18635	0.657	0.75
hCG_1979841	0.93	1.28
hCG_1980447	0.756	0.13
hCG_1981531	1.27	0.23
hCG_1981635	0.417	0
hCG_1982709	1.429	0.49
hCG_1983058	0.779	51.18
hCG_1983332	0.856	25.54
hCG_1983896	1.974	0.35
hCG_1984265	0.47	1.05
hCG_1984468	1.044	1.24
hCG_1985469	1.832	0.05
hCG_1986447	2.625	0.94
hCG_1988300	3.013	0
hCG_1989844	0.466	0
hCG_1990491	1.182	0
hCG_1992287	0.348	0
hCG_1992539	1.565	6.07
hCG_1994895	0.55	0
hCG_1995786	0.671	6.05
hCG_1999814	0.807	0
hCG_2000329	1.027	95.09
hCG_2001000	1.102	1.26
hCG_2003663	2.215	0
hCG_2003956	1.596	0.12
hCG_2004593	0.664	0.3
hCG_20114	1.404	7.96
hCG_2013212	0.492	0
hCG_2015956	0.89	12.78
hCG_2019139	0.45	0
hCG_2020170	0.171	0
hCG_2023776	2.722	0.87
hCG_2024094	0.59	2.52
hCG_2024410	2.398	0.29
hCG_2024596	0.738	0.54
hCG_2025063	0.555	0.89
hCG_2025128	3.541	0
hCG_2025798	0.593	0
hCG_2026038	0.902	0.88
hCG_2028557	1.93	3.8
hCG_2029702	0.596	0.33
hCG_2031213	0.531	0
hCG_2031635	0.303	7.84
hCG_2032978	0.677	0
hCG_2033311	0.477	0
hCG_2036596	1.363	0
hCG_2040054	0.977	0.2
hCG_2040201	1.123	0
hCG_2040210	1.082	0.28
hCG_2040224	0.531	12.11

hCG_2040376	2.541	4.2
hCG_2040572	0.519	0
hCG_2041321	0.363	0
hCG_20417	2.618	0
hCG_2042202	1.55	0
hCG_20426	1.88	0.53
hCG_2042779	0.609	0
hCG_2044152	0.509	0
hCG_2044975	0.459	0
hCG_2045048	0.56	0
hCG_2045437	0.635	0
hCG_2045614	0.766	0
hCG_2045751	0.635	0
hCG_2045804	0.454	0
hCG_2045828	0.455	0
hCG_2045830	0.705	0.56
hCG_2045843	0.537	0
hCG_21078	0.567	1638.66
hCG_22804	1.379	0.43
hCG_23177	0.565	0
hCG_24006	1.983	0
hCG_25371	0.54	36.27
hCG_25653	0.653	0
hCG_26523	0.523	149.26
hCG_26824	0.965	4.31
hCG_27695	0.693	5
hCG_31916	0.8	45.76
hCG_32481	3.633	2.21
hCG_33730	74.989	0
hCG_38480	0.825	0
hCG_38941	1.892	0
hCG_38984	1.581	0.12
hCG_39912	0.636	0
hCG_401283	1.083	0
hCG_41095	1.307	0.15
HCG12	1.3	0.76
HCG22	0.576	0
HCG27	5.156	0.19
HCG2P6	7.093	0
HCG2P7	3.633	0
HCG2P8	7.077	0
HCG4	2.035	0.05
HCG4P10	2.664	0
HCG4P3	0.984	0
HCG4P4	0.429	0
HCG4P5	0.89	0
HCG4P6	3.184	0.03
HCG4P7	0.898	0
HCG4P8	0.986	0
HCG9	1.959	0

HCG9P5	0.794	0
HCGVIII-2	1.28	0
HCK	2.089	0.9
HCLS1	1.957	30.58
HCN1	2.748	0
HCN2	3.408	0
HCN3	3.717	0.27
HCN4	5.065	0
HCP5	4.866	22.51
HCP5P10	2.657	0
HCP5P12	4.68	0
HCP5P13	1.113	0
HCP5P14	7.018	0.01
HCP5P15	2.323	0
HCP5P2	2.268	0
HCP5P3	1.3	0.46
HCP5P6	2.363	0
HCP9	11.971	0
HCRT	0.577	0.17
HCRTR1	1.564	0.12
HCRTR2	1.818	0
HCST	0.545	13.43
HCTSL-s	0.657	0
HD	14.643	7.18
HDAC1	2.091	12.21
HDAC10	2.687	12.99
HDAC11	1.719	2.88
HDAC2	1.964	11.79
HDAC3	1.934	7.87
HDAC4	8.458	0.97
HDAC5	6.104	28.83
HDAC6	4.099	11.34
HDAC7A	6.114	43.04
HDAC8	1.714	2.08
HDAC9	15.461	0.35
HDC	2.408	0.53
HDDC2	1.36	4.36
HDDC3	1.047	2.74
HDGF	2.377	39.09
HDGF2	2.422	6.83
HDGFL1	2.034	0.04
HDGFP	1.598	0.75
HDGFRP3	1.973	0.76
HDHD1A	2.098	0.85
HDHD1BP	107.418	0
HDHD1CP	1.847	0
HDHD2	2.185	2.18
HDHD3	1.721	2.87
HDLBP	5.494	16.51
HEATR1	7.436	4.59

HEATR2	6.494	1.63
HEATR3	2.625	0.72
HEATR4	3.469	0
HEATR5B	6.792	3.31
HEBP1	1.187	7.08
HEBP2	1.282	10.5
HECA	5.621	49.18
HECTD1	8.955	13.33
HECTD2	6.469	1.06
HECTD3	3.407	6.71
HECW1	13.678	0.27
HECW2	6.926	0
HEG1	9.213	1.43
HEJ1	0.945	0
HEL308	3.559	1.33
HELB	3.368	0.5
HELLS	3.099	0.96
HELT	0.984	0
HELZ	6.977	7.39
HEMGN	2.296	0.26
HEMK1	5.862	2.33
HEPACAM	3.24	0
HEPH	4.65	0
HEPHL1	6.181	0
HEPN1	1.428	0
HERC1	16.21	13.04
HERC2	15.334	3.98
HERC2P2	102.02	0.51
HERC2P4	2.428	0
HERC2P5	34.025	0
HERC2P6	0.586	0
HERC3	4.894	3.38
HERC4	5.878	1.18
HERC5	3.479	1.4
HERC6	4.954	1.46
HERPUD1	2.248	8.84
HERPUD2	5.736	6.21
HERV-FRD	3.192	0.75
HES1	1.453	0.07
HES2	4.258	0
HES3	1.355	0
HES4	0.878	0.22
HES5	1.306	0
HES6	1.359	0.36
HES7	0.678	0.14
HESX1	0.892	1
HEXA	2.598	30.39
HEXB	2.284	16.76
HEXDC	1.903	7.07
HEXIM1	4.785	15.96

HEXIM2	1.33	1.41
HEY1	2.199	0
HEY2	2.533	0.93
HEYL	3.361	0.12
HFE	3.685	0.13
HFE2	3.349	0
HFM1	2.02	0
HGD	2.837	0
HGF	9.104	0.23
HGFAC	2.038	0.2
HGS	2.911	18.73
HGSNAT	5.952	0.9
HHAT	3.594	1.02
HHATL	1.75	0
HHCM	1.407	0
HHEX	3.146	38.49
HHIP	3.53	0.31
HHLA1	2.277	0
HHLA2	2.66	1.08
HHLA3	1.863	0.85
HIAT1	2.915	17.71
HIATL1	3.298	8.37
HIATL2	68.322	0.2
HIBADH	3.956	0.65
HIBCH	2.326	0.47
HIC1	2.626	0.34
HIC2	6.794	5.12
HIF1A	7.182	104.35
HIF1AN	4.685	11.81
HIF3A	6.223	0.02
HIG2	2.698	0
HIGD1A	1.338	7.55
HIGD1B	0.626	0
HIGD2A	0.611	71.74
HIGD2BP	11.485	0.03
HILS1	0.854	0
HIN1L	6.813	1.6
HINT1	0.98	105.8
HINT2	0.652	6.98
HINT3	1.487	1.26
HIP1	14.675	1.07
HIP1R	4.473	20.99
HIP2	2.67	10.93
HIPK1	9.005	31.01
HIPK2	5.596	0.6
HIPK3	5.721	28.84
HIPK4	2.452	1.13
HIRA	4.013	7.62
HIRIP3	2.344	3.38
HISPPD1	5.281	5.47

HISPPD2A	7.708	1.72
HIST1H1A	0.757	0
HIST1H1B	0.79	0.88
HIST1H1C	0.732	111.77
HIST1H1D	0.777	4.45
HIST1H1E	0.785	7.56
HIST1H1PS2	0.735	0
HIST1H1T	0.725	0
HIST1H2AA	0.5	0
HIST1H2AB	0.477	0
HIST1H2AC	0.794	22.43
HIST1H2AD	0.46	1.72
HIST1H2AE	0.564	18.77
HIST1H2AG	2.251	0.79
HIST1H2AH	0.439	0.45
HIST1H2AI	0.469	2.32
HIST1H2AJ	0.439	0.9
HIST1H2AK	0.46	1.29
HIST1H2AL	0.47	0.42
HIST1H2AM	0.487	1.42
HIST1H2APS2	0.291	0
HIST1H2APS4	0.348	0
HIST1H2APS5	0.651	0.15
HIST1H2BA	0.437	0
HIST1H2BB	0.431	0
HIST1H2BC	0.438	6.33
HIST1H2BD	0.907	6.65
HIST1H2BE	0.435	0
HIST1H2BF	0.43	3.68
HIST1H2BG	0.445	8.45
HIST1H2BH	0.425	4.19
HIST1H2BI	0.437	0.68
HIST1H2BJ	0.481	4.73
HIST1H2BK	0.82	114.14
HIST1H2BL	0.453	1.09
HIST1H2BM	0.446	0.44
HIST1H2BN	0.449	2.2
HIST1H2BO	0.467	3.81
HIST1H2BPS2	0.34	0.58
HIST1H3A	0.469	1.48
HIST1H3B	0.472	1.05
HIST1H3C	0.459	0.21
HIST1H3D	0.864	2.98
HIST1H3E	0.462	2.14
HIST1H3F	0.466	0
HIST1H3G	0.467	0
HIST1H3H	0.473	6.91
HIST1H3I	0.477	0.42
HIST1H3J	0.478	0
HIST1H4A	0.372	1.6

HIST1H4B	0.357	0.83
HIST1H4C	0.39	1.52
HIST1H4D	0.367	0
HIST1H4E	0.377	12.86
HIST1H4F	0.368	0.53
HIST1H4G	0.367	0
HIST1H4H	0.374	18.26
HIST1H4I	0.37	0.53
HIST1H4J	0.356	5.56
HIST1H4K	0.354	11.74
HIST1H4L	0.364	0.82
HIST1H4PS1	0.171	0
HIST2H2AA3	1.035	68.54
HIST2H2AA4	0.855	40.04
HIST2H2AB	0.448	3.31
HIST2H2AC	0.437	1.36
HIST2H2BA	0.381	0
HIST2H2BC	0.582	5.78
HIST2H2BD	0.495	5.8
HIST2H2BE	2.223	41.22
HIST2H2BF	1.797	1.7
HIST2H3A	0.507	1.95
HIST2H3C	0.507	1.37
HIST2H3D	0.543	0.18
HIST2H3PS2	0.411	0
HIST2H4A	0.396	32.98
HIST2H4B	0.396	29.73
HIST3H2A	0.496	1
HIST3H2BA	0.379	0.52
HIST3H2BB	0.452	0
HIST3H3	0.481	0
HIST4H4	0.412	10.81
HIVEP1	9.026	4.44
HIVEP2	9.086	5.13
HIVEP3	8.544	1.44
HK1	4.528	3.54
HK2	7.093	1.6
HK3	3.05	1.53
HKDC1	3.679	0.03
HKR1	2.929	10.95
HLA-16	2.51	0.08
HLA-21	1.117	0.27
HLA-75	3.576	0
HLA-80	3.225	0
HLA-90	6.092	0
HLA-A	3.128	130.57
HLA-B	3.036	181.06
HLA-C	4.787	36.19
HLA-DMA	3.222	0
HLA-DMB	4.074	8.99

HLA-DOA	10.455	2.28
HLA-DOB	2.644	7.3
HLA-DPA1	3.471	3.33
HLA-DPB1	3.002	260.72
HLA-DPB2	51.612	9.44
HLA-DQA1	5.26	24.3
HLA-DQA2	5.141	0
HLA-DQB1	6.488	131.72
HLA-DQB2	3.177	0.09
HLA-DRA	3.756	20.7
HLA-DRB1	5.21	110.82
HLA-DRB2	15.03	1.81
HLA-DRB3	2.316	0
HLA-DRB4	2.387	0
HLA-DRB5	1.385	322.6
HLA-DRB6	8.525	0.91
HLA-DRB7	19.496	0
HLA-DRB8	2.537	0
HLA-DRB9	1.811	0
HLA-E	5.07	1.62
HLA-F	3.564	1.64
HLA-G	5.554	0.02
HLA-H	11.492	0.38
HLA-J	2.775	0
HLA-K	3.252	0.33
HLA-L	14.499	0.05
HLCS	5.977	0.58
HLF	4.01	0
HLTF	6.573	2.24
HLX1	2.528	46.38
HLXB9	4.353	0
HM13	4.009	9.13
HMBOX1	2.881	3.13
HMBS	1.655	0.77
HMCN1	18.206	0
HMCN2	9.649	0
HMFN0672	2.633	0.15
HMG14P	0.576	0
HMG17L1	1.46	0.07
HMG17L2	0.265	0
HMG17P1	2.288	0
HMG1L1	0.636	0.93
HMG1L3	0.446	0
HMG1L4	0.566	0.35
HMG1L5	0.997	1.89
HMG1L8	1.609	0.25
HMG1L9	1.575	1.82
HMG20A	3.885	3.85
HMG20B	1.796	23.46
HMG2L1	5.262	3.08

HMG4L	0.888	0
HMG4L2	0.581	0
HMGA1	2.618	38.24
HMGA1L1	2.082	0.42
HMGA1L2	1.397	2.83
HMGA1L3	1.814	2.73
HMGA2	4.609	0.41
HMGB1	5.604	36.79
HMGB1P	0.972	0.61
HMGB2	1.264	426.9
HMGB3	3.556	2.62
HMGB4	2.981	0
HMGCL	1.608	2.77
HMGCLL1	2.532	0
HMGCR	4.475	2.61
HMGCS1	3.336	3.14
HMGCS2	2.046	0
HMGN1	1.918	25.12
HMGN1P1	0.936	1.48
HMGN2	1.52	27.54
HMGN2P	0.677	0.14
HMGN2P2	1.097	0.09
HMGN3	1.848	16.28
HMGN4	1.969	7.99
HMHA1	5.016	43.29
HMHB1	0.384	10.57
HMMR	2.988	0.13
HMOX1	1.55	2.93
HMOX2	1.626	2.61
HMP19	2.335	0
HMSD	12.607	0
HMX1	1.896	0
HMX2	1.628	0.06
HMX3	2.163	0
HN1	3.463	2.03
HN1L	3.683	0.89
HNF4A	4.04	0
HNF4G	4.1	0
HNMT	4.178	0.1
hnRNPA1p	0.892	1.33
HNRNPG-T	2.097	0
HNRPA0	2.967	70.8
HNRPA1	3.757	51.09
HNRPA1L-2	1.354	0.22
HNRPA1L3	1.73	0.35
HNRPA1P3	0.465	0.43
HNRPA1P4	316.052	0
HNRPA1P5	0.7	0
HNRPA1P6	0.978	5.36
HNRPA2B1	8.391	62.95

HNRPA3	3.33	36.75
HNRPA3P1	3.006	0.92
HNRPAB	1.816	11.98
HNRPC	3.229	47.03
HNRPCL1	1.108	3.22
HNRPCP	1.613	1.47
HNRPD	3.742	114.35
HNRPDL	4.136	86.6
HNRPDP	1.036	30.37
HNRPF	2.591	43.46
HNRPH1	6.56	199.03
HNRPH2	2.42	52.29
HNRPH3	5.831	63.97
HNRPK	5.071	56.76
HNRPL	5.205	57.37
HNRPLL	2.035	0.87
HNRPM	5.347	44.92
HNRPR	2.663	54.43
HNRPU	8.227	30.86
HNRPUL1	7.593	62.87
HNRPUL2	5.222	21.46
HNRPUP	0.651	47.42
HNT	3.375	0
HOMER1	4.214	0.23
HOMER2	3.114	1.15
HOMER3	1.517	0.39
HOMEZ	3.665	0.19
HOM-TES-103	3.215	4.89
HOOK1	2.457	0
HOOK2	2.513	1.69
HOOK3	3.685	3.63
HOP	1.368	0.51
HORMAD1	1.879	0.05
HORMAD2	1.895	0
HOXA1	9.602	0.01
HOXA10	6.3	0
HOXA11	5.306	0.02
HOXA11S	3.098	0
HOXA13	5.027	0.02
HOXA2	3.556	0
HOXA3	7.437	0.01
HOXA4	3.688	0
HOXA5	2.664	0
HOXA6	1.726	0.05
HOXA7	4.036	0
HOXA9	4.114	0.07
HOXB1	1.014	0
HOXB13	3.038	0
HOXB2	1.604	0.19
HOXB3	3.618	0.11

HOXB4	2.033	0.04
HOXB5	1.821	0
HOXB6	1.676	0
HOXB7	1.367	1.96
HOXB8	1.823	0.05
HOXB9	2.701	0
HOXC10	1.96	0
HOXC11	2.037	0
HOXC12	0.849	0
HOXC13	2.396	0
HOXC4	2.346	0
HOXC5	3.254	0
HOXC6	2.584	0
HOXC8	2.29	0
HOXC9	1.542	0
HOXD1	2.066	132.6
HOXD10	1.804	0
HOXD11	1.463	0
HOXD12	0.841	0
HOXD13	1.461	0
HOXD3	2.299	0
HOXD4	1.298	0
HOXD8	1.879	0
HOXD9	2.089	0.33
HP	1.433	2.21
HP1BP3	2.092	10.92
HPCA	1.406	0
HPCAL1	2.834	21.4
HPCAL4	4.259	0.09
HPD	1.423	0.14
HPGD	2.537	0.23
H-plk	5.748	2.52
HPN	2.568	0.35
HPR	1.242	0.48
HPRT1	1.331	6.02
HPRTP2	1.108	0.18
HPS1	6.336	6.26
HPS3	4.451	0.43
HPS4	11.287	190.06
HPS5	5.115	1.3
HPS6	2.647	7.44
HPSE	1.793	0
HPSE2	2.293	0
HPX	1.389	0.14
HR	4.981	0.77
HRAS	1.251	3.16
HRASLS	1.062	0
HRASLS2	0.742	0
HRASLS3	1.066	0.28
HRASLS5	1.166	0

HRB	6.513	22.16
HRBL	9.621	7.34
HRC	2.385	0
HRG	1.952	0
HRH1	3.868	0.15
HRH2	3.315	22.98
HRH3	2.671	0
HRH4	3.668	0
HRK	0.697	0.28
HRNBP3	0.445	0
HRNR	9.623	0
HRSP12	1.011	0.1
HS1BP3	2.403	1.52
HS2ST1	6.714	0.87
HS322B1A	7.385	0.01
HS3ST1	1.965	0.05
HS3ST2	1.952	0
HS3ST3A1	2.527	0.04
HS3ST3B1	2.676	5.25
HS3ST4	2.808	0
HS3ST5	1.041	0
HS3ST6	0.936	0
HS6ST1	2.055	2.32
HS6ST2	4.441	0
HS6ST3	7.8	0
HSBP1	1.891	5.23
HSBP1P1	0.521	0.76
HSCB	1.09	2.91
HSD11B1	1.512	0
HSD11B1L	3.428	0.4
HSD11B2	1.884	0
HSD17B1	2.23	1.47
HSD17B10	1.045	18.09
HSD17B11	1.675	35.61
HSD17B12	2.383	4.07
HSD17B13	2.377	0.71
HSD17B14	1.237	1.84
HSD17B2	1.427	0
HSD17B3	1.134	0
HSD17B4	2.594	1.79
HSD17B6	1.512	0
HSD17B7	1.519	2.02
HSD17B7P2	24.055	0.28
HSD17B8	2.967	0
HSD3B1	1.648	0
HSD3B2	1.669	0
HSD3B7	2.17	0.13
HSDL1	3.488	1.08
HSDL2	3.21	1.48
HSF1	2.137	25.92

HSF2	2.445	7.81
HSF2BP	1.899	0
HSF4	1.546	9.22
HSF5	4.107	0.07
HSFX1	2.019	0
HSFY1	2.816	0
HSFY2	2.834	0
HSH2D	2.367	7.61
HSMPP8	3.234	10.8
HSN2	1.305	1.67
HSP40	2.877	0.17
HSP90AA1	4.418	63.44
HSP90AA2	3.218	12.33
HSP90AA3P	2.81	0.78
HSP90AA4P	2.287	1.51
HSP90AB1	2.538	145.13
HSP90AB2P	1.277	7.59
HSP90AB3P	2.546	16.21
HSP90AB4P	3.541	0.17
HSP90AB5P	2.212	0
HSP90B1	2.78	33.81
HSP90B2P	2.083	5.46
HSP90B3P	10.13	0.23
HSPA12A	7.196	0
HSPA12B	3.109	6.59
HSPA14	1.806	5.09
HSPA1A	7.149	0.08
HSPA1B	7.531	0.08
HSPA1L	7.527	0
HSPA2	2.464	0.6
HSPA4	3.526	20.59
HSPA4L	3.27	0
HSPA5	3.908	46.81
HSPA6	2.652	1.75
HSPA8	2.42	90.52
HSPA9	3.138	37.14
HSPA9P	2.733	5.25
HSPB1	1.694	80.01
HSPB2	0.802	0
HSPB3	0.763	0
HSPB6	1.457	0
HSPB7	2.557	0
HSPB8	2.002	0
HSPB9	0.48	1.44
HSPBAP1	1.936	3.16
HSPBP1	1.769	4.7
HSPC049	6.712	14.02
HSPC072	0.963	0.31
HSPC105	1.232	0
HSPC111	1.418	17.93

HSPC142	1.464	22.03
HSPC148	1.017	20.34
HSPC152	0.583	51.93
HSPC159	0.771	1.93
HSPC171	0.821	17.84
HSPC268	2.024	2.54
HSPD1	2.436	13.77
HSPDP3	1.787	0.11
HSPDP7	2.349	0
HSPE1	0.538	5.7
HSPEP1	0.318	0
HSPEP2	0.465	0.64
HSPG2	14.288	1.56
HSPH1	3.668	3.83
HSZFP36	2.368	2.88
HTATIP	2.393	9.51
HTATIP2	1.418	1.74
HTATSF1	2.759	7.24
HTF9C	3.12	8.27
HTN1	0.537	0
HTN3	0.524	0
HTR1A	1.269	0
HTR1B	1.173	0.08
HTR1D	2.835	0
HTR1E	1.913	0
HTR1F	1.101	0.81
HTR2A	3.009	0
HTR2B	2.227	0.22
HTR2C	4.751	0
HTR3A	2.654	0.07
HTR3B	1.817	0
HTR3C	1.699	0
HTR3D	1.459	0
HTR3E	1.912	0
HTR4	4.519	0
HTR5A	4.803	0
HTR6	1.984	0
HTR7	7.495	0.01
HTR7P	7.289	0.39
HTRA1	2.103	0
HTRA2	2.55	9.63
HTRA3	2.537	8.69
HTRA4	1.764	1.63
HUNK	7.385	0.02
HUS1	4.286	1.17
HUS1B	1.026	0.2
HUWE1	13.644	9.99
HVCN1	2.596	19.78
HYAL1	6.246	0.04
HYAL2	1.95	0.3

HYAL3	1.942	0.15
HYAL4	4.814	0
HYALP1	12.55	0
HYDIN	3.659	0
HYI	0.985	11.86
HYLS1	1.81	0.54
HYMAI	5.005	0
HYOU1	4.556	3.48
HYPE	1.651	0.42
HYPK	1.349	12.03
IAH1	1.376	15.17
IAPP	1.462	0
IARS	5.164	12.62
IARS2	3.549	6.13
IBRDC1	1.784	0
IBRDC2	4.768	1.08
IBRDC3	1.987	7.02
IBSP	1.081	0
IBTK	5.775	3.17
ICA1	4.907	0.04
ICA1L	4.691	0.46
ICAM1	2.984	2.98
ICAM2	1.035	15.1
ICAM3	1.742	26.75
ICAM4	3.023	0.72
ICAM5	3.001	0.06
ICEBERG	0.431	0
ICHTHYIN	3.269	0
ICK	6.403	0.88
ICMT	4.815	0.64
ICOS	2.613	0.34
ICOSLG	4.996	41.13
ICT1	0.879	3.16
ID1	2.106	1.6
ID2	1.364	21.68
ID2B	1.174	0.51
ID3	1.716	120.27
ID4	2.344	0
IDE	3.279	2.08
IDH1	2.329	2.13
IDH2	1.733	36.42
IDH3A	2.665	1.78
IDH3B	2.335	38.6
IDH3G	1.981	18.33
IDI1	2.427	43.13
IDI2	1.359	0.14
IDS	2.75	2.27
IDSP1	1.625	0.43
IDUA	2.628	10.69
IER2	2.05	71.96

IER3	5.457	0
IER3IP1	1.45	5.94
IER5	2.337	18.42
IER5L	1.224	0.32
IFI16	3.85	37.7
IFI27	0.652	0.91
IFI30	1.032	15.82
IFI35	1.164	6.37
IFI44	1.681	8.77
IFI44L	2.048	0
IFI6	1.012	5.18
IFIH1	3.421	1.68
IFIT1	3.344	0.15
IFIT1L	1.972	0
IFIT1P	0.713	0.14
IFIT2	3.046	1.1
IFIT3	2.505	0.39
IFIT5	3.914	2.3
IFITM1	0.855	155.41
IFITM2	0.904	141.95
IFITM3	0.808	190.65
IFITM4P	1.028	0
IFITM5	0.733	1.48
IFITM8P	0.399	0.25
IFLTD1	1.718	0
IFNA1	0.876	0
IFNA10	0.963	0
IFNA13	0.653	0
IFNA14	0.99	0
IFNA16	0.939	0
IFNA17	0.98	0
IFNA2	1.143	0
IFNA21	0.984	0
IFNA4	0.978	0
IFNA5	0.57	0
IFNA6	0.57	0
IFNA7	0.737	0
IFNA8	1.042	0
IFNAP22	0.57	0
IFNAR1	6.095	1.53
IFNAR2	3.178	5.82
IFNB1	0.84	0
IFNE1	1.475	0
IFNG	1.21	0.25
IFNGR1	2.249	20.54
IFNGR2	2.494	19.6
IFNK	1.14	0
IFNW1	1.514	0
IFNWP12	0.31	0
IFNWP19	1.359	0

IFP38	1.051	0
IFRD1	5.402	2.35
IFRD2	2.045	3.48
IFRG15	0.396	50.72
IFT122	4.348	5.14
IFT140	4.935	2.41
IFT172	5.36	3.08
IFT20	0.974	10.87
IFT52	1.675	5.43
IFT57	3.539	9.59
IFT74	1.995	1.14
IFT80	4.292	2.28
IFT81	4.781	0.14
IFT88	3.256	0.97
IGBP1	1.661	43.01
IGF1	7.236	0
IGF1R	4.99	2.48
IGF2	3.97	0.03
IGF2AS	2.061	0
IGF2BP1	8.769	0
IGF2BP2	4.55	13.5
IGF2BP3	8.318	4.17
IGF2R	9.329	17.9
IGFALS	2.056	0.44
IGFBP1	3.79	0
IGFBP2	1.43	0.14
IGFBP3	6.068	0.02
IGFBP4	2.236	28.18
IGFBP5	6.238	0
IGFBP6	0.966	0
IGFBP7	1.11	15.07
IGFBPL1	1.093	0
IGFL1	0.769	0
IGFL2	0.885	0
IGFL3	0.662	0
IGFL4	0.573	0
IGHA1	1.061	24.25
IGHA2	1.019	2.52
IGHD	2.506	17.33
IGHD1-1	0.1	0
IGHD1-14	0.1	0
IGHD1-20	0.1	0
IGHD1-26	0.1	0
IGHD1-7	0.1	0
IGHD2-15	0.1	0
IGHD2-2	0.1	0
IGHD2-21	0.1	0
IGHD2-8	0.1	0
IGHD3-10	0.1	0
IGHD3-16	0.1	0

IGHD3-22	0.1	0
IGHD3-3	0.1	0
IGHD3-9	0.1	0
IGHD4-11	0.1	0
IGHD4-17	0.1	0
IGHD4-23	0.1	0
IGHD4-4	0.1	0
IGHD5-12	0.1	0
IGHD5-18	0.1	0
IGHD5-24	0.1	0
IGHD5-5	0.1	0
IGHD6-13	0.1	0
IGHD6-19	0.1	0
IGHD6-25	0.1	0
IGHD6-6	0.1	0
IGHD7-27	0.1	0
IGHE	1.286	0
IGHEP1	1.951	0
IGHEP2	1.258	0.31
IGHG1	0.992	11.47
IGHG2	0.98	5.25
IGHG3	1.663	8.8
IGHG4	0.983	0.81
IGHGP	3.089	1.47
IGHJ1	0.1	0.99
IGHJ1P	0.1	0
IGHJ2	0.1	0
IGHJ2P	0.1	0
IGHJ3	0.1	0
IGHJ3P	0.1	15.83
IGHJ4	0.1	4.94
IGHJ5	0.768	21.26
IGHJ6	2.716	34.79
IGHM	2.077	487.54
IGHMBP2	3.891	2.39
IGHV1-12	0.495	0
IGHV1-14	0.25	0
IGHV1-17	0.789	0
IGHV1-18	0.353	0.28
IGHV1-2	0.353	0
IGHV1-24	0.353	0
IGHV1-3	0.353	0.56
IGHV1-45	0.353	0
IGHV1-46	0.353	0.84
IGHV1-58	0.353	0
IGHV1-67	0.797	0
IGHV1-68	0.871	0
IGHV1-69	0.353	3.36
IGHV1-8	0.353	0
IGHV1OR15-1	13.265	0.01

IGHV2-10	0.796	0
IGHV2-26	0.358	0.28
IGHV2-5	0.358	4.7
IGHV2-70	0.358	3.32
IGHV3-11	0.353	0.28
IGHV3-13	0.35	0
IGHV3-15	0.359	0.55
IGHV3-16	0.353	0
IGHV3-19	0.293	0
IGHV3-20	0.353	0
IGHV3-21	0.353	0.28
IGHV3-22	0.821	0
IGHV3-23	0.353	0.28
IGHV3-25	0.807	0
IGHV3-29	0.813	0
IGHV3-30	0.353	2.8
IGHV3-30-2	0.804	0
IGHV3-32	0.813	0
IGHV3-33	0.353	1.97
IGHV3-33-2	0.804	0
IGHV3-35	0.353	0
IGHV3-36	0.821	0.12
IGHV3-37	0.801	0
IGHV3-38	0.347	0
IGHV3-41	0.807	0
IGHV3-42	0.767	0
IGHV3-43	0.355	0
IGHV3-47	0.81	0
IGHV3-48	0.353	0.28
IGHV3-49	0.359	0
IGHV3-50	0.81	0
IGHV3-52	0.804	0
IGHV3-53	0.35	0.28
IGHV3-54	0.803	0
IGHV3-57	0.306	0
IGHV3-6	0.807	0.36
IGHV3-60	0.811	0
IGHV3-62	0.809	0
IGHV3-63	0.833	0
IGHV3-64	0.353	0
IGHV3-65	0.894	0
IGHV3-66	0.35	0
IGHV3-7	0.353	0
IGHV3-71	0.821	0
IGHV3-72	0.359	0
IGHV3-73	0.359	0.28
IGHV3-74	0.353	1.68
IGHV3-75	0.836	0
IGHV3-76	0.799	0
IGHV3-79	0.812	0

IGHV3-9	0.355	0
IGHV4-28	0.353	0.56
IGHV4-31	0.356	1.67
IGHV4-34	0.35	2.26
IGHV4-39	0.356	2.22
IGHV4-4	0.35	0
IGHV4-55	0.789	0.12
IGHV4-59	0.35	189.39
IGHV4-61	0.356	0.83
IGHV4-80	0.719	0
IGHV5-51	0.353	3.64
IGHV5-78	0.787	0.37
IGHV6-1	0.365	1.08
IGHV7-27	0.744	0.13
IGHV7-34-1	0.784	0
IGHV7-40	0.203	0
IGHV7-56	0.786	0
IGHV7-81	0.353	0.28
IGHVII-1-1	0.452	0
IGHVII-15-1	0.271	0
IGHVII-20-1	0.501	0
IGHVII-22-1	0.269	0
IGHVII-26-2	0.313	0
IGHVII-28-1	0.253	0
IGHVII-30-1	0.274	0
IGHVII-31-1	0.103	0
IGHVII-33-1	0.274	0
IGHVII-40-1	0.1	0
IGHVII-43-1	0.209	0
IGHVII-44-2	0.237	0
IGHVII-46-1	0.493	0
IGHVII-49-1	0.271	0
IGHVII-51-2	0.263	0
IGHVII-53-1	0.27	0
IGHVII-60-1	0.269	0
IGHVII-62-1	0.273	0
IGHVII-65-1	0.273	0
IGHVII-67-1	0.15	0
IGHVII-74-1	0.169	0
IGHVII-78-1	0.275	0
IGHVIII-11-1	0.187	0
IGHVIII-13-1	0.299	0
IGHVIII-16-1	0.305	0
IGHVIII-2-1	0.302	0
IGHVIII-22-2	0.274	0
IGHVIII-25-1	0.242	0
IGHVIII-26-1	0.307	0
IGHVIII-38-1	0.293	0
IGHVIII-44	0.255	0
IGHVIII-47-1	0.304	0

IGHVIII-5-1	0.1	0
IGHVIII-51-1	0.307	0
IGHVIII-5-2	0.261	0
IGHVIII-67-2	0.1	0
IGHVIII-67-3	0.275	0
IGHVIII-67-4	0.306	0
IGHVIII-76-1	0.307	0
IGHVIII-82	0.292	0
IGHVIV-44-1	0.775	0
IGJ	1.056	118.05
IGK@	0.1	0
IGKC	0.323	83.32
IGKDEL	0.1	0
IGKJ1	0.1	0.99
IGKJ2	0.1	0
IGKJ3	0.1	0
IGKJ4	0.1	2.97
IGKJ5	0.1	0.99
IGKV1-12	0.351	0.28
IGKV1-13	0.351	0
IGKV1-16	0.351	0
IGKV1-17	0.351	1.13
IGKV1-22	0.823	0
IGKV1-27	0.351	1.41
IGKV1-32	0.832	0
IGKV1-33	0.351	0.85
IGKV1-35	0.826	0
IGKV1-37	0.351	0
IGKV1-39	0.351	4.51
IGKV1-5	0.351	3.1
IGKV1-6	0.351	0.28
IGKV1-8	0.345	0
IGKV1-9	0.351	0
IGKV1D-12	0.351	0
IGKV1D-13	0.351	0
IGKV1D-16	0.351	0
IGKV1D-17	0.351	0
IGKV1D-22	0.823	0
IGKV1D-27	0.828	0
IGKV1D-32	0.832	0
IGKV1D-33	0.351	0.85
IGKV1D-35	0.826	0
IGKV1D-42	0.351	0
IGKV1D-43	0.351	0
IGKV1D-8	0.351	0
IGKV2-10	1.055	0
IGKV2-14	1.127	0
IGKV2-18	1.137	0
IGKV2-19	0.267	0
IGKV2-23	0.988	0

IGKV2-24	0.36	0.27
IGKV2-26	1.117	0
IGKV2-28	0.36	0.55
IGKV2-29	1.087	0.09
IGKV2-30	0.36	0
IGKV2-36	0.234	0
IGKV2-38	0.24	0
IGKV2-4	1.088	0
IGKV2-40	0.314	0
IGKV2D-10	1.127	0
IGKV2D-14	1.127	0
IGKV2D-18	1.137	0
IGKV2D-19	0.267	0
IGKV2D-23	1.569	0
IGKV2D-24	0.36	0.27
IGKV2D-26	1.115	0
IGKV2D-28	0.359	0.83
IGKV2D-29	0.362	0.27
IGKV2D-30	0.36	0
IGKV2D-36	0.234	0
IGKV3-11	0.345	2.01
IGKV3-15	0.345	1.15
IGKV3-20	0.348	3.13
IGKV3-25	2.108	0
IGKV3-31	0.871	0
IGKV3-34	0.881	0
IGKV3-7	0.348	0
IGKV3D-11	0.345	1.15
IGKV3D-15	0.345	1.15
IGKV3D-20	0.348	0.57
IGKV3D-25	2.081	0
IGKV3D-31	0.881	0
IGKV3D-34	0.881	0
IGKV3D-7	0.357	0
IGKV4-1	0.363	4.63
IGKV5-2	0.345	0.28
IGKV6-21	0.342	0
IGKV6D-21	0.342	0
IGKV6D-41	0.347	0
IGKV7-3	0.956	0
IGL@	0.673	13.53
IGLC1	0.318	9.95
IGLC2	0.318	11.82
IGLC3	0.318	21.78
IGLC4	0.253	0
IGLC5	0.309	0
IGLC6	0.324	0.31
IGLC7	0.318	5.29
IGLJ1	0.1	0
IGLJ2	0.1	2.97

IGLJ3	0.1	1.98
IGLJ4	0.1	0
IGLJ5	0.1	0
IGLJ6	0.1	0
IGLJ7	0.1	0
IGLJCOR18	0.432	0
IGLL1	1.362	3.05
IGLV10-54	0.296	0
IGLV10-67	0.295	0
IGLV11-55	0.312	0
IGLV1-36	0.296	0
IGLV1-40	0.299	0.33
IGLV1-41	0.296	0
IGLV1-44	0.296	3.01
IGLV1-47	0.296	0.67
IGLV1-50	0.299	0.33
IGLV1-51	0.296	3.01
IGLV1-62	0.298	0
IGLV2-11	0.297	0.33
IGLV2-14	0.297	1.99
IGLV2-18	0.297	0
IGLV2-23	0.297	5
IGLV2-28	0.285	0
IGLV2-33	0.297	0
IGLV2-34	0.297	0
IGLV2-5	0.298	0
IGLV2-8	0.297	2.33
IGLV3-1	0.285	6.6
IGLV3-10	0.29	0
IGLV3-12	0.29	0
IGLV3-13	0.284	0
IGLV3-15	0.285	0
IGLV3-16	0.29	0
IGLV3-17	0.281	0
IGLV3-19	0.29	1.37
IGLV3-2	0.284	0
IGLV3-21	0.29	3.07
IGLV3-22	0.284	0
IGLV3-24	0.284	0
IGLV3-25	0.29	1.71
IGLV3-26	0.289	0
IGLV3-27	0.284	0
IGLV3-29	0.28	0
IGLV3-30	0.295	0
IGLV3-31	0.29	0
IGLV3-32	0.29	0
IGLV3-4	0.28	0
IGLV3-6	0.284	0
IGLV3-7	0.288	0
IGLV3-9	0.285	0

IGLV4-3	0.312	0
IGLV4-60	0.299	0.33
IGLV4-69	0.299	1.32
IGLV5-37	0.312	0.32
IGLV5-45	0.312	2.22
IGLV5-48	0.312	1.9
IGLV5-52	0.317	15.61
IGLV6-57	0.296	2.01
IGLV7-35	0.295	0
IGLV7-43	0.294	0.34
IGLV7-46	0.294	1.01
IGLV8-61	0.296	1
IGLV9-49	0.315	0.94
IGLVI-20	0.286	0
IGLVI-38	0.291	0
IGLVI-42	0.291	0
IGLVI-56	0.296	0
IGLVI-63	0.297	0
IGLVI-68	0.293	0
IGLVI-70	0.293	0
IGLVIV-53	0.313	0
IGLVIV-59	0.324	0
IGLVIV-64	0.319	0
IGLVIV-65	0.307	0
IGLVIV-66-1	0.316	0
IGLVV-58	0.308	0
IGLVV-66	0.303	0
IGLVVI-22-1	0.29	0
IGLVVI-25-1	0.3	0
IGLVVII-41-1	0.299	0
IGSF1	5.735	0
IGSF10	7.872	0
IGSF11	3.863	0.03
IGSF2	3.324	0.09
IGSF21	1.943	0
IGSF22	3.935	0.98
IGSF3	7.253	0.05
IGSF6	1.028	0.96
IGSF8	2.28	2.39
IGSF9	3.994	0.44
IGSF9B	7.298	0.02
IHH	1.236	0
IHPK1	4.856	32.29
IHPK2	3.642	21.73
IHPK3	2.614	0
IK	1.784	28.62
IKBKAP	5.902	2.43
IKBKB	3.916	5.4
IKBKE	3.263	0.73
IKBKG	2.103	13.32

IKIP	4.796	0.86
IKZF1	14.292	47.09
IKZF2	2.49	0.56
IKZF3	2.437	2.12
IKZF4	4.396	1.08
IKZF5	2.9	14.33
IL10	1.629	1.16
IL10RA	3.649	25.27
IL10RB	1.935	4.96
IL11	2.354	0
IL11RA	2.039	6.41
IL12A	1.437	2.76
IL12B	2.347	0
IL12RB1	2.872	1.21
IL12RB2	4.04	0.12
IL13	1.282	0
IL13RA1	4.006	6.35
IL13RA2	1.373	0
IL15	2.093	0.94
IL15RA	2.208	3.58
IL16	14.09	3.32
IL17A	1.859	0
IL17B	0.695	0.14
IL17C	1.045	0.1
IL17D	1.861	0.27
IL17F	0.808	0
IL17RA	4.007	6.18
IL17RB	4.303	0.07
IL17RC	2.736	5.35
IL17RD	4.455	0
IL17RE	5.878	0.54
IL18	1.145	4.24
IL18BP	2.452	2.75
IL18R1	3.522	0.84
IL18RAP	2.668	2.56
IL19	2.471	0
IL1A	2.928	0
IL1B	1.498	1.58
IL1F10	1.441	0
IL1F5	2.802	0
IL1F6	0.477	0
IL1F7	0.839	0
IL1F8	1.739	0
IL1F9	1.18	0
IL1R1	4.907	0.53
IL1R2	1.577	6.03
IL1RAP	5.662	2.93
IL1RAPL1	3.624	0
IL1RAPL2	2.985	0
IL1RL1	3.593	0.11

IL1RL2	1.964	0.05
IL1RN	2.353	0.51
IL2	1.029	0
IL20	1.234	0
IL20RA	3.682	0
IL21	0.616	0
IL21R	3.584	2.12
IL22	1.147	0
IL22RA1	2.798	0
IL22RA2	4.851	0
IL23A	1.042	0.67
IL23R	2.826	0
IL24	2.05	1.31
IL25	1.755	0
IL26	1.047	0
IL27	1.044	0
IL27RA	3.258	1.52
IL28A	0.734	0
IL28B	0.595	0
IL28RA	8.959	0.06
IL29	0.856	0
IL2RA	2.306	1.63
IL2RB	4.045	1.56
IL2RG	1.451	21.21
IL3	0.924	0
IL31	0.904	0
IL31RA	2.315	0
IL32	1.527	3.17
IL33	2.644	0
IL3RA	1.71	27.31
IL4	0.921	0
IL4I1	2.406	0.12
IL4R	3.862	9.48
IL5	0.816	0
IL5RA	3.005	0
IL6	2.25	0
IL6R	6.755	0.12
IL6ST	8.247	30.79
IL6STP	13.085	0.46
IL7	2.078	0
IL7R	3.309	14.47
IL8	1.653	3.35
IL8RA	2.486	1.51
IL8RB	2.859	0.38
IL8RBP	2.136	0
IL9	0.591	0
IL9R	7.78	0.04
IL9RP4	7.117	0
ILD1R1	2.659	0
ILF2	1.612	47.88

ILF3	8.965	35.02
ILK	2.14	9.8
ILKAP	2.424	7.63
ILVBL	2.786	8.06
IMAA	2.552	0.7
IMMMP1L	0.795	1.87
IMMMP2L	3.038	0.26
IMMT	2.697	8.55
IMMTP	2.823	0.49
IMP3	1.16	10.15
IMP4	1.049	22.82
IMP5	2.055	0
IMPA1	2.322	2.64
IMPA2	1.5	0.6
IMPACT	3.683	1.56
IMPAD1	3.267	7.36
IMPDH1	7.392	3.31
IMPDH2	2.396	57.11
IMPG1	3.268	0
IMPG2	4.454	0
INA	3.226	0.06
INADL	6.468	0.19
INCA	0.466	0.43
INCA1	1.383	0.79
INCENP	3.521	1.43
INDO	1.572	0
INDOL1	1.029	0
INE1	0.941	4.42
INE2	1.874	0.37
ING1	5.121	1.72
ING2	1.116	0.98
ING3	6.05	2.76
ING4	1.699	4.13
ING5	5.198	6.09
INGX	0.771	0
INHA	1.423	0
INHBA	4.35	0.04
INHBB	3.514	1.04
INHBC	1.99	0
INHBE	2.437	0
INMT	5.122	0.02
INOC1	6.592	16.46
INPP1	1.692	2.57
INPP4A	3.475	1.31
INPP4B	2.936	2.02
INPP5A	3.078	6.68
INPP5B	3.979	4.72
INPP5D	5.743	71.99
INPP5E	3.376	3.02
INPP5F	5.61	5.55

INPPL1	4.98	22.35
INS	0.45	0
INSC	1.807	0.11
INSIG1	14.232	1.34
INSIG2	2.583	1.64
INSL3	0.742	0.27
INSL4	0.615	0
INSL5	0.715	0
INSL6	0.708	0
INSM1	2.829	0
INSM2	3.013	0.04
INSR	8.558	48.35
INSRR	4.147	0
INTS1	14.895	7.01
INTS10	3.793	15.31
INTS12	1.701	4.3
INTS2	5.878	1.9
INTS3	4.482	17.77
INTS4	3.149	4.15
INTS5	3.285	4.91
INTS6	9.389	0.74
INTS7	3.462	1.08
INTS8	3.373	3.23
INTU	3.238	0
INVS	4.088	1.88
IPMK	1.797	0.66
IPO11	4.866	3.9
IPO13	3.593	1.81
IPO4	3.6	6.76
IPO7	3.754	5.56
IPO8	5.156	2.19
IPO9	3.126	3.42
IPP	3.053	0.04
IPPK	4.401	1.55
IPW	0.1	0
IQCA	3.188	0
IQCB1	2.766	7.65
IQCC	2.017	0.88
IQCD	1.35	0.07
IQCE	6.535	1.54
IQCF1	0.695	0
IQCF2	0.587	0
IQCF3	1.687	0
IQCG	2.244	0.61
IQCH	4.823	0.06
IQCK	2.554	0.43
IQGAP1	8.15	19.82
IQGAP2	5.767	2.04
IQGAP3	6.052	2.37
IQSEC1	5.818	17.11

IQSEC2	5.62	2.22
IQSEC3	2.699	0.04
IQUB	5.112	0
IQWD1	3.293	3.06
IRAK1	3.872	14.92
IRAK1BP1	1.157	0
IRAK2	3.469	0.57
IRAK3	2.567	20.31
IRAK4	2.813	4.68
IREB2	3.928	9.45
IRF1	2.935	46.18
IRF2	2.224	5.65
IRF2BP1	2.511	2.68
IRF2BP2	3.35	36.24
IRF3	1.595	29.03
IRF4	5.056	3.89
IRF5	6.302	0.43
IRF6	2.17	0
IRF7	2.59	2.98
IRF8	3.997	44.24
IRGC	1.586	0
IRGM	0.546	0.91
IRGQ	2.484	7.45
IRS1	5.8	2.34
IRS2	7.68	28.82
IRS3L	9.347	1.95
IRS4	3.94	0
IRX1	1.858	0
IRX1P1	8.386	0
IRX2	2.456	0
IRX3	2.308	0
IRX4	2.213	0
IRX5	2.064	0
IRX6	2.329	0
ISCA1	2.004	5.14
ISCA2	0.942	9.77
ISCU	1.198	16.27
ISG15	0.634	4.21
ISG20	2.284	38.47
ISG20L1	3.054	10.3
ISG20L2	2.051	4.15
ISGF3G	1.99	14.67
ISL1	2.396	0
ISL2	1.798	0.05
ISLR	2.385	0.2
ISLR2	4.184	0.14
ISOC1	2.054	0.24
ISOC2	1.122	1.94
ISX	3.383	0
ISY1	1.758	14.63

ISYNA1	1.825	3.58
ITCH	6.357	16.15
ITFG1	2.234	4.12
ITFG2	2.155	5.37
ITFG3	2.921	5.08
ITGA1	4.796	0.06
ITGA10	5.17	2.36
ITGA11	6.334	0.12
ITGA2	5.349	0.05
ITGA2B	3.334	0.2
ITGA3	6.002	0.02
ITGA4	8.64	37.85
ITGA5	5.395	90.46
ITGA6	12.095	62.05
ITGA7	4.065	0.34
ITGA8	3.261	0
ITGA9	4.876	11.53
ITGAD	3.912	0.03
ITGAE	3.866	2.23
ITGAL	5.121	7.98
ITGAM	4.742	2.61
ITGAV	7.022	1.27
ITGAX	4.649	2.64
ITGB1	6.55	28.06
ITGB1BP1	1.423	5.7
ITGB1BP2	1.235	1.6
ITGB1BP3	1.244	0
ITGB2	2.868	26.39
ITGB3	4.894	0
ITGB3BP	0.879	3.04
ITGB4	6.086	0.2
ITGB4BP	2.074	17.51
ITGB5	3.372	0.23
ITGB6	2.397	0
ITGB7	2.771	9.82
ITGB8	17.553	0
ITGBL1	2.494	0
ITIH1	2.911	0.04
ITIH2	3.189	0.06
ITIH3	2.797	1.7
ITIH4	3.26	5.04
ITIH5	7.384	0.03
ITIH5L	4.684	0
ITK	4.366	2.11
ITLN1	1.182	0
ITLN2	1.15	0.09
ITM2A	1.832	1.79
ITM2B	2.112	222.8
ITM2C	2.073	5.2
ITPA	1.14	9.38

ITPK1	3.197	8.51
ITPKA	1.773	0.12
ITPKB	6.151	9.89
ITPKC	3.385	0.47
ITPR1	13.031	22.01
ITPR2	10.523	1.16
ITPR3	8.834	5.76
ITSN1	7.951	0.5
ITSN2	8.249	13.5
IVD	2.49	6.32
IVL	2.135	0
IVNS1ABP	8.456	32.65
IWS1	2.95	9.36
IXL	3.567	8.71
IYD	7.401	0
IZUMO1	1.621	0
JAG1	5.881	0.17
JAG2	5.077	0.39
JAGN1	1.655	7.06
JAK1	5.286	26.35
JAK2	5.097	2.79
JAK3	4.025	6.29
JAKMIP1	2.549	0.08
JAKMIP2	3.338	0.03
JAM2	1.693	0
JAM3	3.667	0.29
JARID1A	7.024	25.25
JARID1B	6.458	13.4
JARID1C	6.493	24.73
JARID1D	5.487	17.66
JARID2	14.431	32.15
JAZF1	6.4	0.16
JDP2	1.696	33.77
JMJD1A	4.718	24.79
JMJD1B	6.813	14.57
JMJD1C	10.104	45.34
JMJD2A	4.417	8
JMJD2B	5.943	13.98
JMJD2C	4.227	4.1
JMJD2D	2.974	0.2
JMJD3	6.704	3.38
JMJD4	2.55	8.22
JMJD5	2.416	1.1
JMJD6	1.84	13.01
JMY	2.677	11.39
JOSD1	3.52	29.73
JOSD2	0.769	2.32
JOSD3	2.722	43.43
JPH1	4.373	0.09
JPH2	5.941	0.1

JPH3	3.997	0
JPH4	4.386	3.05
JRK	3.98	0.32
JRKL	2.914	0.44
JSRP1	1.107	0
JTB	1.574	29.04
JTV1	2.438	2.8
JUB	4.946	0.02
JUN	3.323	53.56
JUNB	1.816	73.27
JUND	1.899	541.94
JUP	4.323	72.32
KAAG1	1.382	0
KAL1	6.314	0.02
KALP	0.184	0
KALRN	12.55	2.88
KARCA1	2.485	0
KARS	1.997	33.68
KATNA1	1.521	4.68
KATNAL1	8.215	6.07
KATNAL2	1.882	0.68
KATNB1	2.646	4.83
KAZALD1	3.988	15.75
KBTBD10	2.464	0
KBTBD11	6.71	3.14
KBTBD2	7.216	16.47
KBTBD3	3.952	0.2
KBTBD4	3.245	13.35
KBTBD5	2.419	0
KBTBD6	5.228	0.7
KBTBD7	2.992	1.12
KBTBD8	4.617	2.52
KC6	1.713	0
KCMF1	2.39	21.45
KCNA1	1.488	0
KCNA10	1.959	0
KCNA2	2.125	0
KCNA3	3.346	1.07
KCNA4	3.613	0.03
KCNA5	2.865	9.19
KCNA6	4.237	0.05
KCNA7	4.372	0
KCNAB1	6.73	0.04
KCNAB2	3.171	9.42
KCNAB3	1.608	0.92
KCNB1	3.756	0
KCNB2	3.582	0
KCNC1	1.546	0
KCNC2	3.654	0
KCNC3	4.096	5.65

KCNC4	5.954	0.02
KCND1	4.72	1.56
KCND2	10.666	0
KCND3	2.693	0
KCNE1	3.57	0.11
KCNE1L	1.465	0.07
KCNE2	0.803	0
KCNE3	2.519	10.37
KCNE4	1.17	0
KCNF1	2.289	0
KCNG1	4.096	0
KCNG2	1.401	0.07
KCNG3	4.456	0
KCNG4	3.759	0
KCNH1	3.601	0
KCNH2	10.67	0.02
KCNH3	3.853	0.08
KCNH4	3.92	0
KCNH5	5.196	0
KCNH6	3.881	0.03
KCNH7	4.514	0
KCNH8	5.063	0.02
KCNIP1	2.127	0.04
KCNIP2	4.472	0.31
KCNIP3	3.017	0
KCNIP4	2.925	0.1
KCNJ1	4.109	0
KCNJ10	4.44	0
KCNJ11	3.412	0
KCNJ12	1.796	0
KCNJ13	2.947	0.23
KCNJ14	3.525	0.87
KCNJ15	3.156	0.1
KCNJ16	4.409	0
KCNJ2	5.388	0.02
KCNJ3	2.89	0
KCNJ4	2.121	0
KCNJ5	2.912	0
KCNJ6	2.485	0
KCNJ8	2.381	0
KCNJ9	3.029	0
KCNK1	1.887	0
KCNK10	3.139	0
KCNK12	1.425	7.15
KCNK13	2.517	0.08
KCNK15	1.246	0
KCNK16	1.226	0
KCNK17	1.52	0.26
KCNK18	1.155	0
KCNK2	3.695	0

KCNK3	2.592	1.26
KCNK4	1.81	0
KCNK5	3.783	0.11
KCNK6	2.662	0.15
KCNK7	3.346	0.47
KCNK9	1.303	0
KCNMA1	14.632	0.02
KCNMB1	1.517	0.59
KCNMB2	2.775	0
KCNMB3	3.904	1.4
KCNMB3L	1.94	0.25
KCNMB4	1.631	0.06
KCNN1	2.657	0.04
KCNN2	3.057	0
KCNN3	3.228	0.68
KCNN4	2.24	2.04
KCNQ1	3.762	0.16
KCNQ1DN	1.093	0
KCNQ1OT1	0.592	0
KCNQ2	4.169	0
KCNQ3	3.097	0
KCNQ4	2.335	0.12
KCNQ5	3.325	0
KCNRG	2.334	1.1
KCNS1	4.539	0
KCNS2	3.168	0.04
KCNS3	2.33	17.71
KCNT1	4.823	0
KCNT2	5.909	0
KCNV1	2.929	0
KCNV2	1.882	0
KCTD1	1.747	0
KCTD10	3.97	9.07
KCTD11	2.78	0
KCTD12	6.214	0.92
KCTD13	1.711	6.02
KCTD14	1.637	0
KCTD15	3.398	2.56
KCTD16	5.183	0
KCTD17	1.854	9.5
KCTD18	2.94	6.46
KCTD2	3.698	4.18
KCTD20	5.216	10.38
KCTD21	3.381	0.03
KCTD3	4.016	18.35
KCTD4	1.865	0.11
KCTD5	2.46	4.9
KCTD6	1.825	1.3
KCTD7	5.15	3.23
KCTD8	2.24	0

KCTD9	3.338	2.04
KDELC1	2.06	0.04
KDELC2	4.255	1.31
KDELR1	1.557	28.21
KDELR2	2.306	5.1
KDELR3	2.127	0.19
KDR	5.832	0
KEAP1	2.701	4.91
KEL	5.095	0.08
KERA	2.533	0
KGFLP1	1.89	0
KGFLP2	3.666	0
KHDRBS1	2.685	38.88
KHDRBS2	2.332	0.04
KHDRBS3	1.957	6.77
KHK	2.027	0.04
KHSRP	4.002	25.41
KIAA0020	2.112	3.84
KIAA0040	4.564	13.27
KIAA0082	4.464	16.44
KIAA0090	4.238	3.22
KIAA0100	7.431	11.26
KIAA0101	2.586	1.08
KIAA0125	7.899	0.14
KIAA0133	5.613	0.61
KIAA0141	3.039	13.45
KIAA0143	5.313	11.51
KIAA0146	3.22	2.18
KIAA0152	6.349	4.28
KIAA0157	2.951	5.83
KIAA0174	3.552	95.4
KIAA0179	5.087	2.65
KIAA0182	7.395	9.02
KIAA0195	4.985	9.88
KIAA0196	3.911	4.78
KIAA0226	7.009	10.27
KIAA0232	7.84	3.52
KIAA0240	6.515	1.11
KIAA0241	4.706	1.49
KIAA0247	5.614	19.85
KIAA0251	4.495	12.08
KIAA0256	6.779	25.55
KIAA0258	1.296	2.29
KIAA0265	8.942	1.32
KIAA0274	3.061	0.68
KIAA0284	6.549	0.11
KIAA0286	5.37	1.97
KIAA0310	9.319	9.87
KIAA0317	5.445	21.38
KIAA0319	6.805	0

KIAA0319L	7.376	3.68
KIAA0323	7.128	28.5
KIAA0329	8.607	0.36
KIAA0350	7.02	2.51
KIAA0355	6.622	2.44
KIAA0363	10.771	0.11
KIAA0367	11.705	0.76
KIAA0368	7.391	7.35
KIAA0372	5.164	8.39
KIAA0391	2.954	7.97
KIAA0404	8.389	27.45
KIAA0406	3.914	1.52
KIAA0408	6.449	0.02
KIAA0409	1.674	8.86
KIAA0415	5.78	5.88
KIAA0423	6.242	1.3
KIAA0427	5.736	2.53
KIAA0430	8.349	12.01
KIAA0460	5.638	10.12
KIAA0467	10.217	5.33
KIAA0492	6.259	0.44
KIAA0494	5.765	5.7
KIAA0495	4.033	2.23
KIAA0513	7.361	0.43
KIAA0523	5.821	0.02
KIAA0528	4.408	5.16
KIAA0556	6.618	2.47
KIAA0562	5.846	1.46
KIAA0586	4.966	0.76
KIAA0644	9.917	0.04
KIAA0649	4.932	0.12
KIAA0652	4.183	27.88
KIAA0664	5.224	5.48
KIAA0672	4.228	0.14
KIAA0692	6.321	34.18
KIAA0701	5.437	2.05
KIAA0737	4.988	13.98
KIAA0738	8.152	0.56
KIAA0746	4.383	1.54
KIAA0748	3.673	2.35
KIAA0753	4.424	0.78
KIAA0754	6.171	0.28
KIAA0773	18.486	0.02
KIAA0774	5.193	0.78
KIAA0776	4.408	8.73
KIAA0789	4.636	0
KIAA0802	7.427	7.78
KIAA0828	10.669	2.02
KIAA0831	4.742	15.4
KIAA0841	4.004	5.64

KIAA0859	4.834	1.35
KIAA0892	3.986	15.69
KIAA0895	8.31	0.01
KIAA0907	2.945	12.1
KIAA0913	4.329	21.19
KIAA0922	5.209	18.56
KIAA0947	8.577	3.67
KIAA0953	4.218	0.14
KIAA0984	8.019	0
KIAA0999	6.069	6.04
KIAA1005	5.297	0.32
KIAA1009	5.051	0.6
KIAA1012	5.465	4.19
KIAA1024	6.717	0.02
KIAA1026	2.891	0
KIAA1033	6.679	18.86
KIAA1045	6.191	0
KIAA1086	4.768	0
KIAA1109	15.575	3.26
KIAA1128	7.676	3.14
KIAA1143	0.832	11.18
KIAA1147	14.592	5.07
KIAA1155	6.208	0.19
KIAA1161	4.171	0.1
KIAA1166	2.156	9.23
KIAA1189	5.428	19.05
KIAA1191	2.786	4.48
KIAA1199	7.08	0.31
KIAA1212	9.638	7.04
KIAA1217	7.381	0.03
KIAA1219	8.636	5.16
KIAA1239	7.477	0
KIAA1244	8.658	0
KIAA1257	6.094	0.02
KIAA1267	4.965	23.57
KIAA1274	4.568	10.98
KIAA1276	4.236	1.45
KIAA1279	2.528	0.94
KIAA1303	6.856	3.93
KIAA1305	7.857	0.57
KIAA1324	3.398	0.09
KIAA1324L	6.56	0.03
KIAA1328	4.854	0.51
KIAA1333	5.533	1.93
KIAA1344	4.552	1.32
KIAA1345	4.89	0.1
KIAA1370	6.365	11.84
KIAA1377	7.033	0.05
KIAA1383	5.455	1.27
KIAA1394	5.067	0.62

KIAA1407	3.976	0.87
KIAA1409	8.471	0.08
KIAA1411	5.282	0.45
KIAA1429	6.538	6.67
KIAA1430	2.895	1.06
KIAA1432	5.674	19.72
KIAA1446	2.673	0.67
KIAA1456	5.752	0
KIAA1462	13.553	1.12
KIAA1467	4.711	0.36
KIAA1468	3.396	6.23
KIAA1486	4.828	0
KIAA1505	6.666	0.11
KIAA1509	7.965	17.31
KIAA1522	5.294	1.05
KIAA1524	3.378	0.61
KIAA1529	6.269	0.08
KIAA1530	4.56	4.54
KIAA1539	3.028	2.12
KIAA1542	5.521	13.41
KIAA1543	4.084	0
KIAA1545	4.913	19.82
KIAA1546	9.233	2.84
KIAA1549	13.602	0.02
KIAA1553	6.01	0.74
KIAA1571	10.162	0.02
KIAA1576	3.769	0.05
KIAA1586	2.868	1.24
KIAA1598	3.415	0
KIAA1600	5.69	20.8
KIAA1604	3.145	4.44
KIAA1609	3.895	0.61
KIAA1614	6.999	0.09
KIAA1618	5.318	1.88
KIAA1622	4.322	0
KIAA1627	2.12	5.7
KIAA1632	12.698	6.76
KIAA1639	5.337	0.31
KIAA1641	2.405	2.22
KIAA1644	6.741	0
KIAA1666	6.105	0
KIAA1683	3.757	4.48
KIAA1688	5.146	0.02
KIAA1704	1.393	3.77
KIAA1706	9.374	0.36
KIAA1712	4.503	1.01
KIAA1715	5.765	0.67
KIAA1718	18.356	1.14
KIAA1727	6.47	0.06
KIAA1729	6.936	2.41

KIAA1737	4.348	6.41
KIAA1751	4.71	0
KIAA1754	5.119	24.32
KIAA1754L	4.585	2.74
KIAA1772	4.949	0
KIAA1787	5.357	2.42
KIAA1794	4.569	3.16
KIAA1797	6.095	0.13
KIAA1799	2.106	0.84
KIAA1804	4.666	0.06
KIAA1815	5.341	1.23
KIAA1822	2.238	0
KIAA1822L	2.504	0
KIAA1826	4.087	1.74
KIAA1833	3.808	1.27
KIAA1840	7.788	3.56
KIAA1841	3.116	0.48
KIAA1853	8.382	0
KIAA1856	10.622	1.47
KIAA1875	5.187	1
KIAA1881	6.353	0.76
KIAA1909	11.507	0.23
KIAA1913	5.023	0.04
KIAA1919	2.079	0.57
KIAA1920	8.555	0.01
KIAA1922	1.248	2.14
KIAA1946	3.557	0
KIAA1949	10.736	0.84
KIAA1957	3.24	0.03
KIAA1958	2.683	0.92
KIAA1967	4.346	20.67
KIAA1975	3.182	0
KIAA1984	1.704	1.68
KIAA2002	11.249	4.12
KIAA2013	2.341	4.61
KIAA2018	9.429	5.89
KIAA2026	4.673	1.84
KIDINS220	7.263	8.95
KIF11	4.91	1.25
KIF12	2.003	0
KIF13A	5.852	0.3
KIF13B	11.082	5.96
KIF14	6.595	0.35
KIF15	4.758	0.42
KIF17	3.969	0.03
KIF18A	3.361	0.88
KIF19	2.094	0.1
KIF1A	8.816	0
KIF1B	14.126	3.18
KIF1C	4.188	2.79

KIF20A	2.961	0.8
KIF21A	6.328	0.04
KIF21B	9.895	1.84
KIF22	2.096	6.98
KIF23	3.618	0.66
KIF25	1.51	0
KIF26A	7.237	0.75
KIF26B	8.365	0.07
KIF27	4.653	0.56
KIF2A	2.872	7.79
KIF2B	2.312	0
KIF2C	2.797	1.52
KIF3A	6.257	0.11
KIF3B	6.103	2.09
KIF3C	5.379	2.03
KIF4A	4.348	0.28
KIF5A	3.897	0
KIF5B	4.293	16.96
KIF5C	0.704	0
KIF6	2.917	0
KIF7	3.121	1.64
KIF9	3.403	1.19
KIFAP3	2.997	3.04
KIFC1	4.708	1.11
KIFC2	3.248	7.43
KIFC3	3.366	5.29
KIN	1.906	2.54
KIR2DL1	1.583	0
KIR2DL2	1.572	0
KIR2DL3	1.896	0.05
KIR2DL4	1.581	0
KIR2DL5A	1.596	0
KIR2DL5B	1.632	0
KIR2DP1	4.557	0
KIR2DS1	1.101	0
KIR2DS2	1.557	0
KIR2DS3	1.113	0
KIR2DS4	2.246	0
KIR2DS5	1.457	0
KIR3DL1	1.861	0
KIR3DL2	1.854	0.11
KIR3DL3	1.691	0
KIR3DP1	0.1	0
KIR3DX1	11.432	0.05
KIRREL	3.309	1.73
KIRREL2	3.133	0.04
KIRREL3	2.495	0.04
KISS1	0.709	0
KISS1R	1.607	0
KIT	5.084	0.23

KITLG	5.435	0
KL	8.714	0.04
KLB	3.279	0
KLC1	7.373	15.24
KLC2	2.916	0.92
KLC3	1.793	0.22
KLC4	3.555	4.15
KLF1	1.615	0.43
KLF10	4.575	17.76
KLF11	4.03	5.16
KLF12	11.614	0.38
KLF13	6.8	106.08
KLF14	2.767	0
KLF15	2.525	0.39
KLF16	2.887	8.12
KLF17	3.131	0
KLF2	2.035	257.18
KLF3	6.564	45.29
KLF4	2.639	17.51
KLF5	3.35	0.09
KLF6	4.521	72.56
KLF7	10.632	34.14
KLF8	2.544	2.77
KLF9	5.208	65.64
KLHDC1	2.627	0.57
KLHDC2	1.806	34.24
KLHDC3	2.387	36.1
KLHDC4	1.874	7.65
KLHDC5	6.469	2.63
KLHDC6	4.121	0
KLHDC7A	2.434	0
KLHDC7B	2.082	0
KLHDC8A	2.5	0
KLHDC8B	1.935	0.46
KLHL1	3.984	0
KLHL10	1.969	0
KLHL11	2.326	0.89
KLHL12	3.338	5.04
KLHL13	3.125	0.04
KLHL14	4.261	1.77
KLHL15	2.62	12.04
KLHL17	2.56	0.62
KLHL18	4.616	3.68
KLHL2	5.813	54.02
KLHL20	3.464	6.91
KLHL21	4.487	3.75
KLHL22	2.568	2.2
KLHL23	2.211	0.04
KLHL24	9.309	38.42
KLHL25	3.518	0.48

KLHL26	3.122	3.46
KLHL28	2.028	1.9
KLHL29	5.047	1.41
KLHL3	6.49	2.73
KLHL30	3.557	0
KLHL31	1.905	0
KLHL32	3.329	0
KLHL34	2.84	0
KLHL4	6.029	0
KLHL5	4.021	15.95
KLHL6	6.959	14.02
KLHL7	9.232	0.3
KLHL8	4.576	0.91
KLHL9	4.352	4.25
CLK1	0.874	0.34
CLK10	1.661	0
CLK11	1.441	0
CLK12	1.677	0
CLK13	1.258	0
CLK14	1.133	0.18
CLK15	2.932	0
CLK2	7.498	0.05
CLK3	3.489	0
CLK4	1.347	0
CLK5	1.495	0
CLK6	2.542	0
CLK7	1.971	0
CLK8	1.515	0
CLK9	1.438	0
CLKB1	2.247	0
KLkbl4	1.81	0
CLKP1	15.428	0.01
KLRA1	1.243	0.08
KLRB1	0.74	3.74
KLRC1	1.515	0
KLRC2	1.221	0
KLRC3	1.236	0.56
KLRC4	0.965	0
KLRD1	1.368	0.65
KLRF1	1.242	0.24
KLRG1	1.791	0
KLRG2	3.088	0.04
KLRK1	1.75	1.81
KMO	4.987	0.39
KNDC1	7.122	0.02
KNG1	1.665	0
KNTC1	6.965	2
KPNA1	6.887	10.16
KPNA2	1.98	10.19
KPNA3	4.456	6.24

KPNA4	3.802	19.13
KPNA5	2.158	2.84
KPNA6	6.038	11.55
KPNB1	4.201	32.92
KPRP	2.523	0
KPTN	1.64	1.81
KRAS	10.087	10.78
KRBA1	8.035	0.79
KRBA2	1.964	0.15
KRCC1	1.753	1.18
KREMEN1	6.562	0.36
KREMEN2	2.625	0
KRIT1	12.456	0.98
KRR1	3.659	8.03
KRT1	2.507	0.24
KRT10	2.124	5.82
KRT12	1.867	0.11
KRT121P	9.724	0
KRT122P	4.517	0
KRT123P	13.267	0
KRT124P	5.18	0
KRT126P	1.371	0
KRT13	2.097	0
KRT14	1.634	0
KRT15	1.709	0
KRT16	1.658	0
KRT17	1.499	0
KRT18	1.536	0
KRT18L1	1.411	0
KRT18P1	3.819	0
KRT18P10	1.393	0
KRT18P3	1.291	0
KRT19	1.464	0
KRT2	2.414	0
KRT20	1.737	0
KRT222P	1.048	0
KRT223P	5.694	0
KRT23	2.147	0
KRT24	1.881	0
KRT25	1.651	0
KRT26	1.73	0
KRT27	1.612	1.16
KRT28	1.628	0.24
KRT3	2.232	0
KRT31	1.596	0
KRT32	1.708	0
KRT33A	1.252	0
KRT33B	1.602	0
KRT34	1.713	0
KRT35	1.671	0

KRT36	1.644	0
KRT37	1.718	0
KRT38	2.837	0
KRT39	1.696	0
KRT4	2.575	0.08
KRT40	2.112	0
KRT41P	6.661	0
KRT42P	0.563	0
KRT5	2.301	0
KRT6A	2.27	0
KRT6B	2.217	0
KRT6C	1.984	0
KRT6L	2.066	0
KRT7	1.702	0.46
KRT71	2.237	0
KRT72	1.985	0.25
KRT73	2.284	0.17
KRT74	2.788	0
KRT75	2.121	0
KRT76	2.505	0
KRT77	3.072	0
KRT78	1.778	0
KRT8	1.788	0.05
KRT80	3.39	0
KRT81	1.91	0
KRT82	2.681	0
KRT83	1.864	0
KRT84	2.073	0
KRT85	2.491	0
KRT86	2.091	0
KRT8L1	1.5	0
KRT8L2	1.689	0.36
KRT9	2.287	0
KRTAP10-1	1.011	0
KRTAP10-10	1.1	0
KRTAP10-11	1.007	0
KRTAP10-12	0.873	0
KRTAP10-2	1.071	0
KRTAP10-3	0.738	0
KRTAP10-4	1.382	0
KRTAP10-5	0.918	0
KRTAP10-6	1.238	0
KRTAP10-7	1.183	0
KRTAP10-8	0.876	0
KRTAP10-9	1.179	0
KRTAP1-1	0.903	0
KRTAP11-1	0.912	0
KRTAP12-1	0.588	0
KRTAP12-2	0.739	0
KRTAP12-3	0.41	0

KRTAP12-4	0.447	0
KRTAP1-3	0.972	0
KRTAP13-1	0.582	0
KRTAP13-2	0.823	0
KRTAP13-3	0.52	0
KRTAP13-4	0.483	0
KRTAP13P1	0.3	0
KRTAP13P2	0.101	0
KRTAP1-5	1.177	0
KRTAP15-1	0.453	0
KRTAP17-1	0.779	0
KRTAP19-1	0.273	0
KRTAP19-2	0.159	0
KRTAP19-3	0.494	0
KRTAP19-4	0.255	0
KRTAP19-5	0.219	0
KRTAP19-6	0.33	0
KRTAP19-7	0.192	0
KRTAP19-8	0.318	0
KRTAP19P1	0.203	0
KRTAP19P2	0.252	0
KRTAP19P3	0.231	0
KRTAP19P4	0.135	0
KRTAP20-1	0.171	0
KRTAP20-2	0.198	0
KRTAP2-1	0.791	0
KRTAP21-1	0.24	0
KRTAP21-2	0.252	0
KRTAP2-2	0.883	0
KRTAP22-1	0.147	0
KRTAP23-1	0.208	0
KRTAP2-4	0.764	0
KRTAP24-1	0.765	0
KRTAP26-1	1.159	0
KRTAP27-1	0.624	0
KRTAP2P1	0.401	0
KRTAP3-1	0.594	0
KRTAP3-2	0.694	0
KRTAP3-3	0.704	0
KRTAP3P1	0.24	0
KRTAP4-10	0.739	0
KRTAP4-12	1.077	0.09
KRTAP4-14	1.18	0
KRTAP4-15	1.209	0
KRTAP4-2	0.763	0
KRTAP4-3	0.942	0
KRTAP4-4	1.079	0
KRTAP4-5	0.879	0
KRTAP4-7	1.149	0
KRTAP4-8	1.134	0

KRTAP4P1	0.708	0
KRTAP5-1	0.942	0
KRTAP5-10	1.058	0
KRTAP5-11	0.882	0
KRTAP5-2	1.118	0
KRTAP5-3	0.899	0
KRTAP5-4	0.927	0.11
KRTAP5-6	0.561	0
KRTAP5-7	0.898	0.11
KRTAP5-8	0.584	0
KRTAP5-9	1.024	0.1
KRTAP6-1	0.219	0
KRTAP6-2	0.189	0
KRTAP6-3	0.616	0
KRTAP7-1	0.695	0
KRTAP8-1	0.556	0
KRTAP8P1	0.123	0
KRTAP8P2	0.111	0
KRTAP9-2	1.005	0
KRTAP9-3	0.992	0
KRTAP9-4	0.967	0
KRTAP9-5	0.861	0
KRTAP9-8	0.526	0
KRTAP9P1	0.525	0
KRTCAP2	0.547	39.07
KRTCAP3	0.857	1.39
KRTHB4	1.777	1.22
KRTHB5	0.514	6.16
KSR1	4.491	1.28
KSR2	2.49	0.48
KTELC1	4.242	0.63
KTI12	1.696	7.94
KTN1	4.793	9.47
Kua	2.187	6.47
Kua-UEV	3.624	15.07
KU-MEL-3	1.143	0
KY	2.045	0
KYNU	1.928	0.15
L1CAM	4.525	0.02
L1TD1	3.042	0
L2HGDH	2.064	0.68
L3MBTL	3.833	0.54
L3MBTL2	4.43	1.92
L3MBTL3	4.2	1.67
L3MBTL4	4.525	0.15
LACE1	2.262	0.13
LACRT	0.508	0
LACTB	2.282	1.25
LACTB2	1.508	0.06
LAD1	2.839	0

LAG3	1.99	0.75
LAGE3	0.943	4.41
LAIR1	4.049	63.06
LAIR2	0.699	5.52
LALBA	0.728	0
LAMA1	9.515	0
LAMA2	9.637	0
LAMA3	10.68	1.62
LAMA4	6.297	0
LAMA5	11.426	0.31
LAMB1	11.659	0.44
LAMB2	5.808	9.95
LAMB3	4.454	0.02
LAMB4	11.708	0.03
LAMC1	7.931	0.81
LAMC2	6.155	0
LAMC3	5.098	0
LAMP1	3.26	43.61
LAMP2	4.651	6.43
LAMP3	3.297	0
LANCL1	4.54	7.93
LANCL2	8.706	1.93
LANCL3	3.331	0.03
LAP3	2.1	9.38
LAPTM4A	1.7	53.02
LAPTM4B	2.238	12.86
LAPTM5	2.223	1354.14
LARGE	4.194	8.94
LARP1	7.458	8.57
LARP2	6.247	0.87
LARP4	6.634	1.41
LARP5	5.64	7.87
LARP6	2.343	0
LARP7	1.437	5.64
LARS	4.244	4.08
LARS2	4.203	2.28
LAS1L	2.466	16.81
LASP1	3.845	15.52
LASS1	2.094	0
LASS1-GDF1	0.1	0
LASS2	2.43	20.35
LASS3	3.894	0
LASS4	1.774	0.05
LASS5	1.945	12.92
LASS6	6.538	13.94
LAT	2.037	1.99
LAT1-3TM	0.615	1.77
LAT2	4.62	10
LATS1	4.755	4.97
LATS2	5.589	12.85

LAX1	3.245	2.9
LAYN	2.066	3.4
LBA1	10.815	3.42
LBH	2.928	10.99
LBP	1.823	0
LBR	5.413	25.61
LBX1	1.285	0
LBX2	1.452	0.14
LBXCOR1	2.766	0.36
LCAP	1.391	0
LCAT	1.354	0.73
LCE1A	0.333	0
LCE1B	1.139	0
LCE1C	0.695	0
LCE1D	0.345	0
LCE1E	1.18	0
LCE1F	0.357	0
LCE2A	0.592	0
LCE2B	0.612	0
LCE2C	0.614	0
LCE2D	0.609	0
LCE3A	0.27	0
LCE3B	0.288	0
LCE3C	0.285	0
LCE3D	0.61	0
LCE3E	0.611	0
LCE4A	0.3	0
LCE5A	0.819	0
LCK	2.019	2.45
LCMT1	1.37	9.32
LCMT2	2.918	0.99
LCN1	0.779	0
LCN10	0.564	3.16
LCN12	0.689	0.14
LCN2	0.845	19.32
LCN6	1.195	12.26
LCN8	0.918	0.65
LCN9	0.531	0
LCOR	5.445	4.38
LCORL	3.463	1
LCP1	3.724	70.46
LCP2	2.422	10.62
LCT	6.274	0.02
LCTL	2.016	0.2
LDB1	3.824	42.38
LDB2	2.443	0.28
LDB3	4.714	10.74
LDHA	1.661	64.09
LDHAL1	1.644	0.24
LDHAL4	1.665	4.81

LDHAL6A	2.526	0
LDHAL6B	1.673	0
LDHB	1.303	120.42
LDHBP	1.004	18.33
LDHC	1.33	0.29
LDHD	2.267	0
LDLR	5.174	3.87
LDLRAD1	0.785	0
LDLRAD2	4.012	1.26
LDLRAD3	2.969	0
LDLRAP1	2.845	8.31
LDOC1	1.381	0.07
LDOC1L	5.324	0.41
LEAP2	1.856	0.53
LECT1	1.66	0.24
LECT2	1.077	0
LEF1	14.59	52.71
LEFTY1	1.616	0
LEFTY2	2.019	0
LEFTY3	0.297	0
LELP1	0.523	0
LEMD1	0.779	0
LEMD2	3.943	16.09
LEMD3	4.931	25.28
LENEP	0.649	0
LENG1	0.89	4.89
LENG4	2.529	12.44
LENG8	5.661	177.56
LENG9	1.919	3.2
LEO1	2.148	1.8
LEP	6.852	0
LEPR	7.663	2.93
LEPRE1	3.192	8.27
LEPREL1	3.404	0
LEPREL2	2.892	0.34
LEPROT	1.147	11.39
LEPROTL1	2.682	10.96
LETM1	3.908	2.31
LETM2	1.631	0.97
LETMD1	3.89	12.16
LFNG	5.362	1.49
LGALS1	0.558	8.51
LGALS12	1.694	0.06
LGALS13	0.595	0
LGALS14	1.321	0
LGALS2	0.528	0.75
LGALS3	0.91	9.89
LGALS3BP	2.258	22.48
LGALS4	1.117	0.71
LGALS7	0.483	0

LGALS8	3.378	9.81
LGALS9	1.696	20.36
LGI1	2.254	0
LGI2	3.321	0
LGI3	3.266	0
LGI4	2.814	5.03
LGICZ1	1.289	4.45
LGMIN	2.138	16.01
LGMIN2P	1.979	3.2
LGP2	2.613	3.87
LGR4	5.206	0.21
LGR5	2.88	1.89
LGR6	3.64	0.36
LGTN	2.097	29.58
LHB	0.523	0
LHCGR	2.976	0
LHFP	2.003	11.01
LHFPL1	1.672	0
LHFPL2	4.429	0.07
LHFPL3	3.704	0.05
LHFPL4	1.444	0
LHFPL5	2.147	0
LHPP	2.041	4.36
LHX1	2.283	0
LHX2	2.416	0
LHX3	2.579	0
LHX4	1.87	0.05
LHX5	2.084	0
LHX6	5.527	0
LHX8	2.373	0
LHX9	2.689	0
LIAS	2.321	1.57
LIF	3.872	0.1
LIFR	10.079	0.12
LIG1	3.083	4.04
LIG3	3.856	2.69
LIG4	4.224	0.8
LILRA1	1.91	3.99
LILRA2	3.212	40.91
LILRA3	1.577	1.32
LILRA4	1.708	0.06
LILRA5	2.202	1.26
LILRA6	1.395	0.21
LILRB1	2.971	7.49
LILRB2	2.197	17.97
LILRB3	2.17	1.14
LILRB4	3.721	0.16
LILRB5	2.087	0
LILRP1	2.104	0.05
LILRP2	6.176	0.02

LIM2	0.97	0
LIMA1	3.649	0.24
LIMD1	6.792	31.67
LIMD2	4.029	107.65
LIME1	1.178	3.61
LIMK1	6.664	1.04
LIMK2	5.299	8.19
LIMS1	1.531	0.65
LIMS2	2.111	0.1
LIMS3	0.956	0
LIN28	4.014	0
LIN28B	5.504	0
LIN52	0.576	3.61
LIN54	5.756	0.59
LIN7A	1.23	0.16
LIN7B	0.755	0.78
LIN7C	4.671	4.11
LIN9	3.328	0.09
LINCR	1.461	0
LINGO1	2.932	0
LINGO2	2.792	0
LINGO4	2.606	0
LINS1	2.386	2.04
LIPA	2.624	6.52
LIPC	1.603	0.61
LIPE	3.806	0.23
LIPF	1.365	0
LIPG	4.141	0.03
LIPH	2.474	0
LIPI	1.636	0
LIPJ	1.483	0
LIPK	1.2	0
LIPM	1.197	0
LIPN	1.413	0.14
LIPT1	1.722	2.24
LITAF	2.356	62.44
LIX1	3.886	0
LIX1L	1.401	4.31
LLGL1	4.225	1.76
LLGL2	4.258	1.14
LMAN1	3.063	8.27
LMAN1L	1.736	0
LMAN2	1.581	28.6
LMAN2L	2.398	1.16
LMBR1	5.532	1.77
LMBR1L	4.744	38.4
LMBRD1	2.039	12.27
LMBRD2	3.237	0.12
LMCD1	1.734	1.77
LMLN	2.02	0

LMNA	3.393	16.39
LMNB1	2.882	6.49
LMNB2	4.635	6.7
LMO1	1.274	0.15
LMO2	2.56	25.62
LMO3	3.882	0
LMO4	2.29	9.85
LMO6	1.99	1.15
LMO7	7.233	1.91
LMOD1	3.85	0
LMOD3	4.069	0.1
LMTK2	11.523	2.4
LMTK3	4.972	0.08
LMX1A	3.851	0
LMX1B	1.119	0
LNPEP	6.668	4.79
LNK1	3.74	0.21
LNK2	5.189	6.44
LOC112703	1.225	1.46
LOC113179	1.58	0.56
LOC113230	1.425	0.28
LOC113386	1.397	11.76
LOC114984	0.878	0.79
LOC115648	1.665	2.14
LOC116143	2.244	0.18
LOC116236	2.739	3.54
LOC116349	0.456	0.65
LOC116412	2.309	0.12
LOC116437	0.493	0
LOC118945	5.077	0
LOC119358	0.354	10.34
LOC119722	1.304	0
LOC120126	1.182	0
LOC120318	0.747	5.83
LOC120321	6.677	0.19
LOC120364	0.966	0.41
LOC120376	1.672	0.42
LOC120449	1.292	0
LOC120824	1.359	0
LOC120872	0.742	0.4
LOC121006	5.025	0
LOC121014	2.191	0
LOC121054	1.279	0
LOC121296	13.556	0
LOC121456	32.275	0.08
LOC121498	1.142	0
LOC121520	1.279	0.23
LOC121727	4.517	0
LOC121792	1.146	1.03
LOC121838	0.938	0

LOC121906	10.674	0.12
LOC121952	0.723	0
LOC122145	1.796	0
LOC122423	0.864	0
LOC122589	1.025	0.87
LOC122592	4.793	0.02
LOC122867	0.509	21.57
LOC123103	1.362	0.07
LOC123688	2.18	0.09
LOC123855	3.259	0.12
LOC123862	0.401	0.25
LOC123876	2.322	0
LOC124199	3.087	1.41
LOC124220	0.828	0.48
LOC124446	1.437	44.4
LOC124496	0.76	10.94
LOC124512	1.025	8.01
LOC124865	0.703	0.28
LOC124974	0.8	0.37
LOC125208	0.911	214.49
LOC125242	0.246	0
LOC126075	3.259	2
LOC126147	1.836	1.24
LOC126170	0.48	0.2
LOC126235	0.868	0.8
LOC126242	0.95	6.67
LOC126506	1.958	1.01
LOC126520	1.933	0
LOC126536	3.102	0
LOC126661	1.031	2.2
LOC126811	8.059	0
LOC126860	0.492	0
LOC126987	3.724	0
LOC127011	1.034	1.63
LOC127086	3.465	0.11
LOC127099	0.351	1.13
LOC127295	0.243	132.73
LOC127406	0.522	0
LOC127602	13.622	0.02
LOC127671	17.297	0.01
LOC128102	0.161	0
LOC128136	29.845	0
LOC128192	0.492	0.4
LOC128322	0.381	0
LOC128820	2.889	0
LOC128977	1.221	12.32
LOC129026	2.482	0
LOC129293	1.859	0.27
LOC129402	2.119	0
LOC129522	1.977	0.85

LOC129530	0.99	0.2
LOC129560	2.599	0.68
LOC129607	1.609	0.25
LOC129656	10.185	0.03
LOC129841	0.883	0.12
LOC129870	1.182	0
LOC129881	2.351	0.04
LOC130074	4.644	30.76
LOC130195	2.827	0
LOC130355	1.15	0.86
LOC130429	0.844	0.12
LOC130576	1.573	0
LOC130700	0.618	1.6
LOC130728	0.821	0
LOC130773	0.497	0.4
LOC130865	0.437	0.68
LOC130940	2.186	0
LOC130951	2.543	0
LOC131054	48.124	0.04
LOC131055	0.753	0
LOC131149	1.434	0
LOC131185	2.779	2.1
LOC131572	1.052	0
LOC131691	0.701	0.43
LOC131873	9.089	0
LOC131909	2.295	0
LOC131961	2.264	0.4
LOC131973	5.244	0
LOC132205	108.44	0
LOC132386	0.751	0
LOC132391	1.272	0.16
LOC132430	10.36	0
LOC132556	0.487	7.11
LOC132707	0.3	0
LOC132719	0.916	0
LOC132817	7.303	0.17
LOC133083	1.58	1.32
LOC133185	0.333	0.29
LOC133308	2.427	1.23
LOC133332	2.324	0
LOC133491	2.723	0
LOC133569	0.482	0.41
LOC133629	0.532	323.03
LOC133748	0.792	0.12
LOC133789	0.315	7.23
LOC133790	0.459	7.33
LOC133874	0.452	0
LOC134121	2.774	0
LOC134145	1.814	0.66
LOC134357	23.633	0.03

LOC134466	2.456	0
LOC134505	0.656	6.79
LOC134997	1.123	35.86
LOC135270	1.042	0.47
LOC135896	0.939	0
LOC136143	0.471	151.87
LOC136242	2.378	0
LOC136288	4.665	0.04
LOC136307	4.506	0.02
LOC136542	12.7	0.03
LOC137012	1.303	4.1
LOC137107	0.648	0.3
LOC137885	0.342	0
LOC137886	4.971	0.34
LOC138046	2.903	0
LOC138159	3.888	0
LOC138234	0.581	3.06
LOC138412	101.225	0.34
LOC138652	1.563	0
LOC138864	0.486	1.23
LOC138916	1.466	0.2
LOC138948	2.901	2.56
LOC138971	1.637	0.24
LOC138972	9.276	0.02
LOC139060	1.163	0
LOC139061	0.469	0
LOC139163	8.825	0.03
LOC139201	1.274	0.16
LOC139249	5.116	0
LOC139334	2.3	0.22
LOC139363	5.509	0
LOC139431	0.652	0
LOC139452	0.864	1.03
LOC139466	95.279	0
LOC139516	11.127	0
LOC139587	21.348	0
LOC139604	0.975	0
LOC139735	1.2	0
LOC139748	22.913	0
LOC139952	38.669	0.02
LOC139957	0.691	1.71
LOC140004	2.836	0
LOC140028	1.267	0
LOC140446	2.223	0
LOC143188	1.335	7.71
LOC143244	4.043	0.37
LOC143506	0.585	0
LOC143543	1.827	0.38
LOC143666	2.078	0.14
LOC143678	0.365	0

LOC143941	0.679	0.59
LOC144097	1.961	2.83
LOC144233	1.482	0.67
LOC144383	0.667	5.04
LOC144481	2.228	39.21
LOC144817	2.036	0
LOC145757	0.61	0
LOC145783	1.443	1.51
LOC145814	0.995	0
LOC145837	1.18	0
LOC145853	0.772	3.85
LOC145989	1.478	2.94
LOC146053	0.898	1.87
LOC146110	0.62	0.96
LOC146167	1.308	0
LOC146177	4.216	0
LOC146253	2.51	2.01
LOC146325	2.217	0
LOC146429	1.86	0
LOC146439	3.586	0
LOC146481	1.414	0
LOC146517	7.518	30.1
LOC146909	2.669	0.44
LOC147150	2.083	0.62
LOC147226	2.046	0.87
LOC147228	3.987	0
LOC147645	3.679	0.11
LOC147646	1.318	0.9
LOC147650	1.894	0.58
LOC147710	0.991	0
LOC147804	0.979	3.84
LOC148003	0.596	0
LOC148198	4.135	0
LOC148430	13.754	0.6
LOC148646	3.014	0
LOC148696	3.527	0.08
LOC148709	15.809	0
LOC148766	0.498	0
LOC149086	0.777	0.51
LOC149134	2.549	0.28
LOC149157	0.884	0
LOC149224	0.582	0.34
LOC149351	1.555	0.12
LOC149478	1.308	2.65
LOC149501	3.905	0
LOC149643	0.506	0
LOC149773	1.419	0
LOC149844	2.558	4.45
LOC150084	2.066	0
LOC150221	6.105	0

LOC150223	2.356	5.41
LOC150383	2.841	0.31
LOC150417	1.024	11.11
LOC150516	3.075	0.16
LOC150554	2.769	3.64
LOC150577	3.115	0
LOC150739	0.642	0
LOC150763	2.823	0.46
LOC150786	3.044	0.46
LOC150935	0.513	0
LOC151121	0.458	0
LOC151174	0.733	0.13
LOC151234	1.875	0
LOC151276	0.562	1.06
LOC151457	2.743	1.23
LOC151507	2.04	0.43
LOC151579	2.877	6.95
LOC151760	0.913	0
LOC151825	1.282	0
LOC152024	2.967	0.1
LOC152028	2.04	0.39
LOC152118	0.58	0
LOC152217	1.441	16.68
LOC152485	4.156	2.52
LOC152573	1.971	0.05
LOC152586	3.783	0
LOC152594	1.7	3.26
LOC152663	0.624	7.77
LOC152667	1.377	5.96
LOC152742	2.325	0
LOC152845	1.489	0.86
LOC152905	2.584	5.02
LOC153222	5.964	15.31
LOC153328	1.148	0
LOC153364	4.28	0.16
LOC153684	2.311	4.32
LOC153893	0.869	0.68
LOC153932	5.449	0.98
LOC154449	1.33	0
LOC154872	1.338	0
LOC154907	0.844	0
LOC154937	4.27	0.37
LOC155006	5.274	0.04
LOC155100	4.852	6.36
LOC157489	4.306	0.34
LOC157667	0.52	3.24
LOC157713	2.42	2.5
LOC157916	1.356	0
LOC158078	1.741	90.07
LOC158301	2.141	0

LOC158345	13.198	3.57
LOC158376	1.538	0.45
LOC158381	3.928	0.38
LOC158383	1.747	0.85
LOC158452	1.25	0
LOC158572	0.443	0
LOC158714	2.855	2.6
LOC158781	2.655	0.45
LOC158830	0.566	4.02
LOC158852	1.01	0
LOC158948	2.254	0.31
LOC159007	2.558	0.19
LOC159770	1.336	0.44
LOC160313	0.635	0
LOC160410	0.981	0.5
LOC161247	0.91	0.54
LOC161527	7.181	0.26
LOC161931	2.283	0.04
LOC162073	2.979	9.1
LOC162427	3.759	7.15
LOC162993	2.77	0.75
LOC165186	2.767	0.04
LOC168474	37.8	0.09
LOC169834	2.379	0.17
LOC192127	1.72	0
LOC192128	1.585	0
LOC192130	0.917	0
LOC192131	0.514	0
LOC192132	0.516	0
LOC192133	0.703	70.37
LOC196120	0.585	0
LOC196188	0.701	0.14
LOC196264	0.983	0.2
LOC196346	0.846	0
LOC196415	1.516	0
LOC196463	2.568	2.43
LOC196469	1.154	0.09
LOC196541	1.085	0
LOC196549	3.283	0.03
LOC196752	2.272	1.17
LOC196913	0.975	0
LOC196993	1.332	0
LOC197135	1.979	4.65
LOC197322	3.555	2.04
LOC197331	2.167	0
LOC197350	1.437	0
LOC198437	0.868	0
LOC199800	1.728	0.57
LOC199882	0.525	0
LOC199897	0.65	0

LOC200025	1.723	0.05
LOC200149	3.191	0
LOC200230	2.405	0.2
LOC200261	1.896	0
LOC200312	1.922	2.06
LOC200420	1.597	0.12
LOC200810	0.805	0
LOC201164	2.563	1.08
LOC201175	2.319	2.82
LOC201181	1.989	0.05
LOC201259	2.932	0.2
LOC201288	6.196	0
LOC201626	3.882	3.44
LOC201651	15.233	0
LOC201725	3.503	1.58
LOC202051	1.016	0.68
LOC202122	0.416	4.28
LOC202134	5.329	0
LOC202181	2.751	1.95
LOC202227	0.661	0
LOC202319	0.478	0.2
LOC202459	1.197	1.49
LOC203510	1.965	0
LOC203547	4.688	3.84
LOC203930	2.736	0.43
LOC204010	1	0.2
LOC204800	1.154	1.11
LOC205251	0.679	1.75
LOC205272	3.695	0
LOC206227	0.633	0
LOC219404	2.42	19.46
LOC219752	161.418	0
LOC219854	3.657	0.13
LOC220077	1.442	0
LOC220115	100.711	0
LOC220147	1.458	0
LOC220429	2.649	0.04
LOC220433	2.672	1.37
LOC220594	4.329	1.14
LOC220686	2.272	5.01
LOC220729	13.916	0.5
LOC220959	30.643	0.01
LOC221091	2.414	1.52
LOC221442	3.037	1.31
LOC221838	3.488	42.92
LOC222005	68.691	0.06
LOC222032	48.879	0
LOC222052	1.158	0.17
LOC222103	1.52	0.45
LOC222699	3.592	0.03

LOC222901	0.648	89.62
LOC222967	6.212	0.32
LOC23117	9.381	1.48
LOC246135	1.916	0.2
LOC246717	0.357	0
LOC246718	3.569	4.19
LOC246720	0.639	0.47
LOC246723	0.585	18.26
LOC246784	1.695	3.32
LOC246785	1.725	7.46
LOC252840	0.904	0
LOC252841	0.906	0
LOC252968	3.001	0.23
LOC253012	6.46	0.15
LOC253482	0.699	225.47
LOC253665	0.463	5.56
LOC253724	3.97	0
LOC253820	0.63	0
LOC253970	1.487	0
LOC254398	4.851	0
LOC255130	0.919	0.11
LOC255208	2.12	0
LOC255275	3.042	0.03
LOC255308	2.672	20.32
LOC255374	3.004	0.2
LOC255411	0.894	0
LOC255480	0.991	0
LOC255519	28.116	0.01
LOC255620	1.243	0
LOC255649	2.124	0
LOC255783	0.807	10.05
LOC255809	1.41	3.72
LOC256223	2.088	0
LOC256374	0.525	0.37
LOC256483	0.584	0
LOC256880	1.985	0
LOC257039	0.742	0.27
LOC257054	2.556	0
LOC257358	0.47	0
LOC257407	4.128	0
LOC25845	1.584	5.12
LOC259308	6.298	0.02
LOC260329	1.497	4.63
LOC260334	2.168	0
LOC260337	3.085	2.05
LOC260338	2.182	0
LOC260339	2.768	0
LOC260340	1.945	0
LOC260341	4.446	0.38
LOC260421	1.108	0.45

LOC260422	1.605	1.48
LOC26221	3.022	0.06
LOC266619	0.211	0
LOC266683	0.352	2.25
LOC266693	0.577	2.58
LOC266694	0.832	1.19
LOC266783	2.846	3.99
LOC266786	1.7	0.06
LOC268276	1.201	0.16
LOC280637	0.931	3.93
LOC280644	2.713	0.04
LOC283014	10.252	0.21
LOC283028	2.436	0
LOC283104	1.776	0.05
LOC283114	0.491	7.86
LOC283116	2.162	0
LOC283129	0.843	0
LOC283143	3.322	0
LOC283152	0.625	1.11
LOC283155	9.327	0
LOC283172	0.899	0
LOC283174	3.888	0.1
LOC283236	0.572	0.17
LOC283257	7.553	0
LOC283320	1.752	0.06
LOC283331	1.911	0.46
LOC283343	1.231	0
LOC283345	0.586	0.51
LOC283392	0.43	0
LOC283398	2.554	1.09
LOC283412	0.64	0.93
LOC283440	0.572	0.17
LOC283480	0.868	0
LOC283481	1.128	0
LOC283514	1.92	0.05
LOC283523	2.034	0
LOC283537	3.157	2.01
LOC283547	1.542	0
LOC283551	2.686	0.04
LOC283553	0.576	0
LOC283584	0.77	0
LOC283585	1.766	0
LOC283663	1.177	7.48
LOC283683	2.09	0.14
LOC283688	0.811	0
LOC283693	1.119	0.62
LOC283698	1.641	0.73
LOC283710	1.033	0.1
LOC283755	4.222	0.52
LOC283767	3.699	0

LOC283804	1.845	0
LOC283867	2.48	0.04
LOC283871	4.346	1.27
LOC283874	5.578	0.87
LOC283904	3.408	0
LOC283951	1.071	2.77
LOC283953	0.644	0
LOC283970	2.248	3.87
LOC283999	1.003	0
LOC284009	0.576	0.52
LOC284023	2.523	0.31
LOC284064	0.468	0.84
LOC284067	0.974	0
LOC284100	2.449	0.04
LOC284167	21.208	0.16
LOC284184	0.766	5.55
LOC284196	3.986	0
LOC284215	1.109	0
LOC284226	10.167	0.01
LOC284230	0.399	0.5
LOC284269	2.399	0.04
LOC284274	1.369	0
LOC284288	0.564	1.57
LOC284296	4.203	0.07
LOC284297	0.418	0
LOC284361	3.237	22.83
LOC284371	3.537	3.05
LOC284379	5.092	0
LOC284395	0.564	0
LOC284402	0.365	0
LOC284422	0.908	14.05
LOC284428	0.777	0
LOC284441	3.594	7.93
LOC284577	2.897	0
LOC284620	0.741	0
LOC284685	2.197	24.32
LOC284701	0.836	0
LOC284751	0.432	0
LOC284757	4.211	0.04
LOC284801	2.249	13.82
LOC284821	1.143	4.5
LOC284861	3.821	0
LOC284890	0.716	0
LOC284912	0.853	0
LOC284952	3.218	0.43
LOC284964	1.518	0
LOC284988	2.949	0.2
LOC284998	2.113	0
LOC285016	0.496	1.8
LOC285033	0.537	1.29

LOC285047	0.769	0
LOC285053	1.264	4.15
LOC285074	1.957	8.19
LOC285095	1.054	9.39
LOC285141	0.596	0
LOC285176	0.778	1.53
LOC285191	2.106	0
LOC285205	0.775	0
LOC285216	12.107	0
LOC285232	3.591	0.11
LOC285260	0.371	0.8
LOC285296	6.079	1.32
LOC285299	2.075	0.62
LOC285303	3.569	0
LOC285346	0.867	2.74
LOC285359	2.478	0.32
LOC285382	5.901	0
LOC285407	0.895	0
LOC285412	2.279	2.74
LOC285423	2.138	0
LOC285442	2.503	2.45
LOC285453	1.102	0.45
LOC285484	2.756	0
LOC285501	1.037	0.1
LOC285550	9.011	1.53
LOC285556	10.186	0
LOC285563	0.597	0
LOC285588	0.48	0
LOC285591	1.254	6.55
LOC285634	42.058	0.02
LOC285636	5.222	2.75
LOC285643	4.426	0.12
LOC285647	2.66	0.93
LOC285679	1.182	0
LOC285697	0.552	0
LOC285706	2.476	1.04
LOC285733	2.738	0
LOC285735	0.322	0
LOC285741	0.744	439.89
LOC285840	1.392	0
LOC285872	2.418	0.08
LOC285900	1.728	0.23
LOC285908	8.822	1.52
LOC285941	3.912	0
LOC285943	2.021	0
LOC286016	4.225	8.53
LOC286076	1.002	0.6
LOC286150	0.877	0.56
LOC286157	0.957	301.57
LOC286187	1.084	0

LOC286238	0.585	0
LOC286239	153.029	0.01
LOC286334	2.732	3.08
LOC286348	0.778	0.38
LOC286411	1.649	0
LOC286434	2.197	0
LOC286444	0.964	1.74
LOC286456	2.927	0.33
LOC286467	1.466	1.48
LOC286495	6.168	2.47
LOC286512	1.201	16.23
LOC286526	1.029	0
LOC286528	0.585	0.34
LOC286568	0.543	0.18
LOC286570	0.543	0.18
LOC29060	1.834	0.21
LOC317727	7.308	1.77
LOC317753	1.456	4.28
LOC317786	2.671	1.37
LOC338091	0.465	0.85
LOC338095	0.79	3.26
LOC338096	0.805	0.61
LOC338097	0.764	0.26
LOC338098	0.374	1.59
LOC338099	0.775	4.09
LOC338328	2.28	0.09
LOC338586	0.384	0
LOC338588	1.864	0
LOC338591	17.652	0.01
LOC338598	8.789	0
LOC338611	0.357	0
LOC338667	2.967	0
LOC338739	0.634	0.31
LOC338756	0.531	0
LOC338758	3.526	0.2
LOC338797	0.501	0
LOC338799	3.848	12.58
LOC338805	0.387	0
LOC338809	1.377	0
LOC338829	3.657	0
LOC338870	0.422	1.88
LOC338963	0.436	0
LOC339047	3.655	0.03
LOC339123	2.042	10.46
LOC339186	3.153	0
LOC339192	0.473	3.97
LOC339209	0.835	0
LOC339229	1.426	13.81
LOC339240	3.153	0
LOC339241	3.988	0

LOC339244	1.407	0
LOC339256	4.414	0
LOC339257	2.953	0.3
LOC339258	3.156	0
LOC339290	2.115	2.81
LOC339344	1.887	1.26
LOC339352	4.309	0
LOC339396	4.47	0
LOC339457	2.756	0
LOC339524	2.375	0
LOC339535	1.559	2.92
LOC339562	0.474	0
LOC339674	1.506	0.13
LOC339736	2.286	0.09
LOC339742	1.107	0
LOC339745	5.709	2.81
LOC339760	1.365	0
LOC339766	5.749	0
LOC339778	2.842	0
LOC339781	1.333	0
LOC339804	0.701	0.57
LOC339809	5.135	0
LOC339843	3.275	1.57
LOC339845	4.645	0
LOC339858	0.574	1.21
LOC339879	2.262	0
LOC339881	1.835	3.18
LOC339897	51.955	0.01
LOC339966	23.148	0.03
LOC339970	4.107	2.22
LOC339977	3.337	0
LOC340069	1.176	0
LOC340089	14.647	0.01
LOC340094	0.751	0
LOC340096	0.444	0
LOC340113	2.008	0
LOC340192	2.105	1.03
LOC340204	0.575	0
LOC340221	34.488	0.03
LOC340268	2.349	0
LOC340274	1.22	0.16
LOC340286	3.194	0.28
LOC340443	0.613	0.48
LOC340460	4.374	0
LOC340499	2.229	0.18
LOC340501	7.968	0
LOC340502	1.676	0
LOC340508	8.537	0
LOC340515	2.02	0
LOC340569	0.437	0

LOC340598	0.855	0
LOC340600	1.436	0.14
LOC340602	1.924	0
LOC340623	1.163	0
LOC340780	2.281	0.82
LOC340844	5.802	0.17
LOC340888	1.08	0
LOC340900	1.101	0
LOC340947	1.995	1.24
LOC340970	32.339	0.01
LOC341056	1.026	2.02
LOC341112	0.558	0
LOC341230	1.46	0.07
LOC341315	3.922	17.6
LOC341333	128.541	0.01
LOC341346	0.859	0
LOC341378	4.738	0.04
LOC341392	1.743	0
LOC341412	23.408	0.2
LOC341457	0.688	0
LOC341604	16.144	0.03
LOC341651	0.764	2.72
LOC341674	0.656	0.3
LOC341689	2.362	0.04
LOC341784	19.339	0.05
LOC341965	1.02	1.65
LOC342293	0.816	0
LOC342346	3.18	0.04
LOC342374	1.291	0
LOC342419	11.856	0.02
LOC342426	3.128	0
LOC342443	2.2	0
LOC342531	7.996	0.01
LOC342541	0.546	0.18
LOC342599	6.017	0.1
LOC342705	1.444	7.4
LOC342732	7.294	0
LOC342784	1.638	0.18
LOC342865	1.91	0
LOC342897	1.973	0
LOC342918	1.289	2.38
LOC342979	1.516	0
LOC343052	10.271	0.2
LOC343165	1.942	0
LOC343184	0.918	0.43
LOC343296	1.13	0.18
LOC343301	0.652	0.3
LOC343326	1.596	0
LOC343338	27.363	0.01
LOC343384	0.492	0

LOC343492	0.684	1.59
LOC343495	1.202	0.58
LOC343508	2.312	2.57
LOC343515	1.272	5.37
LOC343851	0.327	1.21
LOC343981	81.031	0
LOC344065	1.862	0.43
LOC344167	0.582	0
LOC344178	9.731	0.01
LOC344320	4.522	0
LOC344328	1.109	0
LOC344332	0.282	0
LOC344371	0.98	6.67
LOC344382	1.047	13.23
LOC344405	0.521	1.33
LOC344423	1.313	8.59
LOC344462	9.017	0.08
LOC344471	0.498	0.6
LOC344593	4.476	0.2
LOC344595	1.34	0.15
LOC344653	1.867	0.9
LOC344657	1.825	0
LOC344709	4.362	0.36
LOC344741	0.964	0.31
LOC344787	2.657	0.26
LOC344866	9.542	0.02
LOC344875	3.475	0
LOC344887	14.573	0.01
LOC344967	18.729	0.13
LOC344978	57.183	0.17
LOC345016	8.554	0.07
LOC345041	1.838	0.91
LOC345222	3.164	0
LOC345258	1.703	0.24
LOC345430	10.137	0
LOC345471	1.132	6.73
LOC345537	0.495	0.2
LOC345571	6.579	0.27
LOC345576	27.278	0.45
LOC345630	1.13	0
LOC345643	2.091	0
LOC345645	15.711	0.01
LOC345829	0.832	7.25
LOC346085	1.248	10.7
LOC346296	8.88	0.38
LOC346329	2.136	1.85
LOC346588	0.524	0.37
LOC346653	2.398	0.25
LOC346702	2.917	0.17
LOC347028	1.871	0.79

LOC347097	2.86	0.14
LOC347119	1.404	0
LOC347193	1.74	0.46
LOC347273	2.632	0.07
LOC347275	6.527	0
LOC347281	54.793	0.01
LOC347292	0.318	356.24
LOC347333	80.54	0
LOC347363	60.788	0
LOC347364	0.282	0
LOC347381	2	2.08
LOC347411	0.897	0
LOC347422	22.424	0.1
LOC347475	1.55	0
LOC347509	0.739	0
LOC347549	0.864	0
LOC347674	1.498	0
LOC347675	1.327	0
LOC347701	1.05	0
LOC347716	9.572	0.13
LOC347717	0.905	0
LOC347806	25.012	0
LOC348021	2.141	0
LOC348174	1.955	0.1
LOC348180	1.936	2.14
LOC348262	3.007	0
LOC348751	1.157	0
LOC348801	2.991	0.5
LOC348808	2.493	0.04
LOC348840	2.171	0
LOC348926	2.326	0
LOC348958	1.844	1.18
LOC349114	4.362	0.63
LOC349196	0.435	0
LOC349448	2.836	0
LOC352905	0.928	0
LOC353194	5.166	0
LOC353196	1.407	0
LOC359724	1.848	219.07
LOC359791	15.416	0.01
LOC359792	1.376	2.23
LOC359793	2.241	0.18
LOC359794	1.231	0
LOC359795	0.432	0
LOC359798	2.102	0.04
LOC359800	1.77	1.01
LOC359819	0.48	0.41
LOC359996	1.92	0
LOC359997	0.335	9.75
LOC359998	0.606	0

LOC359999	0.606	0
LOC360009	0.933	0
LOC360014	1.036	0
LOC360015	63.721	0.01
LOC360016	3.493	0
LOC360017	3.494	0
LOC360018	0.773	0
LOC360020	13.416	0
LOC360022	0.773	0
LOC360024	2.917	0
LOC360025	1.383	0
LOC360026	1.383	0
LOC360027	2.926	0
LOC360028	5.777	0.05
LOC360029	0.191	0
LOC374395	0.864	18.9
LOC374443	12.978	1.09
LOC374491	20.185	0
LOC374569	2.03	0
LOC374920	2.278	2.12
LOC374973	0.921	0.21
LOC375010	2.535	0
LOC375133	2.018	4.71
LOC375190	2.28	0.56
LOC375251	1.11	0.71
LOC375295	2.532	0
LOC375350	0.782	5.31
LOC375449	1.066	0.09
LOC375748	2.84	2.09
LOC376475	5.833	0.53
LOC376693	0.968	1.63
LOC376818	1.944	0
LOC386610	1.944	0
LOC386728	3.247	0
LOC387359	14.975	0
LOC387360	9.135	0
LOC387361	9.139	0
LOC387364	12.286	0
LOC387601	1.644	0
LOC387646	3.262	0.45
LOC387647	2.717	3.24
LOC387654	0.9	0.88
LOC387703	4.653	1.21
LOC387720	2.435	0
LOC387723	0.634	0.16
LOC387745	20.342	0.01
LOC387753	0.601	0.99
LOC387758	3.007	0
LOC387761	0.684	0
LOC387763	2.487	0.16

LOC387770	30.898	0
LOC387787	1.897	0.62
LOC387791	13.822	0.09
LOC387804	1.312	0
LOC387820	18.375	1.43
LOC387825	60.535	0.06
LOC387826	0.594	0
LOC387845	1.413	5.32
LOC387856	2.311	0.09
LOC387867	1.061	0.75
LOC387869	0.377	0
LOC387876	1.164	0
LOC387885	0.918	0
LOC387890	0.695	0
LOC387895	1.162	0
LOC387911	1.002	0
LOC387924	8.827	0.12
LOC387927	0.703	0
LOC387933	1.218	0.24
LOC387934	0.703	0.14
LOC387939	0.425	0
LOC387941	0.901	0
LOC387978	0.734	0
LOC388002	0.637	0
LOC388022	2.089	0.19
LOC388076	0.719	4.4
LOC388104	1.372	0.65
LOC388122	0.948	0.31
LOC388135	1.344	0
LOC388147	0.719	14.04
LOC388152	1.371	0
LOC388153	0.491	0
LOC388160	0.495	0.2
LOC388161	5.435	0
LOC388163	0.496	0.2
LOC388177	1.037	5.63
LOC388181	1.598	0.5
LOC388194	24.848	0
LOC388199	1.209	0.08
LOC388210	1.344	0.44
LOC388237	2.728	0.14
LOC388242	4.091	1.04
LOC388248	45.643	0
LOC388255	0.522	0
LOC388259	0.94	0
LOC388272	1.383	1.43
LOC388279	0.917	0.32
LOC388282	1.29	0
LOC388284	1.714	2.02
LOC388312	3.103	0.1

LOC388323	1.023	0
LOC388333	0.845	0
LOC388335	3.092	3.23
LOC388339	0.546	610.47
LOC388344	0.77	833.51
LOC388381	0.465	0.21
LOC388401	0.842	0.35
LOC388419	1.678	0
LOC388436	0.532	0
LOC388438	3.126	0
LOC388444	1.367	0
LOC388458	1.006	0
LOC388459	0.717	0
LOC388460	0.844	0.12
LOC388474	1.044	0.85
LOC388503	3.525	0
LOC388514	21.24	0
LOC388523	31.042	0.02
LOC388524	1.397	70.89
LOC388532	0.802	0.37
LOC388553	1.776	0
LOC388556	0.699	242.32
LOC388559	1.77	1.11
LOC388564	2.277	0.96
LOC388572	1.992	0
LOC388579	1.03	0
LOC388588	0.73	0.41
LOC388610	1.716	0
LOC388621	0.633	0.78
LOC388630	2.554	0
LOC388692	3.389	3.1
LOC388707	1.059	1.49
LOC388720	0.588	33.99
LOC388734	1.191	0.83
LOC388743	1.426	0
LOC388780	0.62	0
LOC388789	0.605	64.59
LOC388795	3.253	0.06
LOC388813	1.063	0
LOC388814	0.849	13.05
LOC388817	2.655	30.74
LOC388820	1.05	0
LOC388849	1.267	0.86
LOC388882	1.578	0
LOC388885	0.561	0.88
LOC388906	0.563	0
LOC388907	1.031	76.48
LOC388915	1.091	0
LOC388923	1.114	0.27
LOC388925	1.345	0.15

LOC388931	1.508	0.13
LOC388946	1.137	0
LOC388948	1.029	0.68
LOC388955	2.779	0.07
LOC388963	3.074	0.48
LOC388965	1.222	0.48
LOC388969	3.125	9.18
LOC388996	33.777	0.04
LOC389000	1.495	0
LOC389024	1.219	0.16
LOC389033	0.401	0
LOC389043	1.861	0
LOC389049	44.326	0.12
LOC389053	1.944	5.34
LOC389072	2.315	1.16
LOC389073	1.835	0
LOC389101	5.421	0.12
LOC389105	3.035	0.62
LOC389118	1.188	0.08
LOC389120	7.533	0
LOC389124	0.512	0
LOC389127	0.686	0
LOC389137	2.069	0.91
LOC389141	1.033	0.38
LOC389151	1.896	0
LOC389156	0.537	0.19
LOC389160	55.476	0
LOC389168	1.763	7.69
LOC389173	1.645	0
LOC389174	0.831	0
LOC389179	1.388	3.14
LOC389199	1.296	0
LOC389203	1.207	4.59
LOC389207	0.991	0
LOC389217	1.158	0.25
LOC389223	1.414	4.13
LOC389230	0.533	0
LOC389240	0.801	90.29
LOC389246	1.076	0.55
LOC389249	1.686	4.87
LOC389257	1.573	0.88
LOC389286	0.833	0
LOC389293	2.373	0.63
LOC389300	0.609	0
LOC389322	4.574	5.08
LOC389328	0.987	0.1
LOC389332	1.696	0
LOC389333	3.163	0.78
LOC389342	0.778	1011.76
LOC389365	0.65	0

LOC389369	0.719	0
LOC389370	0.758	0
LOC389386	1.616	2.51
LOC389395	1.546	0.06
LOC389404	0.632	0.78
LOC389428	7.179	1.74
LOC389458	1.076	1.48
LOC389465	5.56	0.32
LOC389493	10.483	0.01
LOC389517	4.542	0.09
LOC389523	2.682	0.41
LOC389541	1.397	34.42
LOC389607	3.258	0.28
LOC389633	3.011	0
LOC389634	3.033	0
LOC389641	1.97	0.25
LOC389644	3.243	13.42
LOC389651	3.918	0
LOC389652	35.593	0.01
LOC389654	2.036	0
LOC389655	0.47	3.16
LOC389662	65.429	0.01
LOC389676	0.588	0
LOC389705	23.58	0.03
LOC389727	1.371	0
LOC389740	8.767	0
LOC389747	16.988	0
LOC389768	6.106	0.04
LOC389787	0.519	366.77
LOC389791	2.081	0.05
LOC389813	2.832	0.11
LOC389827	0.666	0
LOC389832	1.94	0
LOC389833	1.599	0
LOC389834	4.083	0
LOC389842	1.048	2.83
LOC389844	0.975	0
LOC389849	1.153	22.4
LOC389857	1.62	0
LOC389873	1.176	1.94
LOC389892	10.824	0.05
LOC389895	0.822	0
LOC389901	15.867	0.8
LOC389904	7.476	0.06
LOC389906	1.078	0.73
LOC389935	0.938	3.59
LOC389936	3.209	0
LOC389948	2.459	0.08
LOC389963	1.536	0
LOC389970	1.01	0.78

LOC389976	1.116	0
LOC389990	0.796	1.37
LOC389992	0.755	0
LOC389997	26.293	0
LOC390003	48.895	0
LOC390006	0.837	0.12
LOC390007	2.623	2.04
LOC390029	2.321	0.17
LOC390031	0.585	0
LOC390033	0.585	0
LOC390084	0.942	0
LOC390098	0.994	0
LOC390099	0.966	0
LOC390101	6.401	0
LOC390102	1.885	0.11
LOC390107	0.402	75.06
LOC390110	1.82	0
LOC390158	4.513	0.37
LOC390183	0.843	7.51
LOC390203	0.953	0
LOC390205	1.078	0
LOC390206	0.907	0.22
LOC390211	0.827	0
LOC390213	4.584	0.6
LOC390218	0.456	0
LOC390228	0.8	0.25
LOC390231	1.353	0
LOC390233	6.505	0
LOC390239	0.465	1.28
LOC390243	0.732	0
LOC390245	1.494	0
LOC390250	0.633	3.13
LOC390251	0.988	3.51
LOC390255	0.984	4.32
LOC390259	1.74	0
LOC390282	0.618	0.16
LOC390285	0.522	0.38
LOC390294	0.941	0.74
LOC390297	1.419	0
LOC390298	1.218	1.79
LOC390299	0.189	0
LOC390301	1.113	0
LOC390306	1.708	0.29
LOC390308	0.632	0.31
LOC390311	0.813	0.49
LOC390314	0.518	0.57
LOC390332	5.651	0
LOC390335	0.483	8.4
LOC390338	44.075	0
LOC390340	3.836	0.03

LOC390345	0.73	3.12
LOC390352	0.24	0.83
LOC390354	10.686	48.36
LOC390358	3.585	0
LOC390363	11.7	0.56
LOC390364	0.201	0
LOC390378	0.485	0
LOC390394	4.86	0.59
LOC390402	0.888	1.33
LOC390403	0.546	0
LOC390407	1.212	3.67
LOC390411	0.871	0.11
LOC390413	0.805	0.25
LOC390414	1.279	0
LOC390415	42.753	0.04
LOC390418	1.302	0
LOC390419	0.497	0
LOC390421	0.417	0
LOC390424	0.411	0
LOC390427	1.854	0
LOC390470	1.444	0
LOC390472	0.879	0
LOC390482	0.936	0
LOC390483	13.657	0
LOC390501	1.09	0.18
LOC390503	3.82	1.04
LOC390530	0.579	0
LOC390557	2.682	0
LOC390561	92.435	0.08
LOC390569	170.266	0.02
LOC390572	0.664	0
LOC390576	3.807	0.26
LOC390578	0.941	2.52
LOC390580	5.404	0.18
LOC390581	0.575	0
LOC390586	1.558	0.12
LOC390588	30.566	0.09
LOC390595	1.692	0.35
LOC390596	4.988	0.22
LOC390597	4.414	0
LOC390600	0.944	0
LOC390601	1.526	0
LOC390610	11.883	0.23
LOC390612	1.338	184.57
LOC390614	1.076	0
LOC390616	2.21	0
LOC390617	1.302	0.15
LOC390618	0.732	0
LOC390627	22.313	0
LOC390634	1.292	0

LOC390637	1.894	1.93
LOC390638	22.365	0.03
LOC390641	0.711	0
LOC390643	8.031	0.32
LOC390660	4.455	0
LOC390667	1.422	0
LOC390671	0.583	35.63
LOC390705	0.767	0
LOC390712	0.558	0
LOC390714	0.6	0
LOC390729	0.356	1.11
LOC390730	0.826	0.24
LOC390732	27.059	0
LOC390738	1.161	0
LOC390739	0.304	0.33
LOC390748	0.87	0.12
LOC390760	4.377	0
LOC390791	0.491	0.6
LOC390806	0.615	0
LOC390811	0.201	0
LOC390829	0.585	0
LOC390831	0.738	0
LOC390834	5.146	0
LOC390843	19.97	0
LOC390844	1.483	1.93
LOC390848	0.705	5.48
LOC390856	0.405	0
LOC390857	0.839	0
LOC390860	2.191	0.13
LOC390861	1.121	0.44
LOC390876	0.321	1.54
LOC390877	0.576	0
LOC390904	10.187	0.01
LOC390924	3.314	1.19
LOC390930	15.501	0.02
LOC390937	1.065	0.28
LOC390940	1.418	16.96
LOC390948	0.574	0
LOC390949	0.437	0
LOC390956	0.561	0
LOC390988	2.244	0
LOC390993	2.047	0.14
LOC390996	6.563	0.03
LOC390997	2.695	2.2
LOC390998	0.852	0
LOC391012	0.371	0.53
LOC391019	0.492	1.21
LOC391020	0.402	0.25
LOC391025	0.579	0
LOC391026	15.15	0.05

LOC391033	2.451	0.4
LOC391037	0.675	0
LOC391039	0.939	8.01
LOC391040	7.039	0.03
LOC391044	0.819	2.06
LOC391048	1.911	0.26
LOC391051	21.976	0
LOC391053	0.7	2.68
LOC391069	1.003	0.2
LOC391073	5.124	0.02
LOC391075	0.993	0
LOC391076	7.706	0
LOC391077	1.006	1.18
LOC391081	9.525	0
LOC391092	1.409	0
LOC391099	63.316	0
LOC391102	3.802	2.4
LOC391106	0.773	0
LOC391126	0.438	1.13
LOC391130	0.415	8.82
LOC391132	6.913	0
LOC391135	1.413	7.21
LOC391136	3.335	2.2
LOC391137	12.585	0
LOC391139	20.818	0.15
LOC391140	0.647	0.15
LOC391142	2.708	0
LOC391151	0.37	0
LOC391155	1.614	0
LOC391157	0.409	0.72
LOC391158	1.377	0.07
LOC391160	0.547	1.81
LOC391162	3.591	0.03
LOC391168	0.817	0.24
LOC391171	3.411	0
LOC391179	1.425	0
LOC391181	12.91	0.03
LOC391183	19.626	0.01
LOC391205	1.101	0
LOC391230	6.335	0
LOC391239	9.186	0
LOC391242	0.678	0
LOC391247	0.564	0.18
LOC391256	1.348	0
LOC391258	3.898	0
LOC391265	0.126	0
LOC391267	4.393	0.03
LOC391269	0.512	0.2
LOC391271	1.219	0
LOC391273	0.736	5.51

LOC391276	1.919	0.16
LOC391282	0.501	0
LOC391322	0.569	4.69
LOC391334	1.212	0.41
LOC391337	5.122	0
LOC391343	0.648	0
LOC391349	17.805	0.37
LOC391356	0.572	27.68
LOC391358	0.59	10.23
LOC391359	0.297	1.33
LOC391364	0.957	0.11
LOC391367	1.007	0.29
LOC391370	0.431	14
LOC391378	9.357	0.01
LOC391383	1.268	0
LOC391387	0.874	0
LOC391405	2.127	0
LOC391428	12.023	0
LOC391429	0.381	0
LOC391436	3.935	0.2
LOC391444	10.888	0
LOC391448	9.813	0.03
LOC391453	4.554	0
LOC391458	1.279	0
LOC391462	0.873	0.34
LOC391465	0.581	0
LOC391467	2.242	0
LOC391470	1.242	0.96
LOC391472	18.808	0
LOC391485	5.604	0
LOC391490	5.591	0
LOC391491	78.835	0.01
LOC391504	0.509	1.16
LOC391508	1.392	0
LOC391511	0.561	0.53
LOC391524	1.598	1.36
LOC391526	1.091	26.48
LOC391530	56.357	0
LOC391532	0.594	0
LOC391533	1.434	0.2
LOC391539	0.695	0
LOC391540	1.824	1.46
LOC391541	0.493	0
LOC391552	5.024	0.14
LOC391556	0.739	0.13
LOC391559	0.7	0.99
LOC391560	0.406	0.98
LOC391562	5.382	3.6
LOC391566	7.231	0.03
LOC391578	3.984	0.05

LOC391584	1.276	0
LOC391587	1.799	0
LOC391589	1.363	0
LOC391592	1.792	5.02
LOC391595	0.406	3.17
LOC391598	0.895	0.44
LOC391600	0.887	0
LOC391603	0.872	0
LOC391609	1.209	0
LOC391636	1.039	2.76
LOC391640	4.411	0
LOC391642	1.005	0.1
LOC391647	1.284	0
LOC391648	70.234	0
LOC391655	0.584	0.51
LOC391656	0.436	0.91
LOC391657	4.435	0.12
LOC391670	1.188	0.67
LOC391672	1.024	1.64
LOC391674	1.028	0.1
LOC391679	0.846	0
LOC391681	2.059	0.24
LOC391686	0.691	1
LOC391689	15.944	0
LOC391696	3.792	0.31
LOC391697	9.503	0
LOC391698	8.095	0.03
LOC391701	0.415	2.39
LOC391703	25.764	0
LOC391706	1.892	0.58
LOC391707	0.394	0
LOC391710	2.848	0
LOC391711	7.343	0
LOC391713	7.44	0.01
LOC391718	1.392	0
LOC391719	0.591	1.01
LOC391722	1.134	0.17
LOC391738	0.465	0.21
LOC391739	1.596	10.41
LOC391741	1.132	12.76
LOC391742	0.552	0
LOC391744	0.443	0
LOC391746	0.597	0
LOC391747	0.597	0
LOC391749	0.597	0
LOC391761	0.597	0
LOC391763	0.597	0
LOC391764	0.756	0
LOC391765	0.443	0
LOC391766	0.597	0

LOC391767	0.594	0
LOC391768	0.596	0
LOC391769	0.411	0
LOC391771	0.927	0.11
LOC391774	0.637	2.64
LOC391777	0.863	16.05
LOC391798	33.177	0
LOC391803	1.234	0
LOC391804	0.969	0.71
LOC391807	210.938	0
LOC391810	4.787	0.04
LOC391811	1.422	1.6
LOC391813	1.943	0
LOC391819	1.322	0
LOC391824	6.396	0.02
LOC391825	0.473	0
LOC391827	15.913	0
LOC391828	0.406	560.48
LOC391833	0.563	1.06
LOC391834	0.718	0.28
LOC391836	11.373	0
LOC391844	59.324	0.07
LOC391845	0.451	0.88
LOC391847	42.237	0.03
LOC391849	25.946	4.65
LOC391850	7.28	0.05
LOC391859	0.591	0
LOC392005	54.437	0.02
LOC392008	0.38	0.78
LOC392027	2.404	0.7
LOC392030	0.706	1.26
LOC392100	1.321	0.07
LOC392145	11.753	0
LOC392180	0.999	0
LOC392181	1.057	0.19
LOC392187	1.201	0
LOC392188	1.593	0
LOC392193	0.647	0.61
LOC392196	1.2	0
LOC392197	1.593	0
LOC392206	0.659	17.71
LOC392209	3.616	0.05
LOC392214	1.285	0
LOC392217	2.682	0
LOC392221	0.501	0
LOC392222	0.267	0
LOC392225	1.373	0
LOC392226	43.977	0.02
LOC392227	0.494	0
LOC392232	92.212	0

LOC392242	3.56	0
LOC392262	0.246	0
LOC392264	51.675	0
LOC392265	0.93	0.11
LOC392266	6.831	0.06
LOC392267	2.234	0.22
LOC392268	3.096	0
LOC392271	0.408	3.39
LOC392281	0.985	3.12
LOC392282	0.613	3.88
LOC392285	14.682	0.01
LOC392288	1.206	0.66
LOC392292	1.608	0
LOC392298	273.231	0
LOC392301	12.459	0.06
LOC392310	0.842	0
LOC392322	139.89	0
LOC392334	3.757	0
LOC392335	8.844	0
LOC392343	14.007	0
LOC392352	4.38	0
LOC392358	0.741	4.81
LOC392364	2.313	0
LOC392368	7.673	0
LOC392371	4.083	0
LOC392374	1.015	0
LOC392382	23.47	0.03
LOC392387	1.3	1.52
LOC392424	0.61	36.5
LOC392425	0.455	0
LOC392426	2.084	0.09
LOC392435	4.469	0
LOC392436	0.439	0
LOC392437	0.743	11.32
LOC392439	0.691	0
LOC392440	0.951	0
LOC392442	22.272	0.05
LOC392443	6.605	0
LOC392451	4.765	0.27
LOC392452	0.86	0
LOC392454	0.783	2.03
LOC392456	1.631	1.33
LOC392459	5.697	0
LOC392465	0.474	0
LOC392473	33.6	0
LOC392477	0.966	0
LOC392479	51.495	0
LOC392481	1.749	0.68
LOC392485	0.987	1.2
LOC392489	0.574	0.34

LOC392497	0.761	7.41
LOC392501	0.436	0
LOC392505	0.863	0.23
LOC392508	1.886	3.78
LOC392510	1.014	0
LOC392516	13.966	0
LOC392520	0.606	0
LOC392522	4.479	0.04
LOC392525	0.942	0
LOC392528	3.231	0.03
LOC392529	0.513	0
LOC392536	1.953	0
LOC392538	0.914	0.21
LOC392539	3.659	0.13
LOC392542	0.534	0
LOC392543	1.267	1.1
LOC392545	0.629	0
LOC392547	5.969	0.45
LOC392552	1.431	0
LOC392555	1.124	0
LOC392556	4.331	0
LOC392557	0.591	39.34
LOC392563	1.701	0
LOC392597	2.122	0
LOC392603	5.119	0
LOC392617	5.186	6.46
LOC392631	2.349	0
LOC392635	5.56	0
LOC392713	4.562	0
LOC392748	0.496	3.59
LOC392781	1.798	0.33
LOC392787	11.331	0
LOC392843	29.503	0
LOC392871	1.22	0
LOC392878	0.38	0
LOC392900	2.404	0.04
LOC392979	0.501	0
LOC392982	0.585	0
LOC393062	11.746	0
LOC393076	163.618	0
LOC393078	31.518	0
LOC399655	3.966	2.82
LOC399706	2.381	0
LOC399744	3.711	0.88
LOC399748	1.633	6.66
LOC399761	1.48	0
LOC399774	4.645	0.02
LOC399783	19.049	0
LOC399804	1.08	1.28
LOC399815	1.419	0.07

LOC399818	2.579	4.61
LOC399829	0.723	0
LOC399839	2.682	0
LOC399881	50.362	0.01
LOC399888	1.435	1.8
LOC399898	4.292	0
LOC399900	1.697	0.35
LOC399937	2.05	0
LOC399939	1.651	0
LOC399940	2.05	0
LOC399942	1.616	3.85
LOC399947	2.338	0
LOC399950	1.082	0
LOC399957	4.476	0
LOC399965	1.705	0
LOC399988	4.189	0.07
LOC399994	3.966	2.54
LOC400011	3.628	2.02
LOC400013	1.746	8.5
LOC400026	14.377	0.02
LOC400027	2.202	14.11
LOC400036	2.585	0.31
LOC400058	1.294	1.07
LOC400061	1.003	0.69
LOC400064	0.736	25.4
LOC400094	2.463	0.04
LOC400099	2.046	1.89
LOC400120	2.876	0
LOC400126	3.362	8.92
LOC400129	1.3	6.62
LOC400141	0.934	0.74
LOC400174	1.175	0
LOC400236	1.882	0.47
LOC400258	1.847	0
LOC400347	1.118	0.89
LOC400352	14.013	0
LOC400385	20.125	0.05
LOC400389	0.651	0.6
LOC400403	31.195	0.23
LOC400406	24.082	0.07
LOC400419	46.571	0
LOC400446	6.363	0.27
LOC400451	2.627	6.97
LOC400455	0.821	2.05
LOC400456	0.931	0
LOC400464	1.931	1.89
LOC400499	3.552	0.05
LOC400506	3.817	0.34
LOC400553	0.703	0.28
LOC400566	1.779	0

LOC400578	4.704	0
LOC400581	1.345	1.54
LOC400592	12.175	1.5
LOC400652	0.741	2.67
LOC400657	2.399	2.27
LOC400686	5.302	0.17
LOC400696	2.562	0
LOC400707	1.991	0
LOC400723	1.289	0
LOC400750	4.296	0.71
LOC400752	1.71	0.06
LOC400756	1.277	0.39
LOC400769	0.912	0.76
LOC400796	1.399	0
LOC400831	1.604	0
LOC400856	2.201	0
LOC400879	4.778	2.01
LOC400891	3.226	0
LOC400924	2.272	5.05
LOC400927	39.945	0.32
LOC400950	3.715	0.11
LOC400958	3.029	0
LOC400960	0.997	0.4
LOC400963	0.973	1.22
LOC400965	2.617	0.04
LOC400968	4.637	0
LOC400986	2.29	0.26
LOC400987	1.298	0.76
LOC401007	2.163	0
LOC401010	2.723	0.94
LOC401013	2.242	0.09
LOC401018	2.444	0
LOC401021	1.816	0
LOC401052	1.897	0.47
LOC401068	2.06	0.96
LOC401072	4.064	0
LOC401074	1.008	1.67
LOC401076	2.157	6.93
LOC401089	4.075	0
LOC401097	0.759	0
LOC401098	2.614	0
LOC401115	0.464	0.85
LOC401127	1.403	0.63
LOC401131	6.056	0
LOC401137	3.072	0
LOC401152	1.45	7.09
LOC401180	0.96	0.31
LOC401218	1.738	0.05
LOC401220	2.891	0
LOC401222	2.526	0

LOC401233	2.851	0.03
LOC401242	2.785	0
LOC401252	10.372	0.01
LOC401280	3.836	0
LOC401286	4.518	0
LOC401296	2.846	0.11
LOC401308	4.548	2.2
LOC401316	4.972	14.35
LOC401317	2.288	0.13
LOC401321	7.464	0.26
LOC401329	9.261	0.01
LOC401357	6.708	0.02
LOC401393	0.681	1.31
LOC401397	2.302	0.82
LOC401398	4.294	0
LOC401399	7.304	0.08
LOC401410	5.85	0
LOC401431	5.842	0.1
LOC401433	5.816	3.46
LOC401442	1.827	0.21
LOC401447	1.593	0
LOC401497	1.966	0
LOC401498	3.581	0
LOC401525	0.372	0
LOC401533	2.672	0.37
LOC401537	0.887	0.56
LOC401565	1.124	1.67
LOC401577	1.023	9.28
LOC401602	2.798	1.66
LOC401629	0.462	0
LOC401630	0.46	0
LOC401640	0.801	4.08
LOC401646	2.883	0
LOC401648	1.233	0
LOC401650	0.684	0
LOC401676	48.693	0.03
LOC401677	0.495	0.8
LOC401679	23.596	0.12
LOC401703	1.032	3.36
LOC401705	0.755	0
LOC401708	1.121	0.53
LOC401717	15.768	0.56
LOC401720	2.436	0
LOC401721	3.363	0.03
LOC401725	0.86	0.46
LOC401730	1.448	0.13
LOC401744	1.279	2.09
LOC401767	91.04	0.02
LOC401770	0.363	7.63
LOC401772	9.638	0.04

LOC401777	19.515	0.1
LOC401805	4.121	0.24
LOC401817	0.515	0.58
LOC401822	12.755	0.01
LOC401825	0.895	0.33
LOC401847	0.516	0
LOC401859	0.501	0
LOC401863	0.664	106.54
LOC401864	1.768	0.06
LOC401865	2.925	0.04
LOC401895	0.375	0.27
LOC401898	3.381	0.12
LOC401904	0.964	0.41
LOC401911	3.951	0.1
LOC401913	0.576	0.17
LOC401914	1.304	0.38
LOC401945	0.702	0
LOC401957	0.618	13.29
LOC401959	0.861	0
LOC401960	1.892	0.21
LOC401974	0.898	0.22
LOC401975	0.846	0.82
LOC401980	1.224	0
LOC401981	3.976	0.22
LOC401982	0.956	0.73
LOC402026	0.604	5.9
LOC402036	1.089	0.09
LOC402057	0.54	565.04
LOC402069	0.44	0
LOC402076	8.157	0
LOC402093	1.281	0.08
LOC402096	26.624	0.04
LOC402100	34.743	0
LOC402102	6.269	0
LOC402110	2.606	0
LOC402112	1.195	1.33
LOC402116	4.257	0.37
LOC402117	1.231	0
LOC402120	0.342	0.58
LOC402122	0.156	0
LOC402123	0.532	0
LOC402125	4.725	0
LOC402134	7.996	0
LOC402143	1.943	1.78
LOC402145	0.351	0
LOC402146	1.429	1.18
LOC402149	7.279	35.23
LOC402150	0.762	5.71
LOC402152	0.74	0
LOC402164	1.593	0

LOC402175	0.42	3.3
LOC402176	1.763	0.45
LOC402182	2.014	0
LOC402184	0.398	0.25
LOC402191	3.514	0.73
LOC402192	0.711	0.7
LOC402198	56.663	0
LOC402199	0.597	0
LOC402207	0.597	0
LOC402213	0.709	0
LOC402214	0.616	2.25
LOC402216	1.277	45.25
LOC402217	0.546	1.27
LOC402219	38.162	0.65
LOC402221	1.105	0.27
LOC402222	1.966	0.25
LOC402226	12.371	0.11
LOC402229	1.911	0.62
LOC402230	3.392	0.26
LOC402232	0.858	0
LOC402233	4.701	0
LOC402269	1.506	0
LOC402273	32.566	0
LOC402279	1.134	0
LOC402287	0.897	0.33
LOC402329	1.201	0
LOC402342	3.247	1.1
LOC402359	109.665	0.06
LOC402360	0.902	0
LOC402375	0.291	72.08
LOC402377	1.275	1.48
LOC402382	0.675	0
LOC402394	2.284	0.13
LOC402397	3.379	0.53
LOC402408	3.195	0.22
LOC402420	11.021	0.84
LOC402422	1.334	0
LOC402425	1.358	0.29
LOC402429	31.683	0
LOC402505	20.367	0.17
LOC402509	4.547	0
LOC402569	3.207	0
LOC402573	2.008	1.33
LOC402634	0.762	0
LOC402635	6.842	0.07
LOC402641	15.719	0.07
LOC402643	1.384	0.36
LOC402644	0.992	0
LOC402676	0.524	0
LOC402679	1.884	0

LOC402682	1.914	0.05
LOC402716	17.088	0.01
LOC407835	3.474	4.5
LOC414751	4.634	0
LOC414752	7.767	0
LOC414753	10.816	0
LOC414754	1.909	1.97
LOC432369	0.368	55.39
LOC4328	1.938	1.53
LOC439945	5.892	0
LOC439949	1.403	0
LOC439950	0.554	0
LOC439951	1.37	0.58
LOC439953	0.71	0
LOC439954	0.745	0.4
LOC439957	0.435	0.46
LOC439962	2.668	0.07
LOC439985	2.57	0
LOC439992	1.532	0.97
LOC439994	2.672	1.67
LOC440013	2.619	0
LOC440014	2.682	0
LOC440015	1.255	2.84
LOC440017	2.671	0
LOC440027	0.546	1.27
LOC440031	0.854	0
LOC440040	1.828	0
LOC440041	7.941	0
LOC440043	2.359	0
LOC440055	0.559	956.8
LOC440059	15.137	0
LOC440061	6.817	0
LOC440063	0.704	0
LOC440067	7.522	0.01
LOC440083	1.161	0
LOC440087	2.104	0
LOC440093	1.057	116.72
LOC440104	4.437	17.37
LOC440125	2.977	0.23
LOC440131	0.696	0.28
LOC440142	4.559	0.41
LOC440157	2.761	2.4
LOC440180	1.817	2.34
LOC440181	0.827	0
LOC440224	24.544	0
LOC440225	28.167	0.01
LOC440233	2.44	0
LOC440243	3.63	0
LOC440248	5.7	2.73
LOC440268	0.678	0

LOC440278	12.014	0.16
LOC440287	1.155	0
LOC440292	0.984	1.11
LOC440295	3.218	0
LOC440296	0.491	0
LOC440297	22.168	0
LOC440300	19.781	0.02
LOC440302	0.49	0
LOC440304	17.066	0
LOC440311	1.595	144.53
LOC440313	3.846	0
LOC440320	3.585	0
LOC440330	0.71	0
LOC440335	0.349	0
LOC440337	1.919	0
LOC440338	3.853	0
LOC440345	7.602	1.07
LOC440348	1.089	4.73
LOC440350	1.474	0
LOC440353	24.527	0.1
LOC440354	42.485	0.23
LOC440359	1.869	120.48
LOC440361	0.537	0
LOC440366	12.305	0
LOC440386	3.886	0.16
LOC440389	0.685	0
LOC440396	1.637	0.42
LOC440456	4.642	12.6
LOC440459	4.881	0.11
LOC440461	6.672	0.08
LOC440487	0.523	1.7
LOC440489	1.332	3.41
LOC440490	0.189	7.85
LOC440491	0.801	2.72
LOC440498	1.367	19.32
LOC440508	5.462	0
LOC440511	0.984	0.8
LOC440514	2.91	9.65
LOC440518	8.905	0
LOC440525	1.134	9.33
LOC440551	1.802	216.26
LOC440558	1.284	0
LOC440563	0.753	0.39
LOC440568	7.699	0
LOC440570	2.52	0.04
LOC440575	1.166	0.17
LOC440577	1.06	4.2
LOC440587	1.142	0.86
LOC440589	0.899	1.76
LOC440595	1.694	6.72

LOC440597	0.527	0
LOC440607	0.846	0
LOC440700	1.228	0
LOC440706	2.007	0
LOC440731	0.392	1.51
LOC440733	0.907	56.94
LOC440737	0.444	48.8
LOC440742	3.58	0
LOC440748	4.345	0
LOC440776	0.92	0
LOC440786	0.321	0
LOC440792	16.273	0.09
LOC440795	3.55	0
LOC440799	1.982	0
LOC440804	6.105	0
LOC440829	2.236	3.94
LOC440836	1.722	0.17
LOC440839	1.621	0
LOC440871	0.456	0
LOC440872	6.692	0.03
LOC440888	1.338	0
LOC440895	1.993	3.57
LOC440896	4.387	0.02
LOC440900	0.81	0
LOC440902	4.748	0.04
LOC440905	3.679	0
LOC440917	1.77	19.34
LOC440925	2.117	0
LOC440926	1.059	1.87
LOC440934	2.951	0
LOC440944	3.119	1.24
LOC440956	0.324	0
LOC440973	1.573	0.63
LOC440981	0.782	0
LOC440991	0.829	243.7
LOC440992	0.52	153.35
LOC440993	2.734	5.9
LOC440995	1.08	0.92
LOC441005	1.145	0.09
LOC441009	0.734	0
LOC441013	0.945	1.05
LOC441016	0.747	0
LOC441018	0.888	0
LOC441019	0.419	5.43
LOC441026	3.086	0.35
LOC441032	3.358	4.12
LOC441034	0.891	8.99
LOC441046	1.989	0.44
LOC441052	1.47	0
LOC441056	2.666	0.07

LOC441061	2.576	0
LOC441066	9.134	0.09
LOC441070	1.513	0
LOC441073	0.536	203.78
LOC441081	6.769	0
LOC441087	1.437	0
LOC441089	1.546	1.79
LOC441097	0.829	0
LOC441098	4.424	0
LOC441108	4.146	9.16
LOC441114	0.382	44.55
LOC441119	1.131	0
LOC441120	1.692	0
LOC441124	2.763	0.21
LOC441131	0.677	0.14
LOC441132	2.631	0.11
LOC441133	76.736	0
LOC441136	2.165	0.05
LOC441150	0.552	12.55
LOC441154	7.421	0.73
LOC441155	6.151	0.73
LOC441160	4.196	0
LOC441161	0.681	0
LOC441166	0.909	1.63
LOC441177	2.064	0
LOC441178	0.396	0
LOC441179	2.718	0.11
LOC441193	3.81	1.09
LOC441208	3.648	0.79
LOC441212	6.696	0.38
LOC441218	1.52	0
LOC441220	7.263	3.76
LOC441228	15.524	0.16
LOC441233	5.078	0.12
LOC441238	2.626	1.66
LOC441239	2.534	0.47
LOC441241	0.396	1
LOC441242	3.923	0.23
LOC441251	2.132	0
LOC441253	0.528	0
LOC441257	4.048	0.1
LOC441258	2.271	0
LOC441259	1.982	0
LOC441261	1.794	0.66
LOC441268	4.702	0.16
LOC441282	1.902	0
LOC441294	4.71	0
LOC441296	0.1	0
LOC441314	1.954	0
LOC441320	0.371	0

LOC441323	1.954	0
LOC441326	1.954	0
LOC441344	0.408	20.13
LOC441376	0.75	0
LOC441377	0.452	0.22
LOC441390	2.32	0
LOC441410	1.372	0
LOC441416	59.312	0
LOC441420	8.374	0.02
LOC441426	3.205	0
LOC441440	130.003	0
LOC441442	10.501	0.02
LOC441448	0.675	0
LOC441454	0.705	7.16
LOC441455	3.761	0.48
LOC441461	0.806	0.86
LOC441476	1.198	0.83
LOC441481	0.606	17.31
LOC441484	1.99	0.15
LOC441487	4.576	0.02
LOC441489	0.715	0
LOC441490	0.738	0
LOC441493	2.386	0
LOC441495	1.62	0
LOC441505	1.632	1.4
LOC441506	1.226	0.24
LOC441511	0.6	2.64
LOC441522	2.222	0.36
LOC441528	1.203	0
LOC441533	0.438	3.84
LOC441546	0.588	0.84
LOC441548	0.848	0.35
LOC441550	3.444	1.09
LOC441551	3.468	0
LOC441553	18.995	0
LOC441554	4.201	0.09
LOC441568	0.384	0
LOC441572	1.003	0.98
LOC441581	2.078	0.19
LOC441584	0.585	0
LOC441592	0.961	0
LOC441601	19.63	0.05
LOC441609	3.228	0
LOC441616	6.653	0
LOC441617	1.737	0
LOC441623	87.355	0
LOC441630	0.378	0
LOC441632	2.723	13.23
LOC441641	0.586	0.34
LOC441642	0.8	0.25

LOC441643	0.365	0
LOC441644	107.946	0.01
LOC441654	21.299	0.02
LOC441655	0.834	0
LOC441662	0.744	0
LOC441666	25.28	0
LOC441687	51.352	0.05
LOC441698	1.883	0
LOC441711	4.128	0.46
LOC441720	15.173	0.62
LOC441722	1.228	12.89
LOC441726	0.413	16.77
LOC441728	13.601	0.01
LOC441730	45.129	0
LOC441732	301.008	0
LOC441736	27.047	0.09
LOC441737	2.343	0
LOC441742	0.624	0
LOC441744	8.652	7.65
LOC441750	1.668	0.18
LOC441768	1.176	0
LOC441774	2.043	10.99
LOC441775	0.569	50.6
LOC441781	0.458	0
LOC441783	3.537	0.05
LOC441784	9.317	0
LOC441792	0.177	0
LOC441795	0.624	0
LOC441800	22.591	0.02
LOC441806	9.06	0.25
LOC441811	56.732	0
LOC441818	2.929	1.15
LOC441843	45.73	0.01
LOC441849	0.354	0
LOC441861	3.127	0
LOC441862	1.043	0.47
LOC441864	0.348	0
LOC441870	3.824	0
LOC441873	1.751	0
LOC441876	0.918	163.38
LOC441878	0.768	0.12
LOC441880	1.466	2.77
LOC441884	48.327	0.01
LOC441887	8.365	0.32
LOC441891	0.942	2.73
LOC441893	0.988	5.41
LOC441896	9.966	0.03
LOC441897	10.159	0
LOC441899	0.51	1.16
LOC441900	8.761	0.05

LOC441904	1.237	0.8
LOC441907	0.42	1.88
LOC441914	0.548	0.54
LOC441915	3.416	0.49
LOC441925	1.296	0
LOC441931	0.627	0
LOC441938	73.341	0
LOC441940	2.189	0
LOC441956	1.839	0
LOC441957	7.762	0.01
LOC441958	1.23	0
LOC441964	1.254	0.39
LOC441969	0.318	0
LOC441996	0.483	0
LOC442006	0.853	0
LOC442013	5.463	0.12
LOC442017	0.444	6.69
LOC442019	36.18	0.01
LOC442021	7.007	0.05
LOC442028	0.565	0
LOC442035	12.015	0.01
LOC442041	3.868	0.05
LOC442042	0.423	0.23
LOC442058	0.364	1.9
LOC442060	0.734	4.58
LOC442063	0.716	0
LOC442064	1.231	1.37
LOC442077	0.216	0
LOC442078	24.655	0
LOC442086	0.625	37.83
LOC442087	1.29	2.68
LOC442097	4.36	0.02
LOC442098	1.004	0.49
LOC442108	0.35	7.35
LOC442112	1.912	6.57
LOC442113	1.569	0.69
LOC442114	0.834	0
LOC442124	0.708	0.14
LOC442128	0.732	0
LOC442131	1.037	0.48
LOC442132	2.048	0.05
LOC442142	1.166	0
LOC442147	0.39	0
LOC442150	1.11	0
LOC442153	18.116	0.03
LOC442155	1.188	0
LOC442156	124.838	0.03
LOC442157	7.847	1.3
LOC442160	0.306	0
LOC442161	1.805	0

LOC442162	0.841	0.47
LOC442164	2.007	0.15
LOC442167	1.237	3.44
LOC442171	0.669	0.15
LOC442172	9.533	0.02
LOC442175	0.246	5.63
LOC442181	8.284	0.04
LOC442192	2.872	0.55
LOC442195	1.218	0
LOC442204	0.57	0
LOC442205	1.305	0
LOC442210	8.717	0
LOC442211	0.984	4.22
LOC442215	3.661	0.62
LOC442217	0.973	3.25
LOC442221	2.84	0.25
LOC442227	0.375	0.27
LOC442229	0.21	0
LOC442231	1.06	0.1
LOC442232	0.591	1.34
LOC442233	1.221	0.81
LOC442234	0.996	0
LOC442236	88.967	0
LOC442237	67.357	0
LOC442238	5.976	0
LOC442239	0.6	0.33
LOC442240	1.365	2.4
LOC442241	3.803	0
LOC442242	0.74	0
LOC442244	0.546	1.63
LOC442245	0.654	3.78
LOC442249	1.48	0
LOC442252	1.283	0
LOC442253	17.391	0
LOC442255	1.239	0.88
LOC442256	19.742	0.01
LOC442257	0.812	0
LOC442258	0.772	19.99
LOC442260	0.471	0.42
LOC442261	0.21	0
LOC442262	1.007	0.39
LOC442263	14.098	0.13
LOC442266	1.522	0
LOC442267	1.611	1.11
LOC442270	0.5	143.46
LOC442271	3.461	0
LOC442272	6.296	0.2
LOC442283	12.487	1.58
LOC442287	0.147	0
LOC442288	6.057	0

LOC442290	1.51	0.13
LOC442291	3.196	0
LOC442292	1.082	0.09
LOC442295	0.83	0
LOC442299	1.702	0
LOC442300	5.938	0.57
LOC442304	2.877	0
LOC442308	2.664	1.15
LOC442309	0.881	4.49
LOC442316	10.92	0
LOC442317	5.009	0
LOC442318	2.848	0
LOC442319	44.74	0.02
LOC442320	1.385	0
LOC442325	7.846	0.12
LOC442326	0.726	4.09
LOC442332	1.409	0
LOC442335	0.758	0
LOC442336	0.494	0
LOC442347	0.332	0
LOC442366	0.597	0.83
LOC442367	28.043	0
LOC442381	0.222	0
LOC442388	0.972	0
LOC442389	0.398	0.25
LOC442395	47.955	0.52
LOC442396	0.583	1.19
LOC442405	1.275	0
LOC442406	1.284	0
LOC442415	139.099	0
LOC442416	69.429	0.01
LOC442421	0.372	0
LOC442423	0.525	0
LOC442426	0.908	0
LOC442427	0.528	0
LOC442429	9.855	2.74
LOC442431	0.265	0
LOC442434	24.934	0
LOC442442	0.1	0
LOC442443	73.667	0
LOC442445	0.833	0
LOC442446	22.768	0
LOC442447	0.759	1.82
LOC442448	0.912	0.76
LOC442455	45.746	0.01
LOC442459	38.867	0.02
LOC442460	0.495	0
LOC442461	0.669	0.29
LOC442465	34.84	0
LOC442479	3.322	0.03

LOC442486	5.165	0
LOC442500	7.326	0.57
LOC442501	0.915	0.32
LOC442511	44.277	0
LOC442517	34.622	0.07
LOC442523	16.438	0
LOC442525	53.555	0.08
LOC442546	10.483	0
LOC442572	2.028	0.05
LOC442573	17.718	0.11
LOC442578	2.032	1.66
LOC442582	2.702	0.07
LOC442590	2.034	0.24
LOC442609	5.328	0.04
LOC442659	0.147	0.68
LOC442660	6.057	0.02
LOC442661	26.49	0.01
LOC442663	3.196	0
LOC442664	1.082	0
LOC442666	0.783	0
LOC442668	0.83	7.04
LOC442673	5.937	0.13
LOC442676	6.601	0
LOC442677	2.878	0
LOC442707	3.988	0
LOC442709	1.409	4.49
LOC442710	0.456	0.21
LOC442712	0.758	0.65
LOC442713	0.494	0.2
LOC442720	1.974	2.4
LOC442721	3.252	0
LOC442723	1.009	100.6
LOC442726	0.808	0
LOC442727	0.332	0.9
LOC442730	4.864	0
LOC442744	9.287	0.01
LOC442747	41.03	0.01
LOC442777	0.568	23.17
LOC442863	14.742	0
LOC442864	15.688	0
LOC442865	13.342	0
LOC442866	13.342	0
LOC449518	0.225	0
LOC4687	3.328	2.32
LOC492303	1.702	0.41
LOC492311	2.871	0.04
LOC493754	56.498	0.51
LOC493869	1.37	0
LOC494127	1.34	0.81
LOC494141	2.079	0

LOC494150	1.276	0.16
LOC497190	1.865	0.11
LOC497661	1.085	7.75
LOC503540	1.732	1.66
LOC51035	1.289	96.4
LOC51057	3.508	1.27
LOC51136	1.893	2.14
LOC51149	2.066	0.82
LOC51233	1.625	7.06
LOC51252	0.962	0
LOC51255	0.716	26.25
LOC54103	4.552	3.76
LOC541469	1.461	0
LOC541473	1.96	1.36
LOC544314	2.043	5.61
LOC548599	0.635	0.93
LOC550112	0.428	2.54
LOC550631	2.64	0.19
LOC550644	1.084	4.11
LOC552891	1.448	1.71
LOC553139	2.395	0
LOC553148	6.924	0.07
LOC553158	1.752	0.12
LOC553820	10.389	0.01
LOC553939	2.586	0.19
LOC554049	1.134	1.66
LOC554175	2.251	0.09
LOC554203	1.241	0.64
LOC554224	20.512	0.24
LOC554225	19.084	0.08
LOC554226	1.904	0
LOC554234	0.502	0.2
LOC554235	0.844	1.52
LOC554251	2.719	0
LOC55565	1.822	10.91
LOC55908	1.223	0.08
LOC56964	2.409	0
LOC57228	1.239	5.59
LOC572558	0.609	0
LOC573971	3.497	0.99
LOC574080	0.729	0
LOC58489	4.176	8.41
LOC595101	72.082	0.15
LOC606495	0.838	0.71
LOC606724	0.571	11.44
LOC613037	26.038	0.19
LOC613038	4.091	1.21
LOC613206	1.516	0.33
LOC613266	2.025	0.68
LOC619207	19.426	0.26

LOC619208	2.671	0.29
LOC63920	2.807	0.25
LOC63928	2.366	0
LOC641293	0.604	0.82
LOC641311	1.558	5.85
LOC641378	2.441	0.45
LOC641379	7.282	0.48
LOC641380	3.068	0
LOC641381	0.653	0
LOC641382	3.364	0
LOC641456	0.421	3.29
LOC641457	0.424	8.63
LOC641515	1.3	0
LOC641518	1.706	3.01
LOC641522	1.333	0.45
LOC641695	1.051	0.57
LOC641696	0.699	0
LOC641705	0.626	3.64
LOC641708	11.31	0.17
LOC641717	29.056	0.01
LOC641719	0.576	0
LOC641720	29.061	0.01
LOC641727	0.794	0
LOC641728	0.264	0
LOC641730	7.769	0
LOC641734	3.095	0.04
LOC641745	1.125	0
LOC641746	0.267	0
LOC641748	0.6	0
LOC641752	1.96	0.76
LOC641755	3.722	0
LOC641761	69.252	0.13
LOC641763	0.354	1.68
LOC641765	2.13	0.33
LOC641766	0.585	0
LOC641767	0.618	0
LOC641768	0.437	0
LOC641776	1.596	0.06
LOC641777	0.88	0
LOC641784	0.377	0
LOC641787	0.794	1
LOC641789	3.153	0
LOC641790	0.375	0
LOC641796	0.432	0
LOC641798	2.23	0
LOC641803	3.554	0
LOC641808	2.16	0.18
LOC641814	0.922	0
LOC641826	0.924	0
LOC641827	0.789	0

LOC641830	0.207	0
LOC641832	0.561	0
LOC641835	0.573	0
LOC641840	0.418	0
LOC641842	73.468	0.07
LOC641844	1.267	0.16
LOC641845	1.548	0.7
LOC641849	0.793	0
LOC641850	0.808	0
LOC641853	1.322	0
LOC641856	0.495	0
LOC641857	0.342	0
LOC641858	0.666	0.15
LOC641859	1.131	0
LOC641863	0.348	0
LOC641894	0.807	0
LOC641895	0.24	0
LOC641900	1.698	0
LOC641901	1.035	0
LOC641902	0.393	0
LOC641903	0.198	0
LOC641905	0.693	0.28
LOC641909	5.663	0.04
LOC641911	0.456	2.82
LOC641912	1.781	0.12
LOC641916	3.972	0.35
LOC641920	0.776	0
LOC641922	1.5	0.06
LOC641924	18.062	0
LOC641930	2.192	0
LOC641931	0.927	0
LOC641933	4.016	0.03
LOC641936	0.303	0
LOC641940	1.77	0.05
LOC641942	0.984	0
LOC641945	6.681	0
LOC641948	2.052	0
LOC641955	0.621	0
LOC641959	0.837	0
LOC641961	1.887	0
LOC641963	0.502	0
LOC641971	0.408	0
LOC641977	2.271	1.4
LOC641980	1.65	0
LOC641983	8.043	0
LOC641987	0.483	0
LOC641990	4.55	0
LOC641992	0.569	0
LOC641994	0.954	0
LOC642002	7.485	0

LOC642004	4.382	1.49
LOC642005	0.387	0
LOC642006	37.249	0.02
LOC642007	21.831	0
LOC642009	0.788	0
LOC642014	0.675	0
LOC642018	0.216	0
LOC642019	0.69	0
LOC642024	0.879	0
LOC642026	0.576	0
LOC642030	0.839	0
LOC642031	3.13	0.47
LOC642038	0.168	0
LOC642043	14.393	0.81
LOC642044	0.994	0
LOC642045	0.636	0
LOC642051	0.687	0
LOC642056	0.576	0
LOC642059	0.839	0
LOC642072	40.331	2.11
LOC642073	15.978	0.43
LOC642074	15.574	0.76
LOC642075	0.994	0
LOC642076	0.636	0
LOC642096	23.878	0.37
LOC642131	0.618	0.32
LOC642198	2.635	0.27
LOC642255	2.785	0
LOC642259	1.045	12.59
LOC642262	1.14	0.43
LOC642263	12.151	0
LOC642276	1.257	0
LOC642277	0.246	1.21
LOC642278	0.603	0.16
LOC642284	5.625	0
LOC642288	22.298	0
LOC642290	23.173	0.01
LOC642295	0.267	0
LOC642296	2.591	0
LOC642300	61.019	0.01
LOC642305	1.048	3.87
LOC642306	12.481	0.15
LOC642307	0.938	0
LOC642311	1.611	0
LOC642313	1.637	0
LOC642317	18.138	0.21
LOC642319	29.036	0
LOC642325	8.893	0
LOC642329	11.625	0
LOC642335	2.434	0.44

LOC642337	0.525	0
LOC642340	1.023	1.16
LOC642341	0.438	0
LOC642343	0.495	0
LOC642346	12.729	0
LOC642350	1.093	0
LOC642355	0.342	0.29
LOC642357	1.31	15.18
LOC642361	2.64	1.42
LOC642362	0.69	0
LOC642366	2.33	0
LOC642367	2.19	0.91
LOC642373	45.779	0
LOC642381	0.279	0
LOC642383	0.879	0
LOC642384	2.291	0.6
LOC642385	2.405	0
LOC642389	2.601	0
LOC642395	64.887	0.48
LOC642397	90.284	0.48
LOC642398	6.697	0
LOC642399	0.542	0
LOC642401	1.121	0
LOC642402	6.927	0
LOC642406	146.29	0
LOC642413	5.047	0
LOC642414	8.311	0
LOC642421	1.131	0
LOC642423	34.357	0.01
LOC642424	0.609	0
LOC642425	7.382	0
LOC642426	1.493	0
LOC642433	0.578	0
LOC642440	0.162	0.61
LOC642441	8.151	0.04
LOC642443	2.331	1.99
LOC642446	1.71	0
LOC642448	32.046	0
LOC642450	0.879	0
LOC642451	1.805	0
LOC642452	0.588	0.17
LOC642458	2.171	0
LOC642460	50.352	0
LOC642461	0.264	0
LOC642469	15.702	0
LOC642471	0.414	0
LOC642474	8.191	0
LOC642483	0.498	0
LOC642486	0.735	0.13
LOC642487	9.009	0

LOC642490	0.506	0
LOC642493	1.305	0.08
LOC642496	13.177	0
LOC642505	0.246	11.26
LOC642511	27.485	0.03
LOC642513	2.785	0.11
LOC642515	0.867	0
LOC642521	0.513	0
LOC642522	12.833	0
LOC642533	12.636	0.46
LOC642536	0.336	0.29
LOC642538	0.522	0
LOC642539	47.219	0
LOC642544	0.472	0
LOC642545	15.172	0
LOC642546	2.737	0.43
LOC642550	0.737	0.13
LOC642554	3.737	0
LOC642555	1.332	0
LOC642559	1.378	0.36
LOC642563	0.588	0
LOC642567	1.593	0
LOC642569	7.376	0
LOC642574	1.758	0
LOC642578	0.234	0
LOC642579	8.369	0
LOC642580	0.404	0
LOC642585	1.78	2.5
LOC642587	1.37	0
LOC642588	3.515	0
LOC642590	1.67	1.19
LOC642592	4.043	0.22
LOC642597	0.984	0
LOC642599	3.199	0
LOC642609	4.29	0
LOC642612	0.69	0
LOC642614	1.218	0
LOC642617	2.124	0
LOC642622	1.059	0
LOC642623	1.182	0
LOC642627	0.348	0.57
LOC642629	3.99	0
LOC642631	10.475	0
LOC642633	1.664	0
LOC642635	24.523	0
LOC642636	1.389	0
LOC642637	0.603	0
LOC642648	1.018	3.5
LOC642652	5.728	0
LOC642656	0.894	0

LOC642658	0.606	0.16
LOC642659	1.361	29.22
LOC642661	2.413	0.04
LOC642662	1.608	0
LOC642663	0.483	0
LOC642666	0.411	0
LOC642669	0.677	0
LOC642672	0.318	0
LOC642677	0.639	0
LOC642678	0.798	0
LOC642681	0.563	0
LOC642683	6.348	0
LOC642692	0.21	0
LOC642694	0.489	0
LOC642697	19.114	0.01
LOC642702	0.374	0
LOC642704	0.444	0
LOC642707	2.322	0
LOC642721	1.556	0
LOC642727	0.222	2.67
LOC642728	3.435	0
LOC642731	0.921	0
LOC642732	4.118	0.68
LOC642734	0.855	1.97
LOC642737	1.825	0.05
LOC642738	0.578	1.2
LOC642740	0.559	0.53
LOC642741	1.31	102.86
LOC642755	1.578	0.06
LOC642758	0.357	0
LOC642759	0.696	0
LOC642765	0.465	0.21
LOC642773	0.939	0
LOC642778	23.629	0.04
LOC642781	1.58	0.62
LOC642784	1.368	14.9
LOC642788	10.595	0.01
LOC642791	38.639	0
LOC642796	0.509	0
LOC642799	23.627	0.03
LOC642802	0.771	0.39
LOC642812	1.549	3
LOC642817	1.348	0.44
LOC642818	1.135	0
LOC642826	2.136	0
LOC642828	0.928	3.52
LOC642837	1.269	0
LOC642838	2.187	0
LOC642840	7.767	0
LOC642843	0.666	0.15

LOC642846	4.413	1.93
LOC642850	54.589	0
LOC642851	14.528	0
LOC642852	0.407	1.95
LOC642861	0.213	0
LOC642872	0.816	0.49
LOC642874	0.366	0
LOC642879	30.5	0.02
LOC642888	3.747	0
LOC642890	0.504	0.59
LOC642891	0.937	0
LOC642892	0.171	4.63
LOC642893	1.011	0
LOC642894	9.641	0
LOC642897	0.964	0
LOC642907	0.874	0
LOC642909	12.302	0.22
LOC642910	2.209	1.08
LOC642921	2.763	0.25
LOC642922	0.621	0
LOC642927	0.861	0
LOC642935	33.75	0.01
LOC642936	0.498	0
LOC642940	14.139	0.26
LOC642943	9.078	0
LOC642947	1.751	0
LOC642952	1.643	0
LOC642954	2.305	4.12
LOC642956	0.689	0.28
LOC642958	4.859	0.06
LOC642959	28.158	0
LOC642975	1.471	3.7
LOC642979	1.653	0
LOC642980	4.066	0.27
LOC642991	0.684	0
LOC642996	21.231	0.01
LOC642998	0.522	2.46
LOC643001	0.333	0
LOC643008	5.585	1.24
LOC643014	9.486	0.08
LOC643015	2.147	1.2
LOC643017	0.153	0
LOC643022	0.647	0
LOC643031	0.513	95.66
LOC643033	0.981	0.2
LOC643034	1.269	0
LOC643037	0.694	0
LOC643042	0.438	0
LOC643043	0.321	0.93
LOC643050	1.338	0

LOC643052	1.059	0
LOC643058	0.65	0.61
LOC643063	0.482	0
LOC643064	36.985	0
LOC643067	1.184	0
LOC643069	1.658	0
LOC643072	1.75	1.3
LOC643073	0.603	0
LOC643079	3.029	1.44
LOC643081	0.318	0
LOC643085	1.767	0
LOC643086	0.552	0
LOC643095	9.344	0.01
LOC643100	0.618	0
LOC643101	0.24	1.24
LOC643102	3.655	0.92
LOC643106	0.894	0.22
LOC643109	0.831	1.07
LOC643114	45.348	0.01
LOC643118	8.581	0
LOC643123	19.789	0
LOC643126	7.22	0
LOC643133	1.02	0
LOC643134	0.288	0
LOC643136	5.195	1.45
LOC643143	0.398	0.25
LOC643151	4.12	0
LOC643153	2.437	0.04
LOC643157	16.976	0
LOC643159	1.44	9.83
LOC643160	11.961	0
LOC643161	0.362	0
LOC643166	52.478	0
LOC643167	2.454	34.39
LOC643168	4.486	0.53
LOC643171	19.401	0
LOC643172	2.267	0
LOC643177	13.251	0.02
LOC643179	0.195	0
LOC643181	37.189	0
LOC643182	7.231	0.03
LOC643187	32.839	0
LOC643189	0.57	0
LOC643193	0.459	11.21
LOC643194	0.749	0.27
LOC643198	1.263	0.08
LOC643199	53.31	0.01
LOC643201	0.748	0
LOC643205	0.315	0
LOC643219	27.473	0.75

LOC643220	1.256	0.48
LOC643224	1.494	0
LOC643226	0.747	0.13
LOC643227	0.15	0
LOC643228	46.62	0
LOC643232	1.271	0.39
LOC643233	0.54	0
LOC643244	1.745	0.46
LOC643255	0.682	0.73
LOC643260	0.525	55.97
LOC643263	0.586	0
LOC643264	0.859	0
LOC643271	0.324	0
LOC643275	1.187	0
LOC643276	2.757	1.33
LOC643278	0.681	0
LOC643280	9.569	0.49
LOC643281	0.636	0
LOC643287	1.371	1.3
LOC643300	2.263	1.05
LOC643305	0.681	1.16
LOC643307	51.346	0
LOC643308	1.698	0.4
LOC643309	1.118	0.09
LOC643310	0.246	0
LOC643319	1.353	20.48
LOC643321	54.805	0.01
LOC643324	0.381	0
LOC643327	0.578	5.14
LOC643329	50.382	0.08
LOC643330	0.429	0
LOC643332	0.481	0
LOC643334	0.402	0
LOC643336	0.569	1.05
LOC643338	2.492	1.35
LOC643339	0.572	0
LOC643341	0.321	0
LOC643342	2.473	0.32
LOC643345	0.168	0
LOC643348	20.367	0
LOC643353	1.125	0
LOC643355	1.794	0
LOC643358	0.83	340.67
LOC643362	0.954	0
LOC643367	4.324	0
LOC643368	0.555	0
LOC643370	7.031	0
LOC643371	230.573	0
LOC643373	0.756	1.17
LOC643377	0.639	0

LOC643382	1.02	0
LOC643384	9.678	0
LOC643386	0.552	0.71
LOC643387	2.676	4.14
LOC643395	0.282	0
LOC643397	1.577	0
LOC643412	0.961	0.52
LOC643416	0.372	0
LOC643421	0.508	0.78
LOC643427	1.581	3.94
LOC643428	0.33	0
LOC643441	2.071	0
LOC643445	9.528	0
LOC643446	4.527	3.43
LOC643447	10.801	0
LOC643449	0.539	0
LOC643454	1.288	5.45
LOC643459	3.02	0
LOC643461	0.879	0
LOC643464	0.848	0
LOC643470	10.513	0
LOC643471	1.277	1.09
LOC643474	1.134	0
LOC643475	4.904	0
LOC643479	0.322	0
LOC643491	1.035	0
LOC643494	1.074	0.46
LOC643499	0.537	43.48
LOC643503	1.203	0.33
LOC643505	0.198	4.5
LOC643506	1.083	0
LOC643507	0.74	0
LOC643513	1.591	0.37
LOC643514	0.816	0
LOC643517	0.676	0.44
LOC643519	2.151	0
LOC643524	0.666	0.15
LOC643531	0.603	0.66
LOC643533	0.423	0
LOC643534	0.489	178.25
LOC643535	1.4	0.07
LOC643536	1.717	0.69
LOC643543	1.022	0
LOC643547	0.567	0.18
LOC643550	0.411	1.93
LOC643551	0.765	0
LOC643554	0.135	0
LOC643560	68.232	0.01
LOC643561	0.351	0
LOC643562	19.175	0.99

LOC643563	0.318	0.31
LOC643579	39.58	0
LOC643582	0.827	0
LOC643586	24.498	0.47
LOC643587	16.096	0
LOC643589	10.39	0
LOC643594	2.433	0
LOC643596	0.9	0.44
LOC643599	0.506	0
LOC643605	1.159	1.71
LOC643609	21.289	0
LOC643613	20.672	0.08
LOC643615	1.119	0
LOC643617	1.04	0.76
LOC643618	0.899	0
LOC643623	2.965	0
LOC643630	2.133	0
LOC643631	0.255	1.55
LOC643634	2.452	14.73
LOC643637	1.568	0
LOC643639	4.003	0.02
LOC643641	13.208	1.39
LOC643646	4.096	0.49
LOC643652	1.568	0
LOC643653	0.751	0.52
LOC643654	0.594	0
LOC643665	0.954	0
LOC643668	1.572	1.13
LOC643669	1.092	1.18
LOC643670	0.483	12.91
LOC643677	11.201	0
LOC643678	0.96	0.41
LOC643680	0.69	0
LOC643684	1.456	0
LOC643689	1.567	1.89
LOC643694	0.864	0
LOC643696	7.191	0
LOC643699	4.018	0.08
LOC643703	1.029	0
LOC643707	34.376	0.01
LOC643709	4.994	0.02
LOC643711	0.27	0.73
LOC643714	0.999	0
LOC643717	0.616	0
LOC643718	0.367	0
LOC643719	0.616	0.16
LOC643723	0.473	0
LOC643733	6.453	1.08
LOC643737	1.272	3.73
LOC643739	8.616	0.01

LOC643744	1.235	0
LOC643745	1.101	0
LOC643746	0.919	0.11
LOC643749	0.609	3.08
LOC643750	0.501	0
LOC643751	2.407	8.43
LOC643753	0.235	10.11
LOC643759	1.137	0
LOC643762	88.782	0
LOC643766	1.319	0
LOC643768	32.494	0
LOC643770	1.825	0
LOC643778	2.829	0
LOC643779	1.004	19.81
LOC643783	1.189	0.59
LOC643784	0.788	0
LOC643789	13.146	0.01
LOC643790	1.323	2.84
LOC643802	12.773	0.02
LOC643804	0.492	0
LOC643806	1.842	0.05
LOC643810	6.157	0.03
LOC643825	1.254	0
LOC643827	84.931	0
LOC643831	0.72	0
LOC643836	17.14	0.4
LOC643845	1.263	0
LOC643851	0.189	1.05
LOC643852	5.663	0
LOC643854	3.894	0
LOC643855	0.186	0
LOC643856	4.629	0.02
LOC643858	1.349	0.07
LOC643859	3.412	0
LOC643860	69.422	0
LOC643862	1.596	0
LOC643863	0.6	2.64
LOC643870	0.646	69.07
LOC643872	1.226	0
LOC643873	1.813	19.59
LOC643875	0.3	4.61
LOC643877	14.524	0
LOC643878	0.222	0
LOC643880	1.371	0
LOC643883	0.72	1.92
LOC643884	0.564	0.18
LOC643888	5.261	0.02
LOC643894	1.073	0.18
LOC643897	1.139	21.89
LOC643898	0.512	0

LOC643901	0.411	2.17
LOC643904	0.663	0.3
LOC643905	1.17	0
LOC643906	0.741	0
LOC643909	2.271	0
LOC643915	0.894	0
LOC643916	0.339	0
LOC643921	13.248	0.07
LOC643923	0.972	0.1
LOC643926	0.375	0
LOC643932	1.642	0.18
LOC643933	0.651	0.3
LOC643936	0.657	3.16
LOC643938	0.15	0
LOC643949	0.379	617.64
LOC643950	0.723	0.41
LOC643951	0.576	0.35
LOC643954	0.625	0.16
LOC643955	29.056	0
LOC643960	0.91	0.32
LOC643962	2.741	0
LOC643965	0.444	0
LOC643971	0.772	0
LOC643972	0.486	0
LOC643974	8.735	0.42
LOC643976	1.548	1.6
LOC643981	2.277	1
LOC643983	0.597	0.83
LOC643986	0.474	0.42
LOC643987	6.576	0.09
LOC643988	2.083	0.24
LOC643989	1.563	0.06
LOC643992	2.349	0.12
LOC643996	0.895	0
LOC643997	0.646	0.3
LOC644000	0.576	0.86
LOC644006	2.759	1.76
LOC644010	2.696	8.26
LOC644012	0.678	0
LOC644013	0.746	0.13
LOC644016	1.691	0
LOC644017	29.061	0
LOC644020	6.177	0.02
LOC644021	17.921	0
LOC644022	0.386	0
LOC644023	0.204	0
LOC644026	1.011	0.1
LOC644029	0.908	56.22
LOC644030	4.979	0
LOC644035	1.853	42.5

LOC644037	1.753	1.46
LOC644038	1.621	0
LOC644042	0.947	0
LOC644045	1.816	0
LOC644050	8.244	0
LOC644051	1.346	0.22
LOC644054	0.362	0
LOC644055	0.987	0
LOC644056	0.456	0
LOC644060	1.662	4.28
LOC644063	2.903	39.78
LOC644065	0.603	0
LOC644066	0.822	0
LOC644070	28.906	0.02
LOC644075	1.041	1.9
LOC644079	7.502	0.15
LOC644082	3.011	31.91
LOC644083	2.336	0.09
LOC644090	1.781	0
LOC644092	0.849	0.46
LOC644094	77.195	0.01
LOC644096	1.147	5
LOC644098	0.387	0
LOC644100	0.387	0
LOC644101	0.901	4.51
LOC644103	0.462	0.21
LOC644106	2.198	0
LOC644109	1.179	0
LOC644110	5.663	0
LOC644111	0.558	0.36
LOC644119	0.234	5.92
LOC644124	7.972	0
LOC644129	13.733	0
LOC644131	2.221	13.5
LOC644132	10.368	0
LOC644135	0.471	0
LOC644138	9.531	0.27
LOC644140	4.457	0
LOC644141	8.26	0.88
LOC644146	0.567	20.59
LOC644151	0.631	0.16
LOC644152	0.309	0
LOC644153	2.363	0
LOC644154	9.175	0
LOC644157	2.218	2.32
LOC644158	2.701	0
LOC644159	7.769	0
LOC644160	1.116	0
LOC644165	4.606	0.06
LOC644166	0.658	0

LOC644168	0.807	0
LOC644169	2.049	1.69
LOC644170	2.138	0.04
LOC644171	0.755	0
LOC644172	1.302	1.59
LOC644173	1.373	0.36
LOC644181	8.738	0
LOC644182	0.531	0
LOC644186	0.442	0
LOC644189	1.723	0
LOC644191	0.784	0
LOC644192	0.441	0
LOC644193	0.975	0
LOC644196	4.271	0.02
LOC644198	0.346	33.74
LOC644199	79.287	0
LOC644201	3.946	0
LOC644202	2.569	0.08
LOC644203	1.556	0
LOC644213	5.275	0.04
LOC644214	0.879	0.34
LOC644215	0.829	0.48
LOC644216	0.513	0
LOC644220	1.126	8.96
LOC644222	0.586	0
LOC644223	0.577	0.52
LOC644224	1.077	0
LOC644231	68.093	0.15
LOC644232	25.923	0.02
LOC644233	11.936	0
LOC644235	5.458	0.9
LOC644236	0.794	1.37
LOC644237	2.399	0
LOC644248	2.756	0
LOC644249	0.615	0
LOC644251	1.008	0
LOC644253	1.272	1.71
LOC644256	1.573	2.9
LOC644261	0.923	0.11
LOC644264	1.556	0.57
LOC644265	0.261	0
LOC644269	14.45	0.03
LOC644276	0.777	0
LOC644277	1.992	0
LOC644280	1.167	0
LOC644282	2.645	0.56
LOC644285	2.484	0.16
LOC644295	0.759	5.47
LOC644297	2.176	0.18
LOC644302	0.609	0

LOC644303	2.558	0.08
LOC644310	0.192	5.15
LOC644315	0.72	39.57
LOC644325	2.072	0
LOC644328	1.567	1.01
LOC644330	2.672	7.48
LOC644333	0.776	3.32
LOC644334	0.258	0
LOC644335	33.018	0
LOC644339	51.5	0
LOC644350	0.794	0
LOC644353	5.825	3.02
LOC644354	0.345	0
LOC644357	0.711	0.14
LOC644361	0.834	0
LOC644363	3.306	1.61
LOC644366	0.589	0
LOC644368	0.786	0
LOC644369	11.833	0.02
LOC644378	1.176	0
LOC644383	5.139	0.17
LOC644384	0.526	0.19
LOC644387	1.619	0.36
LOC644390	6.15	9.5
LOC644397	2.718	0.18
LOC644402	0.429	0
LOC644403	1.194	0.08
LOC644410	1.035	0.1
LOC644415	0.837	0.35
LOC644419	0.195	0
LOC644422	1.445	9.38
LOC644425	0.485	0.2
LOC644429	2.565	0
LOC644431	0.42	0
LOC644436	1.34	0.22
LOC644442	0.607	0.16
LOC644445	1.584	0
LOC644449	1.132	0
LOC644451	2.116	0.19
LOC644456	2.12	9.38
LOC644459	9.664	0.05
LOC644462	2.215	0.4
LOC644464	1.03	1.06
LOC644467	43.402	0.02
LOC644472	0.963	0
LOC644477	0.492	0
LOC644482	0.243	0
LOC644484	2.079	0
LOC644489	0.547	0
LOC644491	6.54	0.04

LOC644495	4.245	0.02
LOC644496	8.191	0
LOC644497	0.69	0
LOC644498	0.444	0.22
LOC644500	0.789	0
LOC644502	0.59	0
LOC644504	0.282	0
LOC644509	1.993	0
LOC644511	0.587	75.34
LOC644517	12.366	0
LOC644518	11.775	0
LOC644522	9.64	0.15
LOC644524	1.687	0
LOC644525	0.677	0
LOC644528	0.939	0
LOC644534	0.303	1.31
LOC644538	1.612	0
LOC644540	0.348	0
LOC644541	0.43	0
LOC644548	0.735	0.54
LOC644554	0.674	0
LOC644556	1.041	1.05
LOC644557	15.885	0
LOC644558	0.831	0
LOC644563	11.057	0.28
LOC644565	0.324	0
LOC644566	4.687	0.36
LOC644567	1.572	0
LOC644569	0.156	0
LOC644573	23.97	0.01
LOC644576	2.199	0
LOC644578	0.348	0
LOC644587	1.553	0
LOC644588	1.193	3.07
LOC644589	0.249	4.77
LOC644590	0.39	12.18
LOC644591	3.856	0.03
LOC644592	0.864	0
LOC644596	0.237	0
LOC644600	10.961	0
LOC644601	48.905	0
LOC644602	2.358	0
LOC644604	1.635	7.32
LOC644616	1.144	0.18
LOC644618	54.942	0
LOC644619	69.31	0.04
LOC644620	40.227	0.01
LOC644623	117.217	0
LOC644624	0.378	0
LOC644632	4.769	0

LOC644634	4.466	0.9
LOC644637	2.172	0
LOC644638	0.557	0
LOC644644	1.128	0
LOC644649	4.125	0.14
LOC644651	0.612	0
LOC644652	1.494	0
LOC644653	19.875	0.01
LOC644659	0.255	0
LOC644660	2.041	0.1
LOC644661	45.422	0.05
LOC644662	1.05	0
LOC644669	22.637	0
LOC644670	1.956	0
LOC644674	1.325	0
LOC644681	0.288	0
LOC644682	0.27	0
LOC644684	9.502	0
LOC644691	0.222	0
LOC644693	6.033	0.41
LOC644694	2.089	0
LOC644695	0.373	0
LOC644697	2.192	0
LOC644701	0.864	1.26
LOC644704	1.368	0
LOC644711	1.104	0
LOC644714	3.156	18.99
LOC644717	1.23	0
LOC644718	0.702	0
LOC644721	0.75	0
LOC644723	0.529	0
LOC644727	2.242	1.94
LOC644728	1.977	0
LOC644730	0.574	0
LOC644732	3.234	0
LOC644734	189.212	0
LOC644739	4.444	3.85
LOC644743	1.569	0
LOC644745	2.379	1.33
LOC644746	5.714	0
LOC644749	0.285	0
LOC644753	0.446	0
LOC644754	0.552	0.71
LOC644755	0.264	0
LOC644756	1.929	0
LOC644758	2.068	0
LOC644759	6.21	0
LOC644761	1.509	5.5
LOC644762	1.591	1.06
LOC644764	0.318	0

LOC644768	50.749	0
LOC644773	1.338	0
LOC644776	1.148	0.52
LOC644777	7.768	0
LOC644779	0.435	0.68
LOC644780	28.39	0
LOC644787	0.498	0
LOC644790	0.507	2.54
LOC644791	0.585	3.56
LOC644794	0.618	3.52
LOC644800	2.805	0.95
LOC644811	6.212	0
LOC644813	0.783	0
LOC644816	0.222	0.44
LOC644817	6.142	2.69
LOC644822	51.808	0.01
LOC644827	0.279	0.35
LOC644828	0.711	0
LOC644835	0.603	0
LOC644838	0.571	0.17
LOC644841	4.016	0
LOC644844	0.534	0
LOC644850	1.009	1.96
LOC644852	3.246	0
LOC644854	4.915	0.18
LOC644860	2.48	0.04
LOC644862	0.21	0.47
LOC644868	2.268	0.09
LOC644870	3.338	0.12
LOC644871	4.257	0.42
LOC644877	1.042	3.23
LOC644879	0.866	1.83
LOC644881	0.802	0.12
LOC644885	0.843	0.12
LOC644889	0.515	0
LOC644892	1.722	0.69
LOC644893	0.954	0
LOC644896	0.79	0.37
LOC644899	1.023	0.1
LOC644906	0.98	0.3
LOC644909	51.151	0.03
LOC644911	0.642	5.09
LOC644914	1.04	0.76
LOC644915	1.288	0
LOC644924	56.141	0.03
LOC644925	1.558	0.19
LOC644926	0.159	0
LOC644931	0.357	0
LOC644934	0.447	0.22
LOC644935	1.04	0.67

LOC644936	4.282	1.69
LOC644937	0.432	3.9
LOC644941	0.695	0
LOC644943	1.848	0.05
LOC644949	2.046	0.87
LOC644950	0.407	0
LOC644953	0.921	0
LOC644961	4.243	9.98
LOC644969	0.662	78.01
LOC644972	0.867	7.08
LOC644974	1.604	0.06
LOC644976	0.526	0
LOC644978	0.672	0.15
LOC644979	2.055	0.04
LOC644982	3.609	0
LOC644988	5.309	0.28
LOC644990	1.071	0
LOC644992	0.312	0
LOC644993	0.451	2.41
LOC644994	1.014	0
LOC644996	0.403	0.74
LOC644998	5.002	0
LOC645000	6.028	8.83
LOC645001	2.891	0.65
LOC645003	2.049	0
LOC645015	1.821	0.16
LOC645018	1.6	1.73
LOC645023	0.51	0
LOC645024	0.83	0.24
LOC645027	13.885	0
LOC645030	0.386	0
LOC645037	0.542	0
LOC645045	1.017	0.29
LOC645047	3.932	0.03
LOC645053	0.371	1.6
LOC645054	0.856	0.46
LOC645065	1.37	0.07
LOC645086	1.496	3.83
LOC645088	0.549	0
LOC645089	1.62	0
LOC645090	2.496	0
LOC645094	0.507	6.63
LOC645097	39.349	0.02
LOC645101	0.596	4.82
LOC645108	0.638	0.15
LOC645118	0.21	0
LOC645120	4.715	0.06
LOC645125	26.327	0.1
LOC645126	0.201	0.49
LOC645129	1.622	0.85

LOC645132	22.845	0.03
LOC645135	3.868	0.05
LOC645136	0.246	0
LOC645137	3.389	0
LOC645139	1.671	8.77
LOC645145	0.378	0
LOC645146	0.496	0
LOC645149	0.222	0
LOC645157	0.516	0.57
LOC645158	2.013	3.15
LOC645159	0.798	0
LOC645161	0.84	0.12
LOC645162	41.631	0
LOC645163	3.102	0
LOC645166	0.818	0
LOC645173	0.948	1.98
LOC645174	0.557	0.71
LOC645175	1.45	0.48
LOC645177	1.506	0
LOC645180	1.656	0
LOC645181	0.75	0.4
LOC645183	1.128	0
LOC645188	0.679	0
LOC645195	2.002	0
LOC645197	2.655	0
LOC645201	10.871	0.01
LOC645202	3.602	0.03
LOC645203	0.345	17.49
LOC645204	25.006	0.26
LOC645207	4.782	0.21
LOC645210	1.335	0
LOC645212	1.436	0.9
LOC645218	0.698	0
LOC645220	0.237	0
LOC645221	56.556	0.03
LOC645225	0.258	0
LOC645226	3.105	0
LOC645227	0.456	0
LOC645231	2.127	0
LOC645233	3.097	0.77
LOC645237	3.613	0.49
LOC645246	0.975	0
LOC645249	2.482	0
LOC645251	47.893	0
LOC645253	0.714	0
LOC645256	0.979	0.1
LOC645257	1.297	0.15
LOC645261	1.889	0
LOC645262	0.525	0
LOC645264	3.235	0.21

LOC645266	3.097	0.92
LOC645269	0.378	0.26
LOC645272	51.092	0.01
LOC645273	0.466	0
LOC645276	0.534	0.19
LOC645277	0.731	0
LOC645280	31.153	0.01
LOC645282	0.528	0
LOC645291	2.618	1.17
LOC645292	2.325	8.72
LOC645294	30.748	0.1
LOC645297	14.758	0
LOC645299	0.496	0
LOC645301	6.513	1.56
LOC645302	1.437	0
LOC645306	23.369	0
LOC645307	3.875	0.17
LOC645311	23.687	0.04
LOC645312	0.656	1.81
LOC645313	3.75	0.08
LOC645314	1.884	0.27
LOC645317	1.574	21.24
LOC645318	0.905	2.73
LOC645319	2.882	0
LOC645320	0.539	0
LOC645321	2.385	0
LOC645323	1.115	0
LOC645324	3.554	0.03
LOC645326	1.548	0
LOC645328	3.127	0
LOC645339	0.769	0.12
LOC645347	0.934	0.96
LOC645348	11.356	0
LOC645354	3.232	0
LOC645355	0.836	0
LOC645357	0.693	0
LOC645359	1.52	0
LOC645360	0.675	0
LOC645367	2.484	0
LOC645368	0.639	15.17
LOC645371	0.21	0
LOC645373	0.846	0
LOC645379	0.927	0
LOC645381	0.603	36.75
LOC645382	9.414	0
LOC645385	21.039	0
LOC645387	0.959	26.82
LOC645388	2.449	0
LOC645390	5.782	0
LOC645395	0.846	0

LOC645397	0.375	0.27
LOC645398	0.856	0
LOC645399	9.414	0
LOC645402	1.593	0
LOC645405	1.222	0.08
LOC645412	2.026	0.63
LOC645415	8.724	0
LOC645417	0.336	0
LOC645420	0.417	0
LOC645422	1.107	1.97
LOC645423	0.923	0
LOC645426	2.949	0.1
LOC645430	1.804	0.33
LOC645431	2.111	0.37
LOC645433	1.679	0
LOC645436	0.963	0
LOC645440	0.813	1.95
LOC645443	5.269	4.34
LOC645446	0.605	0
LOC645447	0.579	2.91
LOC645448	1.344	0
LOC645452	0.845	0.47
LOC645453	2.65	0.82
LOC645464	2.427	0
LOC645466	1.782	0.66
LOC645468	3.385	1.31
LOC645470	0.543	0
LOC645474	17.506	0.02
LOC645478	0.519	0
LOC645479	22.336	0.03
LOC645481	0.513	0
LOC645482	6.114	0.08
LOC645485	2.14	0.04
LOC645486	64.701	0.99
LOC645489	0.273	0
LOC645490	1.134	0.26
LOC645495	0.543	0
LOC645503	20.692	0.02
LOC645504	0.327	0
LOC645506	0.994	5.48
LOC645508	0.132	0
LOC645513	2.66	1.23
LOC645515	1.235	1.44
LOC645521	1.093	0
LOC645527	1.059	0
LOC645528	3.398	0.18
LOC645529	1.047	0.19
LOC645534	3.157	0
LOC645538	1.31	0
LOC645544	5.059	0

LOC645548	1.826	0.11
LOC645551	4.576	0
LOC645553	1.644	0
LOC645558	1.954	0
LOC645560	0.896	4.97
LOC645561	0.958	0
LOC645565	0.831	2.14
LOC645571	0.548	0.18
LOC645572	1.954	0
LOC645573	0.694	0.14
LOC645579	7.719	3.75
LOC645581	0.786	0
LOC645586	2.462	0
LOC645587	0.366	0
LOC645590	0.297	0
LOC645592	1.08	0
LOC645598	2.744	0.18
LOC645602	1.505	0.6
LOC645603	4.667	0
LOC645605	0.96	0
LOC645614	5.607	0
LOC645615	3.909	0.53
LOC645617	0.924	4.5
LOC645619	3.497	0.06
LOC645620	1.041	0.38
LOC645626	0.92	0
LOC645627	0.855	0
LOC645630	0.117	73.57
LOC645634	14.299	0.09
LOC645638	0.452	0
LOC645641	0.309	0.32
LOC645646	4.776	0.06
LOC645650	0.522	0
LOC645651	1.954	0
LOC645652	0.475	8.33
LOC645654	0.377	1.05
LOC645655	0.555	0.53
LOC645657	3.379	0
LOC645666	24.799	0.02
LOC645668	1.358	7.28
LOC645676	3.116	5.87
LOC645680	0.561	0.18
LOC645682	1.396	0
LOC645683	0.641	4.02
LOC645685	0.66	0
LOC645687	1.166	0
LOC645688	2.338	0.17
LOC645691	1.679	0.76
LOC645693	1.421	4.04
LOC645694	45.716	0

LOC645700	0.915	0
LOC645704	54.064	0.21
LOC645705	0.276	0
LOC645715	1.697	3.61
LOC645716	0.507	0
LOC645722	0.572	0
LOC645726	7.746	0.28
LOC645730	1.365	0
LOC645733	0.901	0
LOC645740	13.772	0.05
LOC645744	1.254	4.74
LOC645747	0.428	0.23
LOC645749	4.943	0.06
LOC645752	3.455	0.06
LOC645755	0.636	0
LOC645757	1.122	0
LOC645762	0.49	0
LOC645763	4.639	0.1
LOC645769	2.445	0
LOC645771	65.195	0.11
LOC645773	2.713	0
LOC645776	0.996	0
LOC645781	1.077	0.09
LOC645787	11.822	0
LOC645790	1.658	0
LOC645794	0.573	0
LOC645798	1.213	1.22
LOC645799	1.1	0.09
LOC645804	31.094	0.04
LOC645805	0.871	29.08
LOC645807	1.894	5.59
LOC645808	1.702	0.23
LOC645809	0.435	0
LOC645811	2.495	3.64
LOC645817	0.576	0
LOC645822	13.444	0.23
LOC645830	0.321	0
LOC645834	5.984	0.02
LOC645836	1.593	0
LOC645839	0.516	0.38
LOC645841	6.527	0.03
LOC645842	7.093	0.22
LOC645843	1.296	0
LOC645846	0.802	0.25
LOC645847	0.315	0
LOC645848	0.525	0
LOC645851	1.052	1.69
LOC645852	0.837	1.77
LOC645853	0.92	0.64
LOC645857	0.572	0.35

LOC645859	0.435	0
LOC645862	0.418	0
LOC645864	1.011	0
LOC645870	1.009	5.69
LOC645874	1.287	6
LOC645877	0.267	0
LOC645879	1.954	0
LOC645884	6.698	0.04
LOC645895	2.103	0.28
LOC645899	0.424	18.9
LOC645900	6.469	0
LOC645904	1.202	0.16
LOC645914	0.468	0
LOC645915	0.561	0
LOC645916	3.873	0.15
LOC645927	0.285	2.43
LOC645930	0.198	0
LOC645931	2.028	0.39
LOC645932	1.056	0
LOC645934	101.179	0.01
LOC645936	4.572	0.73
LOC645937	1.142	1.12
LOC645938	0.845	5.38
LOC645939	5.882	0
LOC645940	1.251	0.63
LOC645941	0.717	0
LOC645944	3.352	6.26
LOC645946	0.825	0
LOC645947	0.306	0.97
LOC645949	2.391	0
LOC645950	0.914	0.44
LOC645954	59.13	0.03
LOC645955	0.448	0
LOC645957	1.667	6.11
LOC645958	1.67	46.39
LOC645960	6.958	0.37
LOC645961	19.569	0
LOC645962	0.469	0
LOC645964	0.968	0
LOC645965	1.434	3.18
LOC645966	0.738	2.41
LOC645967	1.206	0.25
LOC645968	0.793	0.5
LOC645969	0.492	22.32
LOC645971	0.837	0
LOC645973	0.808	0
LOC645978	2.83	0.07
LOC645979	0.437	0
LOC645980	34.123	0.01
LOC645984	2.8	0.04

LOC645987	0.384	0.52
LOC645991	0.384	0
LOC646004	0.585	0
LOC646012	0.42	0
LOC646013	0.418	4.03
LOC646014	0.303	1.96
LOC646016	51.106	0
LOC646019	0.792	0
LOC646021	1.031	1.83
LOC646022	2.478	14.45
LOC646024	5.856	0
LOC646030	2.434	0.16
LOC646031	2.376	0
LOC646034	0.42	0
LOC646035	0.489	0
LOC646037	1.761	0
LOC646040	1.221	0.08
LOC646043	1.198	0.08
LOC646044	3.344	0.5
LOC646048	10.095	0.88
LOC646049	0.273	0
LOC646050	1.316	0.23
LOC646051	0.453	0
LOC646052	3.001	0
LOC646053	3.508	0.12
LOC646056	0.438	0.45
LOC646057	0.903	0
LOC646058	2.34	0
LOC646065	0.738	0.27
LOC646066	0.597	0
LOC646070	0.465	0
LOC646071	1.844	0
LOC646074	2.459	0
LOC646077	0.159	0
LOC646079	1.25	0
LOC646080	1.871	3.17
LOC646085	1.315	0
LOC646086	1.444	2.06
LOC646087	0.68	0
LOC646090	52.169	0
LOC646091	3.38	0.03
LOC646093	4.736	0
LOC646096	0.807	0
LOC646098	0.315	0
LOC646103	0.597	0
LOC646104	0.399	1.49
LOC646106	0.135	0.73
LOC646108	0.583	0.17
LOC646112	2.123	0.04
LOC646114	13.966	0.01

LOC646118	0.68	1.31
LOC646119	0.627	0.79
LOC646120	0.745	0
LOC646127	32.694	0.07
LOC646130	0.645	0
LOC646132	0.651	0
LOC646139	2.358	0
LOC646140	0.74	0
LOC646158	1.197	0.08
LOC646160	0.216	0
LOC646161	2.298	0.04
LOC646163	0.216	0
LOC646164	2.965	0
LOC646170	0.834	0
LOC646171	2.811	0.81
LOC646173	0.693	0
LOC646174	0.904	0
LOC646175	0.35	0
LOC646177	0.933	0
LOC646182	0.384	0
LOC646184	0.183	0
LOC646187	2.856	0.11
LOC646189	0.531	1.49
LOC646192	0.687	0
LOC646195	0.648	400.94
LOC646196	2.744	0.39
LOC646197	10.647	0
LOC646201	1.182	0
LOC646202	17.155	1.2
LOC646203	0.716	0.28
LOC646208	1.038	0.38
LOC646213	0.258	2.68
LOC646214	6.629	1.09
LOC646215	1.287	0
LOC646216	1.924	0.52
LOC646218	1.67	0
LOC646220	2.227	11.2
LOC646231	0.992	0
LOC646236	0.57	0
LOC646237	0.324	0
LOC646243	8.309	0
LOC646252	0.303	0
LOC646253	4.973	0
LOC646254	1.992	0
LOC646255	1	3.96
LOC646256	0.588	0
LOC646260	0.258	0
LOC646261	1.295	0
LOC646262	1.989	0
LOC646269	0.81	108.83

LOC646270	6.902	0.8
LOC646272	0.219	0.45
LOC646273	1.128	0
LOC646274	46.883	0
LOC646278	25.396	0
LOC646279	0.585	6.43
LOC646282	20.603	0.19
LOC646285	0.84	1.3
LOC646289	4.59	0
LOC646290	4.497	0
LOC646292	29.2	0
LOC646294	0.946	2.2
LOC646300	1.98	0.3
LOC646301	2.659	0
LOC646314	9.495	0
LOC646316	2.85	0.03
LOC646317	0.879	0
LOC646322	5.843	0
LOC646323	4.459	0
LOC646324	0.706	0
LOC646329	2.23	1.29
LOC646330	9.46	0.15
LOC646338	0.814	0.36
LOC646340	15.818	0
LOC646344	74.034	0.02
LOC646346	6.222	0.08
LOC646347	1.69	2.28
LOC646348	0.213	4.65
LOC646352	0.513	0
LOC646357	0.479	0
LOC646358	0.138	0
LOC646359	1.514	0
LOC646362	0.52	0
LOC646363	0.723	0.41
LOC646365	0.708	3.35
LOC646366	0.486	0
LOC646370	6.384	0
LOC646373	7.365	0
LOC646377	3.889	0
LOC646378	1.804	0.17
LOC646379	0.889	0
LOC646382	5.824	0
LOC646388	0.21	0
LOC646392	0.543	1.28
LOC646395	0.624	0
LOC646396	26.249	0.95
LOC646405	0.508	0
LOC646407	0.237	0
LOC646408	0.15	0
LOC646410	0.822	0

LOC646411	8.569	0
LOC646417	0.467	0.43
LOC646425	73.998	0.01
LOC646430	2.122	0
LOC646434	2.018	0.34
LOC646437	0.726	0
LOC646438	0.408	0.48
LOC646439	0.348	0
LOC646440	27.639	0.01
LOC646442	0.774	0.38
LOC646446	0.42	0
LOC646448	0.657	0
LOC646449	0.504	0
LOC646450	1.604	1.72
LOC646457	1.107	0
LOC646462	0.315	0
LOC646463	0.342	9.54
LOC646467	0.916	0.11
LOC646470	0.741	7.07
LOC646471	2.81	1.62
LOC646472	21.677	0.01
LOC646476	0.794	0.25
LOC646479	42.032	0
LOC646482	1.674	0
LOC646483	0.919	94.63
LOC646484	3.408	0
LOC646485	0.264	2.25
LOC646486	0.423	0
LOC646489	20.555	0.88
LOC64649	0.469	0
LOC646493	0.607	0
LOC646496	0.642	40.99
LOC646498	0.621	0
LOC64650	0.42	0
LOC646500	0.693	0
LOC646505	0.171	6.36
LOC646506	2.257	0
LOC646507	0.933	0
LOC646508	0.939	0
LOC646509	0.726	0.41
LOC646510	1.017	0.78
LOC646517	4.313	4.2
LOC646520	0.69	0
LOC646522	1.445	0
LOC646526	0.621	0
LOC646527	0.793	0.62
LOC646531	19.922	0.79
LOC646532	12.163	0.88
LOC646535	1.725	0.05
LOC646538	12.776	0.03

LOC646543	0.986	0
LOC646547	18.16	0.19
LOC646548	2.469	0
LOC646555	4.161	1.21
LOC646556	0.267	1.48
LOC646557	3.469	0.08
LOC646560	1.01	0
LOC646561	2.847	2.29
LOC646565	57.257	0
LOC646566	0.29	1.02
LOC646567	0.58	0
LOC646569	0.384	0
LOC646570	1.218	0
LOC646572	1.587	0.75
LOC646574	0.93	1.07
LOC646575	5.727	0.02
LOC646576	1.368	0.36
LOC646577	0.625	0.16
LOC646578	0.693	1.72
LOC646579	0.6	0
LOC646581	0.27	0
LOC646583	0.835	0.12
LOC646584	0.6	0
LOC646585	0.807	0
LOC646587	3.492	0.03
LOC646588	3.74	0.11
LOC646590	0.497	0
LOC646595	0.513	0.77
LOC646596	0.186	0
LOC646597	0.632	0.31
LOC646603	0.846	0
LOC646604	0.558	0
LOC646608	2.298	0
LOC646609	13.915	0.1
LOC646610	20.633	0
LOC646612	49.697	0.07
LOC646614	1.96	0.91
LOC646616	1.339	0.88
LOC646619	0.147	0
LOC646620	3.722	0.13
LOC646625	0.96	0
LOC646626	0.748	0.27
LOC646628	0.387	2.81
LOC646629	0.501	0
LOC646639	1.062	0
LOC646640	3.219	0
LOC646641	0.724	0
LOC646643	2.037	0.39
LOC646644	0.648	7.03
LOC646649	0.612	0.32

LOC646654	0.444	0
LOC646658	2.266	0
LOC646666	0.808	0
LOC646667	1.479	0
LOC646670	2.097	0.05
LOC646672	0.633	1.41
LOC646674	1.261	0.24
LOC646675	0.432	1.6
LOC646677	0.351	0.84
LOC646685	0.458	0.21
LOC646688	1.378	4.02
LOC646693	3.382	0
LOC646696	1.168	1.19
LOC646698	0.975	0
LOC646700	1.026	0
LOC646702	15.572	0.03
LOC646709	1.432	0.07
LOC646710	6.872	0.96
LOC646712	0.47	0
LOC646719	2.85	3.5
LOC646720	0.994	0
LOC646721	63.83	0.27
LOC646723	1.292	0
LOC646730	0.864	0
LOC646735	3.183	0.06
LOC646736	1.355	0
LOC646737	1.466	0.07
LOC646745	0.621	0
LOC646746	1.026	0
LOC646749	3.114	0
LOC646751	0.681	0
LOC646753	0.448	0.22
LOC646754	1.353	0
LOC646755	4.643	0.06
LOC646756	1.005	1.57
LOC646758	1.14	1.04
LOC646761	3.515	0
LOC646762	8.18	0.11
LOC646766	1.004	53.12
LOC646770	8.896	0
LOC646773	14.009	0
LOC646774	0.884	0
LOC646778	2.194	0.09
LOC646779	0.415	0
LOC646784	0.976	1.02
LOC646785	0.592	230.46
LOC646787	0.377	0.27
LOC646791	1.002	22.32
LOC646792	0.879	0
LOC646794	1.873	0.32

LOC646795	0.627	0
LOC646797	75.003	0
LOC646799	1.145	0.09
LOC646800	0.576	0
LOC646801	2.198	0.5
LOC646802	2.026	0
LOC646804	1.107	0
LOC646805	22.255	0
LOC646808	0.431	0
LOC646810	19.477	0.1
LOC646813	125.276	0.01
LOC646817	1.808	0.38
LOC646819	0.464	44.99
LOC646820	2.1	0.47
LOC646821	0.459	0.21
LOC646823	0.834	0
LOC646828	22.8	0.01
LOC646836	0.24	9.89
LOC646837	3.153	6.43
LOC646839	43.369	0.14
LOC646841	0.375	2.11
LOC646842	38.885	0
LOC646845	0.609	0.49
LOC646849	0.805	0
LOC646851	2.191	0.04
LOC646853	0.273	0
LOC646854	0.837	0
LOC646860	11.312	0
LOC646862	1.116	0
LOC646863	0.357	0
LOC646864	1.956	0
LOC646869	1.347	0
LOC646870	1.659	0.18
LOC646871	1.162	0
LOC646873	0.432	6.64
LOC646874	1.479	1.34
LOC646875	1.247	0.08
LOC646877	3.112	0
LOC646879	0.504	0
LOC646880	11.657	0
LOC646884	1.253	0
LOC646886	0.414	0
LOC646890	3.698	0.19
LOC646891	8.861	0.07
LOC646895	0.582	0.17
LOC646902	0.969	0
LOC646903	1.978	0
LOC646907	9.297	0.02
LOC646908	1.153	0
LOC646909	0.554	1.43

LOC646910	1.677	0
LOC646912	5.08	0.13
LOC646913	1.419	1.05
LOC646915	2.942	0
LOC646929	33.397	0
LOC646932	1.035	0.1
LOC646934	12.82	0.62
LOC646936	1.538	0.06
LOC646938	1.84	0.43
LOC646939	1.593	0
LOC646942	0.502	0.79
LOC646945	0.336	0
LOC646947	1.255	13.32
LOC646949	0.495	694.36
LOC646951	1.383	0
LOC646953	0.234	0
LOC646954	6.058	1.3
LOC646956	5.23	0.09
LOC646960	1.948	0
LOC646966	0.49	1.61
LOC646970	1.489	0.6
LOC646973	2.916	2.2
LOC646976	2.238	3.23
LOC646980	74.49	0
LOC646982	0.402	0
LOC646985	0.195	1.01
LOC646989	0.423	0
LOC646992	0.624	1.27
LOC646993	0.627	0.63
LOC646995	2.722	0.47
LOC646999	0.408	0
LOC647000	1.137	0.09
LOC647001	1.288	6.07
LOC647002	0.7	2.97
LOC647009	5.14	0.27
LOC647011	1.116	0
LOC647012	1.853	0.16
LOC647013	1.169	0.17
LOC647015	1.247	0
LOC647016	0.195	0
LOC647020	17.6	0.21
LOC647024	0.814	0
LOC647025	0.423	0
LOC647030	0.792	9.74
LOC647031	0.393	0.51
LOC647034	0.207	104.68
LOC647037	0.252	0
LOC647038	0.467	0
LOC647039	0.596	0
LOC647041	0.963	0

LOC647042	1.606	0
LOC647044	0.816	0.12
LOC647047	9.261	1.05
LOC647049	0.904	0
LOC647051	0.78	0.51
LOC647054	0.71	0
LOC647055	1.229	0
LOC647057	19.587	0
LOC647059	0.18	0
LOC647060	4.161	0
LOC647065	1.04	2.95
LOC647066	0.911	2.5
LOC647068	12.186	0.25
LOC647069	1.371	0
LOC647070	1.019	1.75
LOC647073	32.36	0.22
LOC647074	0.334	15.1
LOC647076	6.461	1.23
LOC647077	1.515	0.07
LOC647081	1.266	0.31
LOC647082	0.423	0.46
LOC647085	0.542	0
LOC647086	1.493	1.19
LOC647087	1.548	4.34
LOC647089	0.681	0
LOC647094	0.909	0.21
LOC647102	1.074	0
LOC647104	0.636	0
LOC647109	0.637	0
LOC647112	0.41	119.93
LOC647121	52.598	0.13
LOC647126	2.437	0
LOC647131	1.45	1.3
LOC647132	14.769	0.04
LOC647133	0.21	0
LOC647134	0.417	0
LOC647135	1.388	2.21
LOC647137	3.068	0.04
LOC647138	0.496	0
LOC647144	3.521	0
LOC647145	1.65	0
LOC647150	2.816	1.19
LOC647154	0.332	0
LOC647155	0.391	0.76
LOC647156	1.338	0
LOC647157	50.545	0
LOC647158	0.98	0
LOC647162	15.87	0
LOC647163	0.66	0.9
LOC647166	1.461	0

LOC647167	1.376	4.17
LOC647169	0.651	0
LOC647174	1.964	0
LOC647175	23.089	0
LOC647176	0.495	0
LOC647177	18.331	0.02
LOC647187	47.235	0
LOC647188	0.18	0
LOC647189	1.525	0
LOC647190	3.564	0.17
LOC647194	0.627	0
LOC647195	0.74	0.67
LOC647201	3.757	0.03
LOC647202	4.166	0.97
LOC647203	1.166	0
LOC647204	0.225	0
LOC647208	20.455	0.01
LOC647209	3.433	0
LOC647211	48.559	0.01
LOC647212	1.006	0.1
LOC647215	1.794	0
LOC647216	0.741	0
LOC647217	1.604	1.91
LOC647224	47.641	0
LOC647238	0.402	0
LOC647239	0.495	0.2
LOC647243	0.507	2.92
LOC647244	0.276	2.51
LOC647247	0.192	1.03
LOC647249	30.025	0
LOC647250	0.594	0
LOC647252	0.683	0
LOC647253	2.265	0.13
LOC647259	1.135	0
LOC647262	0.306	0
LOC647264	1.316	0
LOC647265	15.037	0
LOC647275	0.249	0
LOC647276	1.46	300.75
LOC647277	1.146	0.17
LOC647278	0.222	0
LOC647279	0.558	0
LOC647280	14.699	0
LOC647281	0.493	0
LOC647285	0.468	2.12
LOC647286	1.201	0
LOC647288	2.672	0
LOC647291	1.898	0
LOC647298	3.892	0
LOC647299	18.243	0.07

LOC647302	0.31	13.09
LOC647305	2.615	2.58
LOC647307	1.342	7.89
LOC647309	1.281	0
LOC647310	0.556	0.89
LOC647313	0.733	0
LOC647315	0.543	0
LOC647317	1.014	2.15
LOC647319	7.122	0.51
LOC647415	43.552	0.02
LOC647500	1.28	0.31
LOC647503	0.386	1.54
LOC647507	1.119	0
LOC647509	0.691	0
LOC647520	1.491	0
LOC647532	3.892	0.03
LOC647540	3.334	0
LOC647569	3.75	0
LOC647678	1.782	0.05
LOC647757	1.158	0
LOC647942	0.81	0.12
LOC648044	0.216	0
LOC648149	2.989	0
LOC648154	1.638	4.11
LOC648217	0.771	89.7
LOC648230	0.378	0
LOC648237	12.591	0.02
LOC648245	0.925	8.77
LOC648282	1.494	0.13
LOC648283	24.42	0.02
LOC648294	0.471	3.57
LOC648359	1.416	0.14
LOC648415	0.303	0
LOC648442	0.88	2.25
LOC648532	0.86	0
LOC648570	1.858	0
LOC648603	0.651	4.86
LOC648665	0.609	0
LOC648708	8.828	0.07
LOC648729	0.396	88.44
LOC648774	3.685	0
LOC648846	0.564	0
LOC648890	8.558	0
LOC648926	2.054	0
LOC648927	0.987	5.71
LOC648937	18.627	0.04
LOC648947	14.479	0
LOC648980	0.491	0
LOC648987	3.595	1.46
LOC649024	30.798	0.05

LOC649095	3.498	1.69
LOC649137	1.077	0
LOC649159	1.542	4.3
LOC649166	8.6	0
LOC649186	0.603	0
LOC649198	19.423	0.02
LOC649201	1.818	0
LOC649203	0.243	0
LOC649238	1.389	0
LOC649259	0.864	0
LOC649264	0.984	0
LOC649288	0.294	0
LOC649290	0.606	0
LOC649294	1.206	0
LOC649307	4.321	0
LOC649324	3.233	0
LOC649346	1.214	0
LOC649352	1.593	0
LOC649458	0.66	0
LOC649553	24.662	0.65
LOC649618	1.137	0
LOC649671	0.603	0.66
LOC649704	8.585	0.01
LOC649798	1.557	0.12
LOC649839	0.389	0.51
LOC649853	0.33	0
LOC649925	0.82	0
LOC649946	0.641	3.09
LOC650024	0.675	0
LOC650031	0.495	0.4
LOC650059	0.483	0.61
LOC650083	0.714	0.42
LOC650095	0.996	1.39
LOC650157	17.418	0.01
LOC650218	7.452	0.38
LOC650226	161.234	0.02
LOC650236	7.825	0
LOC650340	0.786	0.37
LOC650346	2.784	0
LOC650363	0.867	0
LOC650474	2.417	0
LOC650531	11.127	0.08
LOC650560	2.43	5.7
LOC650561	2.004	0.05
LOC650609	5.072	0
LOC650612	0.528	0
LOC650623	58.186	0.01
LOC650655	43.616	0
LOC650666	83.47	1.18
LOC650708	0.813	0

LOC650747	21.384	0.02
LOC650767	2.296	0
LOC650776	0.486	0.61
LOC650789	11.937	0.01
LOC650794	1.361	0.29
LOC650823	1.356	0
LOC650866	1.1	0
LOC650901	1.123	0.26
LOC650947	0.918	0.44
LOC650951	0.475	0
LOC651033	1.2	0
LOC651042	45.866	0
LOC651053	1.987	0
LOC651091	0.726	0.13
LOC651118	9.014	0.02
LOC651141	0.147	0
LOC651144	15.992	1.52
LOC651158	0.453	0
LOC651200	4.719	0
LOC651258	5.636	0
LOC651386	0.951	0
LOC651419	43.729	0.01
LOC651628	1.288	0.84
LOC651644	0.92	0.11
LOC651746	11.93	17.7
LOC651868	0.392	0
LOC651986	1.164	0
LOC652170	1.727	0
LOC652276	11.52	0.31
LOC652419	2.858	0
LOC652423	0.838	0
LOC652489	0.786	0.12
LOC652525	9.463	0.01
LOC652549	5.937	1.77
LOC652624	2.593	0
LOC652670	1.032	0
LOC652904	0.24	0
LOC652959	0.812	0.85
LOC652963	0.898	48.37
LOC652964	0.873	0.57
LOC652968	1.508	0.46
LOC653040	1.74	0
LOC653042	4.124	0
LOC653050	4.185	0
LOC653051	1.124	0
LOC653052	1.086	6.11
LOC653053	1.317	0
LOC653056	7.242	0.11
LOC653061	12.617	0
LOC653069	0.623	0

LOC653073	1.906	0.05
LOC653075	14.444	0
LOC653079	0.591	0.17
LOC653080	3.495	0
LOC653089	1.975	0
LOC653097	0.578	0
LOC653103	1.572	13.34
LOC653104	1.059	0
LOC653107	2.042	0
LOC653108	3.054	0
LOC653110	1.901	0
LOC653111	2.163	0
LOC653113	15.07	0.02
LOC653114	1.652	0
LOC653115	1.19	9.98
LOC653117	2.229	0
LOC653122	2.176	4
LOC653123	0.372	0
LOC653125	1.9	0
LOC653135	3.219	0
LOC653137	1.747	0
LOC653146	0.231	0
LOC653151	0.928	0
LOC653155	0.321	9.25
LOC653156	1.068	0.37
LOC653160	2.3	1.8
LOC653162	0.336	0
LOC653163	0.225	0
LOC653166	1.395	0
LOC653174	3.99	0
LOC653175	3.612	0.52
LOC653185	1.858	0
LOC653186	0.478	0.41
LOC653188	60.253	0
LOC653190	29.834	0
LOC653192	1.674	0
LOC653194	0.985	0
LOC653198	0.66	2.1
LOC653199	4.482	3.2
LOC653203	0.542	0
LOC653214	0.787	66.13
LOC653232	0.749	97.36
LOC653240	1.18	0
LOC653245	0.444	0
LOC653252	0.925	1.6
LOC653256	3.571	0
LOC653264	3.22	0
LOC653265	0.396	0
LOC653269	3.989	0
LOC653270	1.748	0

LOC653275	2.067	0
LOC653276	0.639	1.24
LOC653288	2.795	0
LOC653303	1.49	1.59
LOC653305	0.444	0
LOC653314	0.905	636.92
LOC653316	4.41	0
LOC653322	2.369	7.26
LOC653325	1.297	0.84
LOC653333	1.268	0
LOC653340	3.331	5.41
LOC653348	1.983	0
LOC653354	0.594	1
LOC653355	20.635	0
LOC653363	1.469	0
LOC653364	0.585	28.58
LOC653375	1.608	1.17
LOC653380	7.136	0
LOC653381	43.454	0.07
LOC653382	2.112	0
LOC653383	0.411	0
LOC653390	39.941	0.15
LOC653406	3.035	0
LOC653414	11.865	0
LOC653419	1.858	0
LOC653420	1.877	0
LOC653427	3.109	0
LOC653428	1.611	0.06
LOC653435	22.888	0.08
LOC653436	47.597	0.01
LOC653437	1.084	0
LOC653441	5.386	6.85
LOC653449	1.003	0
LOC653450	1.527	1.62
LOC653453	62.961	0
LOC653458	0.502	0
LOC653464	6.32	3.77
LOC653479	38.233	0.42
LOC653483	1.067	0.19
LOC653486	0.436	0
LOC653491	0.555	0
LOC653492	22.267	0
LOC653498	2.055	0
LOC653501	24.631	0
LOC653503	1.075	6.26
LOC653505	3.854	0
LOC653506	1.054	0
LOC653510	35.959	0.01
LOC653511	1.301	0.15
LOC653513	1.196	0.08

LOC653519	3.972	0.65
LOC653520	0.901	0
LOC653541	0.972	0
LOC653543	2.669	0
LOC653544	2.665	0
LOC653545	2.665	0
LOC653548	2.665	0
LOC653550	0.662	0
LOC653553	24.903	0.12
LOC653557	22.058	0.08
LOC653560	0.771	0
LOC653562	11.293	0.01
LOC653566	1.96	9.13
LOC653567	3.035	13.24
LOC653583	1.342	0.52
LOC653588	1.024	0.58
LOC653590	7.156	0
LOC653593	0.381	0
LOC653598	3.854	0
LOC653606	2.124	0
LOC653629	1.014	0.1
LOC653630	0.643	0
LOC653631	2.171	2.05
LOC653635	24.608	0.38
LOC653641	3.451	0
LOC653643	3.455	0.14
LOC653653	1.494	1.26
LOC653656	0.777	0
LOC653657	0.777	0
LOC653658	0.462	586.12
LOC653665	0.571	0.17
LOC653677	1.396	0.28
LOC653690	0.27	0
LOC653695	0.222	0
LOC653698	2.087	0.85
LOC653707	96.582	0
LOC653712	0.701	0.43
LOC653720	1.899	0.05
LOC653735	0.366	0
LOC653737	0.604	0.66
LOC653740	0.21	5.65
LOC653748	0.642	0
LOC653753	1.059	0
LOC653758	0.881	1.91
LOC653768	1.703	0
LOC653769	57.612	0
LOC653772	49.242	0
LOC653773	0.378	7.07
LOC653775	3.498	0
LOC653781	3.826	0

LOC653786	40.773	0.04
LOC653789	0.366	0
LOC653794	16.008	0.01
LOC653796	1.645	21.47
LOC653800	6.432	0
LOC653801	0.982	0.91
LOC653808	1.934	0
LOC653809	1.657	0
LOC653820	6.851	0.01
LOC653841	0.555	0
LOC653852	0.921	0
LOC653895	0.171	0
LOC654029	0.696	1.42
LOC654089	0.138	0
LOC654106	0.888	0
LOC654119	0.252	0
LOC654254	48.426	0.03
LOC654337	0.119	0
LOC654338	0.121	0
LOC654340	1.761	3.09
LOC654342	0.89	0
LOC654346	1.688	0.12
LOC654350	0.797	1.37
LOC654480	0.627	32.98
LOC654484	0.386	0.77
LOC654485	0.39	0.51
LOC654486	0.423	0.23
LOC654487	1.374	1.23
LOC654780	2.689	0
LOC677762	1.033	8.24
LOC723972	0.738	13.54
LOC727721	0.545	0
LOC727722	1.713	0.06
LOC727723	0.558	0
LOC727724	1.114	0
LOC727725	1.907	35.59
LOC727726	2.542	0.78
LOC727727	0.839	0.12
LOC727728	1.097	2.61
LOC727729	0.837	0
LOC727730	0.377	0
LOC727731	0.724	0
LOC727732	4.915	0
LOC727733	1.114	0
LOC727735	9.125	0.05
LOC727736	1.993	0.6
LOC727737	8.586	0
LOC727738	1.241	1.44
LOC727739	0.586	0
LOC727741	6.409	1.08

LOC727742	2.609	0.12
LOC727743	0.714	0.69
LOC727744	0.315	0
LOC727745	0.576	0
LOC727746	3.954	0
LOC727747	0.806	0
LOC727748	3.552	0
LOC727749	0.93	0
LOC727750	0.726	0
LOC727751	0.941	0
LOC727752	1.294	0
LOC727753	5.119	0
LOC727754	1.824	0
LOC727755	2.191	0
LOC727756	1.076	0
LOC727758	1.319	17.48
LOC727759	2.167	0.04
LOC727761	1.507	0
LOC727762	1.978	0
LOC727764	1.979	0
LOC727767	1.222	0
LOC727768	1.642	0
LOC727769	0.495	0.2
LOC727770	33.17	0
LOC727771	0.54	0
LOC727773	5.464	0
LOC727775	2.39	0
LOC727776	1.362	0.29
LOC727777	0.78	0.51
LOC727778	7.873	0
LOC727779	0.509	0
LOC727780	0.575	0
LOC727781	3.282	0
LOC727784	1.222	0
LOC727785	0.708	0
LOC727786	0.716	0
LOC727787	0.996	0
LOC727788	3.331	0
LOC727789	0.893	2.66
LOC727791	2.928	0
LOC727792	0.162	8.55
LOC727793	1.416	0.14
LOC727794	0.597	0
LOC727795	1.227	0.24
LOC727796	0.393	1.26
LOC727797	3.661	0
LOC727798	0.537	0
LOC727799	0.978	0.2
LOC727801	0.708	0
LOC727802	0.738	1.47

LOC727803	0.898	0.44
LOC727804	2.06	2.36
LOC727805	11.086	0.07
LOC727806	32.835	0
LOC727807	4.868	0
LOC727808	1.479	0
LOC727809	1.765	0.22
LOC727810	0.47	1.05
LOC727811	3.028	0
LOC727812	0.567	0
LOC727813	0.444	0
LOC727814	0.432	0
LOC727815	2.406	1.69
LOC727816	0.735	10.1
LOC727817	0.453	0
LOC727818	4.506	0
LOC727819	0.317	0
LOC727820	8.16	0.37
LOC727821	0.559	0.71
LOC727822	0.84	0
LOC727823	0.27	0
LOC727824	1.221	0
LOC727825	6.328	0
LOC727826	0.565	1653.21
LOC727827	0.791	0.5
LOC727828	6.773	0
LOC727829	0.636	0.16
LOC727830	4.197	0
LOC727831	0.637	3.73
LOC727832	3.703	0
LOC727833	1.527	0.26
LOC727834	6.697	0
LOC727835	0.788	0.12
LOC727836	1.603	0
LOC727837	1.344	0
LOC727838	0.855	0
LOC727839	4.151	0.48
LOC727840	0.576	0
LOC727841	0.831	0
LOC727842	1.307	1.66
LOC727843	1.72	7.76
LOC727844	0.49	0
LOC727845	0.258	0
LOC727846	1.328	0.07
LOC727847	0.522	0
LOC727848	1.236	0
LOC727849	0.941	0
LOC727852	1.928	0.61
LOC727853	0.825	0
LOC727854	0.189	0

LOC727855	9.61	0
LOC727856	1.64	0
LOC727857	1.872	0
LOC727858	4.166	0
LOC727859	20.612	0
LOC727860	0.549	0
LOC727861	1.515	0
LOC727862	0.524	0
LOC727863	0.852	0
LOC727864	0.879	0
LOC727865	0.711	1.39
LOC727866	3.398	7.95
LOC727867	1.155	0
LOC727868	27.16	0
LOC727869	1.117	8.77
LOC727870	0.548	0
LOC727872	1.438	1.37
LOC727873	0.567	0
LOC727874	0.567	2.1
LOC727875	0.879	0
LOC727877	4.131	0
LOC727878	0.47	0
LOC727879	0.449	0
LOC727880	3.938	0
LOC727881	0.426	0
LOC727882	9.944	0
LOC727883	0.306	0
LOC727884	1.729	2.69
LOC727885	0.573	0
LOC727886	0.555	0
LOC727887	1.675	0.06
LOC727888	13.231	0
LOC727889	0.372	0
LOC727890	1.8	0
LOC727891	27.479	0.07
LOC727892	0.879	0
LOC727893	3.033	0
LOC727894	0.312	0
LOC727895	0.709	0.7
LOC727896	2.697	0.81
LOC727898	1.185	0
LOC727899	0.554	0
LOC727900	2.284	9.53
LOC727901	17.065	0
LOC727902	0.288	0
LOC727903	0.687	1.3
LOC727904	0.33	0.6
LOC727905	3.621	0
LOC727906	0.369	0
LOC727907	0.879	0

LOC727908	2.76	0
LOC727909	5.11	0.02
LOC727910	1.335	0.07
LOC727911	0.426	0
LOC727912	1.032	0
LOC727913	0.402	0.49
LOC727914	14.509	0.07
LOC727915	0.478	0
LOC727916	2	0.15
LOC727917	0.879	0
LOC727918	2.428	6.08
LOC727920	0.559	0.18
LOC727921	3.386	0.88
LOC727922	23.002	0
LOC727923	0.598	2.98
LOC727924	0.554	0
LOC727926	0.958	21.58
LOC727927	4.124	0
LOC727928	2.207	0.18
LOC727929	0.765	7.63
LOC727930	40.769	0.02
LOC727931	0.237	3.76
LOC727932	0.879	0
LOC727933	0.564	0
LOC727934	1.759	0.39
LOC727935	0.593	0
LOC727936	1.547	0
LOC727937	0.615	0.48
LOC727938	1.814	0.55
LOC727939	0.84	0.24
LOC727940	1.309	0
LOC727941	66.426	0
LOC727942	5.773	0
LOC727943	1.296	0
LOC727944	0.713	0
LOC727945	1.684	0.06
LOC727946	0.879	0
LOC727947	0.394	4.02
LOC727948	2.603	0
LOC727949	0.6	0.17
LOC727950	2.13	0
LOC727951	1.662	0
LOC727952	0.879	0
LOC727953	0.362	0
LOC727954	0.639	0
LOC727955	0.486	0
LOC727957	5.308	1.79
LOC727958	0.258	0
LOC727959	0.756	0
LOC727960	1.852	0

LOC727962	22.156	0
LOC727963	69.624	0.01
LOC727964	5.007	0
LOC727965	0.843	0
LOC727966	1.815	0
LOC727967	2.05	2.36
LOC727968	0.879	0
LOC727969	0.501	0
LOC727970	1.029	0.1
LOC727971	0.833	0.36
LOC727972	1.122	0
LOC727973	1.06	0
LOC727974	0.978	0
LOC727975	0.459	0
LOC727976	0.429	0
LOC727977	1.163	0.43
LOC727978	1.653	2.99
LOC727979	0.879	0
LOC727980	1.566	0
LOC727981	0.54	0.36
LOC727982	0.507	0
LOC727983	2.46	0
LOC727984	0.591	0.67
LOC727985	1.061	0
LOC727986	0.375	0
LOC727987	10.621	0
LOC727988	0.843	1.29
LOC727989	0.579	0
LOC727990	0.879	0
LOC727991	1.372	0.21
LOC727992	0.348	0
LOC727993	0.526	0
LOC727994	0.39	0
LOC727995	0.891	0
LOC727996	1.627	0
LOC727997	0.423	1.17
LOC727998	0.474	0
LOC727999	0.545	0
LOC728000	0.615	0
LOC728001	0.879	0
LOC728002	0.574	3.62
LOC728003	12.838	1.84
LOC728004	2.13	0
LOC728006	1.072	1.29
LOC728007	1.039	0.1
LOC728008	1.419	1.54
LOC728009	0.541	4.03
LOC728010	0.607	0.33
LOC728011	1.827	0.11
LOC728012	1.069	0

LOC728013	0.842	0
LOC728014	1.141	18.56
LOC728015	1.37	0.14
LOC728016	0.345	0
LOC728017	0.476	0.84
LOC728018	0.691	0.14
LOC728019	1.007	0.59
LOC728020	2.085	0.1
LOC728021	1.542	1.16
LOC728022	2.682	0
LOC728023	0.387	7.42
LOC728025	1.12	1.86
LOC728026	0.33	0.3
LOC728027	26.814	0
LOC728028	10.768	0
LOC728029	0.534	0
LOC728030	1.113	0.62
LOC728031	1.082	1.46
LOC728033	0.588	0
LOC728034	0.502	0
LOC728035	0.593	0
LOC728037	16.833	0
LOC728038	0.525	0
LOC728041	6.221	0.44
LOC728043	0.219	0
LOC728044	42.489	0.04
LOC728045	0.387	0
LOC728046	2.243	1.68
LOC728047	5.478	0.02
LOC728048	0.566	1.05
LOC728050	0.351	0
LOC728051	1.503	3.03
LOC728052	0.863	0.57
LOC728053	13.019	0.04
LOC728054	1.99	0
LOC728055	2.107	0.8
LOC728056	2.735	0
LOC728057	1.012	0
LOC728058	1.366	1.01
LOC728059	1.056	2.35
LOC728060	1.005	2.76
LOC728063	0.66	0
LOC728064	78.345	0
LOC728065	0.908	0
LOC728066	1.992	0.79
LOC728067	0.705	0
LOC728068	1.215	0
LOC728069	2.334	2.46
LOC728071	2.405	0.45
LOC728073	1.694	0

LOC728074	0.903	0
LOC728076	0.46	0
LOC728077	0.723	0.28
LOC728078	0.477	0
LOC728079	0.819	0.12
LOC728080	4.893	0.02
LOC728083	1.898	1.98
LOC728085	0.402	0
LOC728086	0.416	0
LOC728087	0.345	0
LOC728088	0.65	3.2
LOC728089	0.563	0
LOC728091	0.585	0
LOC728092	1.224	0
LOC728093	3.598	0
LOC728094	0.993	0
LOC728095	0.548	0
LOC728097	0.618	0
LOC728098	12.475	1
LOC728099	3.809	0.13
LOC728100	3.609	0
LOC728101	1.443	0.14
LOC728102	1.878	0.74
LOC728103	1.097	0
LOC728104	0.754	0.39
LOC728105	3.332	0.3
LOC728106	0.716	0.28
LOC728107	1.044	0.19
LOC728108	0.342	6.08
LOC728109	0.45	0
LOC728110	1.606	6.53
LOC728112	0.585	5.08
LOC728113	2.036	0
LOC728114	0.965	0
LOC728115	0.942	3.99
LOC728117	1.956	0
LOC728118	4.872	0.04
LOC728119	2.268	0
LOC728120	0.66	0
LOC728121	20.094	0
LOC728122	0.362	0
LOC728123	0.838	0
LOC728124	0.726	0
LOC728125	0.39	0
LOC728126	8.963	0.09
LOC728128	0.891	0.77
LOC728129	0.878	0.12
LOC728130	4.871	0.12
LOC728131	1.493	43.01
LOC728132	1.178	0

LOC728133	0.885	0
LOC728134	0.52	2.47
LOC728135	0.969	0
LOC728136	0.972	0
LOC728137	1.16	0
LOC728138	2.619	1.17
LOC728139	0.899	1.65
LOC728140	1.566	0
LOC728141	0.3	0
LOC728142	0.6	0.17
LOC728143	0.503	0
LOC728144	4.835	0.04
LOC728145	2.944	0
LOC728146	2.194	0
LOC728147	2.31	0.04
LOC728148	0.747	0
LOC728149	0.643	1.69
LOC728150	0.632	0
LOC728151	1.074	2.03
LOC728152	0.542	0
LOC728153	2.904	0.24
LOC728154	0.477	0.83
LOC728155	1.41	0
LOC728156	45.677	0.02
LOC728157	0.45	0
LOC728160	2.643	0
LOC728161	0.723	0
LOC728162	1.47	0
LOC728163	0.324	0.61
LOC728164	0.762	0.26
LOC728165	0.552	0
LOC728166	0.561	0
LOC728167	6.194	0
LOC728168	0.714	0
LOC728169	0.633	0
LOC728170	1.336	0.37
LOC728171	0.637	0
LOC728172	0.402	0.49
LOC728173	0.472	0
LOC728174	0.488	0
LOC728175	0.572	0.35
LOC728176	0.835	3.8
LOC728177	0.756	0
LOC728178	1.638	1.57
LOC728179	0.866	0.12
LOC728180	0.627	0
LOC728181	0.989	0
LOC728182	0.582	0
LOC728183	0.541	0
LOC728184	1.594	0.12

LOC728185	0.472	0
LOC728186	2.446	0
LOC728187	0.607	0
LOC728188	1.696	0
LOC728189	0.855	0
LOC728190	1.061	0.74
LOC728191	0.61	0
LOC728192	0.907	0
LOC728193	0.553	0
LOC728194	3.106	0.06
LOC728195	0.333	0
LOC728196	1.144	0
LOC728197	0.541	0
LOC728198	2.689	0
LOC728199	73.276	0
LOC728200	0.822	0.48
LOC728201	0.414	0
LOC728203	1.426	0
LOC728204	9.022	0
LOC728205	0.751	0.27
LOC728206	635.771	0
LOC728207	0.497	0.6
LOC728208	0.586	0
LOC728209	0.469	0
LOC728210	0.753	1.45
LOC728211	1.58	0.62
LOC728212	1.33	0
LOC728213	0.568	0.18
LOC728214	0.636	0
LOC728215	3.482	0.03
LOC728216	1.627	0
LOC728217	0.829	1.32
LOC728218	0.76	0
LOC728219	0.767	0
LOC728220	0.417	0
LOC728221	1.176	0.08
LOC728222	0.545	0
LOC728224	1.548	0
LOC728225	30.706	18.26
LOC728226	1.658	0
LOC728227	1.38	0
LOC728229	3.448	0.11
LOC728230	0.453	0
LOC728231	0.81	0
LOC728232	0.342	0
LOC728233	23.854	1.63
LOC728234	0.261	0
LOC728235	0.525	0
LOC728236	0.477	0
LOC728237	0.735	0

LOC728238	0.872	26.89
LOC728240	1.134	0
LOC728241	0.567	0
LOC728242	0.713	0
LOC728243	8.561	0
LOC728244	5.902	0.32
LOC728245	0.652	0
LOC728246	0.366	0
LOC728247	10.671	0
LOC728248	29.761	0
LOC728249	1.187	0.08
LOC728250	0.398	0
LOC728251	0.435	0
LOC728252	0.911	0.33
LOC728253	1.627	0
LOC728254	3.853	0
LOC728255	0.366	0
LOC728256	1.98	9.7
LOC728257	4.287	0.11
LOC728259	1.222	0
LOC728260	0.918	0
LOC728261	0.966	0
LOC728262	1.275	0
LOC728263	32.972	0
LOC728264	1.35	0
LOC728266	1.222	0
LOC728267	0.294	0
LOC728268	1.626	0.12
LOC728269	1.826	0
LOC728270	0.414	0
LOC728271	4.106	0
LOC728272	2.033	23.55
LOC728273	0.645	0
LOC728274	58.419	0
LOC728275	1.152	0
LOC728276	0.411	0
LOC728277	2.145	0.46
LOC728278	2.367	0
LOC728279	0.436	0
LOC728280	0.615	38.61
LOC728281	0.516	0
LOC728282	0.393	0
LOC728284	0.565	0
LOC728285	0.875	0
LOC728286	1.296	0.23
LOC728287	1.22	1.71
LOC728288	1.634	0
LOC728289	0.609	0
LOC728290	0.449	0
LOC728291	6.101	0.06

LOC728292	0.561	0
LOC728295	9.46	0
LOC728296	0.201	0
LOC728297	0.844	0
LOC728298	1.317	5.64
LOC728300	1.834	0.05
LOC728301	0.451	0.22
LOC728302	1.365	0
LOC728303	0.312	1.27
LOC728304	0.531	0
LOC728305	0.411	0
LOC728306	1.05	0
LOC728307	5.805	0
LOC728308	0.47	10.1
LOC728309	1.663	0
LOC728310	1.461	0
LOC728311	0.24	1.24
LOC728312	63.119	0
LOC728313	0.306	0
LOC728314	2.421	0.94
LOC728315	0.797	0.75
LOC728316	0.591	0
LOC728317	6.087	0
LOC728318	0.906	0
LOC728319	0.942	0.11
LOC728320	4.192	0
LOC728321	0.882	0.56
LOC728322	0.492	0
LOC728323	43.757	0.02
LOC728324	0.766	1.03
LOC728325	0.306	0.65
LOC728326	0.885	0.12
LOC728328	1.287	0.31
LOC728329	0.6	0
LOC728330	0.216	0
LOC728331	0.711	0
LOC728332	1.125	0.97
LOC728333	1.813	0.38
LOC728334	2.275	0
LOC728335	0.909	0.65
LOC728336	0.477	1.66
LOC728337	0.345	0
LOC728338	1.287	0
LOC728339	1.645	0
LOC728340	4.645	0.02
LOC728341	0.51	0
LOC728342	0.689	0
LOC728343	4.062	0
LOC728344	37.346	0.07
LOC728345	0.51	0

LOC728346	0.797	0
LOC728347	0.88	0
LOC728348	0.444	0
LOC728349	0.702	0
LOC728350	1.376	8.27
LOC728351	1.177	0
LOC728352	3.112	0.38
LOC728353	0.831	0.12
LOC728354	0.24	0
LOC728355	0.444	0
LOC728356	0.456	0
LOC728357	0.557	0.18
LOC728358	0.493	3.21
LOC728359	0.384	0.26
LOC728360	0.871	0
LOC728361	0.84	0
LOC728362	0.674	0
LOC728363	0.681	3.92
LOC728364	4.277	0
LOC728365	0.171	0
LOC728366	0.519	6.29
LOC728367	0.279	4.61
LOC728368	0.793	0.25
LOC728369	1.593	0
LOC728370	0.906	0.44
LOC728371	13.562	0.01
LOC728372	0.591	0.67
LOC728373	1.593	0
LOC728374	0.635	0.62
LOC728375	0.591	0
LOC728376	0.519	0
LOC728377	5.571	0.64
LOC728378	3.989	0
LOC728379	1.593	0
LOC728380	0.818	0.25
LOC728381	1.773	0.45
LOC728382	3.175	0
LOC728383	0.518	0
LOC728384	30.377	0
LOC728385	0.585	0
LOC728386	1.593	0
LOC728387	1.119	0
LOC728388	2.219	0
LOC728389	0.552	14.16
LOC728390	0.9	0.11
LOC728391	1.498	4.43
LOC728392	4.556	5.91
LOC728393	1.593	0
LOC728394	0.375	0
LOC728395	1.178	0

LOC728396	0.234	0
LOC728397	1.258	2.84
LOC728398	0.222	0
LOC728399	0.246	0.4
LOC728400	1.593	0
LOC728401	7.009	0.26
LOC728402	0.74	0.27
LOC728403	1.16	0
LOC728405	1.593	0
LOC728406	1.533	0.06
LOC728407	1.137	0.52
LOC728408	1.799	0
LOC728410	2.672	0
LOC728411	0.732	2.03
LOC728412	1.16	0
LOC728413	1.185	0
LOC728414	0.972	0
LOC728415	0.363	0
LOC728416	0.486	0
LOC728417	4.459	0.07
LOC728418	2.46	0
LOC728419	1.593	0
LOC728420	0.663	0
LOC728421	0.39	0
LOC728422	0.384	0
LOC728423	54.354	0.2
LOC728424	5.665	0
LOC728425	1.275	0
LOC728426	0.327	0
LOC728427	0.456	0.21
LOC728428	0.565	6.65
LOC728429	3.784	0
LOC728430	1.395	0
LOC728431	1.088	0
LOC728432	0.621	0.16
LOC728433	0.393	0
LOC728435	0.681	0
LOC728436	0.771	0
LOC728438	1.627	0
LOC728439	0.963	0
LOC728440	0.681	0
LOC728442	1.094	0
LOC728443	0.643	0
LOC728444	0.681	0
LOC728445	1.357	0.14
LOC728446	1.188	0.08
LOC728447	1.469	0
LOC728448	20.546	0.15
LOC728449	1.901	0
LOC728450	0.524	0

LOC728451	2.004	0
LOC728452	4.324	0
LOC728453	0.21	0
LOC728454	0.336	0
LOC728455	1.047	0
LOC728456	0.396	5.75
LOC728457	0.681	0
LOC728459	0.452	0
LOC728460	0.441	0
LOC728462	12.174	0.01
LOC728463	2.105	0
LOC728464	0.798	0
LOC728465	0.681	0
LOC728466	0.33	0
LOC728467	4.263	4.57
LOC728468	2.277	0.09
LOC728469	2.708	0
LOC728470	0.729	0
LOC728471	0.756	0.39
LOC728472	0.228	0
LOC728473	1.246	0
LOC728474	1.542	0
LOC728475	0.426	0
LOC728476	1.227	0
LOC728477	3.649	0.03
LOC728478	0.429	3
LOC728479	0.663	0
LOC728480	1.509	0
LOC728481	7.802	0
LOC728482	0.456	0.65
LOC728483	0.357	0
LOC728484	0.483	0.61
LOC728485	1.918	0.11
LOC728486	6.375	0
LOC728487	0.972	0.1
LOC728488	13.689	0
LOC728490	0.768	0
LOC728492	5.218	0
LOC728493	1.042	0.1
LOC728494	0.456	0.21
LOC728495	1.978	0
LOC728496	12.148	0
LOC728497	1.104	0
LOC728498	13.724	0.02
LOC728499	3.505	0
LOC728500	0.615	0
LOC728501	0.57	0
LOC728502	1.481	2.87
LOC728503	1.015	0
LOC728504	1.111	0.09

LOC728506	13.578	0
LOC728507	0.765	0
LOC728508	1.149	1.29
LOC728509	3.388	0.47
LOC728510	0.518	0
LOC728511	0.896	0.11
LOC728512	0.39	121.26
LOC728513	1.2	0
LOC728514	1.266	0.39
LOC728515	0.285	1.04
LOC728516	0.412	0
LOC728517	6.691	0
LOC728518	1.406	0.49
LOC728519	5.352	0
LOC728520	1.139	0
LOC728521	0.684	0
LOC728522	1.878	0.73
LOC728523	0.576	1.55
LOC728524	0.798	0
LOC728525	0.588	0
LOC728526	3.46	0
LOC728527	0.406	0
LOC728528	0.459	0
LOC728529	0.426	0
LOC728530	0.926	1.71
LOC728531	0.714	0.97
LOC728532	19.929	0.42
LOC728533	2.377	12.49
LOC728534	0.788	0.12
LOC728535	0.788	0
LOC728536	1.224	0.24
LOC728537	1.069	1.3
LOC728538	0.476	1.24
LOC728539	1.183	0
LOC728540	3.461	0
LOC728541	0.861	1.15
LOC728542	1.065	0
LOC728543	1.479	0.54
LOC728544	0.947	0
LOC728545	0.388	0
LOC728546	0.693	1.86
LOC728547	0.954	0
LOC728548	0.624	0
LOC728549	0.783	0.51
LOC728550	2.136	0
LOC728551	0.294	41.05
LOC728552	0.579	0.17
LOC728553	0.729	1081.38
LOC728554	10.849	4.01
LOC728555	0.981	0

LOC728557	0.702	0
LOC728558	0.647	0.46
LOC728559	1.2	0
LOC728560	2.998	1.62
LOC728561	0.813	0.85
LOC728562	4.47	0.07
LOC728563	0.12	0
LOC728564	4.601	0.69
LOC728565	94.501	0
LOC728566	0.534	0
LOC728567	0.488	0.41
LOC728569	0.738	0.13
LOC728570	1.26	0
LOC728571	1.71	0
LOC728572	0.409	2.66
LOC728573	2.209	0
LOC728574	1.167	0
LOC728575	3.46	0
LOC728576	0.966	3.07
LOC728577	5.222	0
LOC728578	1.794	0
LOC728579	0.729	0
LOC728580	0.591	0
LOC728581	0.402	0
LOC728582	0.951	0
LOC728583	0.468	0
LOC728584	0.573	0
LOC728585	0.645	1.08
LOC728587	0.408	0
LOC728588	0.87	0
LOC728589	2.565	2.35
LOC728590	0.565	54.28
LOC728591	0.98	0
LOC728592	1.898	0.37
LOC728593	0.327	0.6
LOC728594	0.66	0
LOC728595	0.454	0
LOC728596	0.441	0
LOC728597	1.596	0
LOC728598	1.122	0
LOC728599	2.04	1.6
LOC728600	0.927	0
LOC728601	1.603	0
LOC728602	15.548	0.28
LOC728603	1.425	0
LOC728604	1.38	2.29
LOC728605	0.765	0
LOC728607	0.555	0.89
LOC728610	0.849	1.4
LOC728611	8.545	0.07

LOC728612	2.314	0
LOC728613	2.362	0.3
LOC728614	1.823	0
LOC728615	4.498	0
LOC728616	0.474	0
LOC728617	0.762	1.69
LOC728618	0.546	0.54
LOC728619	1.446	0.34
LOC728620	0.744	0.13
LOC728622	0.871	4.54
LOC728623	5.248	1.43
LOC728624	0.635	0
LOC728625	0.45	0.22
LOC728626	0.826	0
LOC728627	1.288	0
LOC728628	0.645	0
LOC728629	1.484	0
LOC728630	2.673	0
LOC728631	0.366	0
LOC728632	1.245	0.24
LOC728633	0.279	0
LOC728634	0.807	0
LOC728635	1.249	0.32
LOC728636	13.088	0
LOC728637	1.04	0
LOC728639	0.906	0
LOC728640	2.52	0
LOC728641	1.038	0.57
LOC728642	2.415	34.21
LOC728643	1.064	0.65
LOC728644	55.391	0
LOC728645	0.627	2.05
LOC728646	1.683	0.47
LOC728647	1.459	0
LOC728648	1.215	0
LOC728649	1.85	0.16
LOC728650	0.447	0
LOC728651	1.206	2.21
LOC728652	0.33	0
LOC728653	2.556	0.23
LOC728654	0.584	0
LOC728655	0.484	0
LOC728656	1.524	0
LOC728657	4.21	0
LOC728658	0.715	388.28
LOC728659	1.467	0
LOC728660	0.59	0
LOC728661	6.292	22.3
LOC728662	0.224	0
LOC728663	0.396	0

LOC728664	1.522	1.04
LOC728665	1.006	0
LOC728666	0.893	0.88
LOC728667	0.486	0
LOC728668	1.143	0
LOC728669	0.519	27.83
LOC728670	1.308	0
LOC728671	0.855	0
LOC728672	1.757	5.86
LOC728673	1.48	0.07
LOC728674	0.774	0
LOC728675	0.18	0
LOC728676	0.714	0.14
LOC728677	2.186	3.17
LOC728678	3.291	0.03
LOC728679	0.933	0
LOC728680	0.768	3.35
LOC728681	0.705	1.82
LOC728682	0.207	0
LOC728683	1.366	0
LOC728684	0.642	0
LOC728685	2.292	0.04
LOC728686	0.417	10.92
LOC728687	2.055	0
LOC728688	1.839	1.83
LOC728689	4.034	41.77
LOC728690	1.812	0
LOC728691	0.63	0
LOC728692	1.584	0.31
LOC728693	0.572	0.86
LOC728694	0.58	0
LOC728696	0.723	0
LOC728697	0.594	0.17
LOC728698	6.566	1.16
LOC728699	0.483	0.82
LOC728700	1.031	0
LOC728701	1.865	0.05
LOC728702	0.627	0
LOC728703	0.3	0.33
LOC728704	2.73	1.56
LOC728705	2.176	0.73
LOC728706	1.011	2.15
LOC728707	1.361	0
LOC728708	71.841	0
LOC728709	0.818	0
LOC728710	0.297	0
LOC728711	0.9	0
LOC728713	0.231	58.25
LOC728714	0.48	2.27
LOC728715	0.659	2.4

LOC728717	0.777	0
LOC728718	0.339	0
LOC728719	2.571	1.77
LOC728720	1.62	0
LOC728721	0.624	0.95
LOC728722	0.432	0
LOC728723	0.609	0.49
LOC728725	4.246	0
LOC728726	0.555	0.18
LOC728727	0.797	0.12
LOC728728	4.059	1.04
LOC728729	0.429	0
LOC728730	0.73	10.17
LOC728731	5.52	0
LOC728732	1.259	0.55
LOC728734	3.94	0
LOC728735	110.054	0.1
LOC728736	0.429	0
LOC728737	1.027	3.46
LOC728738	0.498	0
LOC728739	1.77	0.22
LOC728741	4.253	0
LOC728742	2.3	0.09
LOC728744	1.654	0
LOC728745	0.957	0
LOC728746	1.954	0
LOC728747	3.968	0
LOC728748	1.755	0
LOC728749	0.748	0
LOC728750	0.324	0
LOC728751	0.894	0
LOC728752	0.636	0.93
LOC728753	1.954	0
LOC728754	0.412	0.24
LOC728755	0.569	0
LOC728756	0.825	0
LOC728757	0.384	0
LOC728759	60.392	0
LOC728760	1.777	0
LOC728761	1.809	0
LOC728762	0.444	0
LOC728763	4.59	0
LOC728764	4.166	0.12
LOC728765	1.72	0
LOC728766	1.481	2.41
LOC728767	0.444	0.22
LOC728768	0.64	0
LOC728769	1.776	1.79
LOC728770	5.198	0.05
LOC728771	0.606	0

LOC728772	4.025	0
LOC728773	2.033	1.89
LOC728774	0.39	0.26
LOC728775	0.74	0
LOC728777	0.459	0
LOC728778	2.297	2.28
LOC728779	0.456	0
LOC728780	2.292	0
LOC728781	0.593	0
LOC728782	0.571	0.17
LOC728783	9.457	0
LOC728784	0.447	0
LOC728785	0.471	6.51
LOC728787	3.079	5.69
LOC728788	0.993	0
LOC728789	2.359	0
LOC728790	2.336	0
LOC728791	0.531	0.75
LOC728792	0.645	0
LOC728793	0.438	0
LOC728794	0.769	6.95
LOC728796	0.978	0.1
LOC728797	1.956	0
LOC728798	1.425	0
LOC728799	2.671	0
LOC728800	1.148	0
LOC728801	0.99	0
LOC728802	4.301	0.12
LOC728804	4.812	0.29
LOC728805	1.625	0
LOC728806	2	0.75
LOC728807	16.322	0.05
LOC728808	0.576	0
LOC728809	2.211	0.18
LOC728810	0.324	0
LOC728811	15.175	0.01
LOC728812	0.49	0.2
LOC728813	4.201	0.09
LOC728814	0.63	0
LOC728815	0.588	0.17
LOC728816	0.697	0
LOC728817	1.957	1.47
LOC728818	0.757	0.13
LOC728820	0.497	0.8
LOC728821	0.429	0
LOC728822	0.828	0
LOC728823	0.466	0.43
LOC728824	1.716	0
LOC728825	1.069	0.56
LOC728826	0.327	0

LOC728827	0.762	0
LOC728828	0.684	0.44
LOC728829	0.498	0
LOC728830	0.803	0
LOC728831	0.513	0.2
LOC728832	3.734	0
LOC728833	1.261	0
LOC728834	0.554	0
LOC728835	2.035	0
LOC728836	1.468	0
LOC728837	0.864	0
LOC728838	0.758	0
LOC728839	0.444	0
LOC728840	0.324	0
LOC728841	89.339	0
LOC728842	0.484	0
LOC728843	0.811	0.36
LOC728844	1.81	71.77
LOC728845	0.369	0
LOC728846	0.81	0.74
LOC728847	0.573	0
LOC728848	0.948	2.09
LOC728849	10.12	0
LOC728850	1.925	0
LOC728851	1.208	0.33
LOC728852	1.038	0.1
LOC728853	10.792	0
LOC728854	1.613	0
LOC728855	0.536	1.11
LOC728856	1.422	0
LOC728857	0.494	0
LOC728860	3.807	0
LOC728861	0.561	0
LOC728862	7.318	29.26
LOC728863	1.323	0
LOC728864	0.642	0
LOC728866	3.167	0
LOC728867	0.489	0.2
LOC728868	2.626	0.45
LOC728869	0.332	0
LOC728870	0.621	0
LOC728871	0.39	0
LOC728872	0.876	0
LOC728873	0.342	2.32
LOC728874	1.596	12.27
LOC728875	0.536	1.11
LOC728876	0.537	0.74
LOC728877	0.492	0
LOC728878	0.93	0
LOC728879	0.744	0.13

LOC728880	0.414	0
LOC728882	3.489	0.12
LOC728883	1.05	0
LOC728884	0.519	0
LOC728885	0.74	8.69
LOC728886	2.1	0
LOC728887	1.14	1.12
LOC728888	31.849	0.18
LOC728889	1.05	0
LOC728890	1.64	0
LOC728891	6.3	0
LOC728892	0.516	0.58
LOC728893	0.771	0
LOC728894	1.581	0
LOC728895	9.275	0.37
LOC728896	1.044	0.76
LOC728897	0.441	0
LOC728898	0.702	0
LOC728899	0.228	0
LOC728900	20.143	0
LOC728901	2.336	0
LOC728902	1.044	0
LOC728903	3.915	0
LOC728904	0.728	0
LOC728905	2.359	0
LOC728906	1.122	0
LOC728907	0.984	0
LOC728908	4.012	0
LOC728909	0.42	0
LOC728910	0.497	0
LOC728912	3.539	0.2
LOC728913	3.36	9.24
LOC728914	0.638	0.62
LOC728915	0.813	0.24
LOC728916	1.653	0.12
LOC728917	1.443	0.21
LOC728919	1.451	0
LOC728920	5.372	0.02
LOC728921	0.835	0.83
LOC728922	0.465	0
LOC728923	0.774	2.68
LOC728924	0.827	0
LOC728925	0.842	0
LOC728926	2.012	0
LOC728927	1.317	6.92
LOC728928	0.882	0.78
LOC728929	1.877	0
LOC728930	0.667	0.3
LOC728931	1.442	4.94
LOC728932	1.523	0

LOC728933	1.029	0
LOC728934	0.875	0
LOC728935	1.239	0
LOC728936	10.335	0.19
LOC728937	0.49	0
LOC728939	3.88	0.03
LOC728940	0.628	0
LOC728941	0.597	1
LOC728942	1.024	0
LOC728943	0.797	0
LOC728944	2.256	0
LOC728945	1.136	0
LOC728946	0.903	0
LOC728947	0.213	0
LOC728948	0.339	0
LOC728949	0.432	0
LOC728950	0.705	0
LOC728951	0.972	0
LOC728952	0.366	0
LOC728953	0.506	266.7
LOC728954	1.793	1.21
LOC728955	0.322	0
LOC728956	1.203	0
LOC728957	3.683	0
LOC728958	0.72	0.28
LOC728959	0.54	0
LOC728960	0.579	0.85
LOC728961	0.796	0
LOC728962	0.279	0
LOC728963	0.914	0.86
LOC728964	2.129	0.56
LOC728965	2.163	0
LOC728966	0.44	0
LOC728967	1.996	0
LOC728968	1.428	0
LOC728969	4.055	1.14
LOC728970	0.688	0
LOC728971	0.948	0.31
LOC728972	0.69	0
LOC728973	0.691	1.43
LOC728974	2.301	20.25
LOC728975	1.857	0.37
LOC728976	1.821	0
LOC728977	0.603	0.33
LOC728979	0.686	34.61
LOC728980	3.211	2.25
LOC728981	0.639	0
LOC728982	0.504	0
LOC728983	1.122	0
LOC728984	0.696	4.55

LOC728985	0.6	0
LOC728986	0.264	1.5
LOC728987	0.564	0
LOC728988	0.581	0.68
LOC728989	1.876	3.11
LOC728990	35.733	0.01
LOC728991	2.143	0
LOC728992	0.894	0.44
LOC728993	0.837	0
LOC728994	1.136	6.01
LOC728995	0.678	2.48
LOC728996	2.48	0.12
LOC728997	0.6	0
LOC728998	0.285	0
LOC729000	0.825	0
LOC729001	0.261	0
LOC729002	0.564	0.18
LOC729003	3.906	2.25
LOC729004	0.734	0.94
LOC729005	0.378	0.79
LOC729006	0.547	0
LOC729007	0.456	0
LOC729008	2.153	0.14
LOC729009	22.822	0.04
LOC729010	0.994	1.99
LOC729011	0.731	0
LOC729012	0.799	0.37
LOC729013	1.165	1.27
LOC729014	1.497	0
LOC729015	1.167	0
LOC729016	0.759	4.17
LOC729017	0.936	0.11
LOC729018	0.84	1.77
LOC729021	6.544	5.59
LOC729022	0.813	1.34
LOC729023	12.784	0.03
LOC729024	0.621	0
LOC729025	1.74	0
LOC729026	0.534	0
LOC729027	1.191	6.98
LOC729028	0.906	0.44
LOC729029	1.61	1.9
LOC729030	0.888	11.47
LOC729031	0.255	0
LOC729032	0.354	0
LOC729033	2.236	1.2
LOC729034	3.057	0
LOC729035	0.378	0.78
LOC729036	1.287	0
LOC729037	0.654	0

LOC729038	0.42	0
LOC729039	1.227	0
LOC729040	1.046	0
LOC729041	1.035	0
LOC729042	0.603	0.16
LOC729043	1.215	0.41
LOC729044	1.098	0.81
LOC729045	0.859	0.12
LOC729046	1.428	0.76
LOC729047	2.751	0
LOC729048	0.543	0
LOC729049	2.882	0
LOC729050	1.434	0
LOC729051	0.551	0
LOC729053	0.387	0
LOC729054	0.949	0.2
LOC729055	12.451	0
LOC729056	0.312	0
LOC729057	1.565	0.06
LOC729059	0.952	0
LOC729060	1.049	0.47
LOC729061	0.516	0
LOC729062	0.432	0.69
LOC729063	0.531	7.46
LOC729064	0.477	0
LOC729065	0.725	0
LOC729066	0.135	0
LOC729067	0.246	0
LOC729068	0.348	0.57
LOC729069	0.526	0
LOC729070	0.788	0
LOC729071	0.393	0
LOC729072	0.615	0
LOC729073	1.328	0
LOC729074	25.563	0
LOC729075	0.195	1.52
LOC729076	0.432	0
LOC729077	0.324	0
LOC729078	0.59	0
LOC729079	0.885	0.67
LOC729080	1.08	0
LOC729081	1.89	1.1
LOC729082	0.943	3.67
LOC729083	0.897	0
LOC729084	0.528	0
LOC729085	2.628	0
LOC729086	2.95	2.59
LOC729087	0.759	0
LOC729088	1.375	1.37
LOC729089	1.455	0

LOC729090	7.158	0.26
LOC729093	2.081	0.43
LOC729094	0.706	0
LOC729095	0.756	0
LOC729096	12.696	0.18
LOC729097	0.781	13.93
LOC729098	0.585	0
LOC729099	0.615	0
LOC729100	0.183	0
LOC729101	0.601	0.17
LOC729102	0.946	0.94
LOC729103	0.714	0.42
LOC729104	0.594	0.84
LOC729105	45.852	0.01
LOC729106	0.693	0
LOC729107	0.537	0
LOC729108	1.323	0.15
LOC729109	0.916	1.08
LOC729110	0.333	0
LOC729111	0.375	0
LOC729112	0.543	0
LOC729113	0.579	0
LOC729114	0.978	0
LOC729115	0.33	0.6
LOC729116	0.225	10.11
LOC729117	0.585	0
LOC729118	8.376	0.18
LOC729119	0.615	28
LOC729120	1.117	0
LOC729121	0.881	0
LOC729122	0.628	0.16
LOC729123	1.463	0.2
LOC729124	0.903	1.64
LOC729125	0.378	0
LOC729126	0.489	0.6
LOC729127	2.068	0
LOC729128	0.378	0
LOC729129	0.666	0
LOC729130	0.553	2.86
LOC729131	7.056	0
LOC729132	0.522	0
LOC729133	0.705	0
LOC729134	0.579	0
LOC729135	3.901	1.25
LOC729136	1.167	0
LOC729137	2.198	0
LOC729138	0.397	46.11
LOC729139	0.129	4.6
LOC729140	0.312	0
LOC729141	10.499	0.18

LOC729142	2.012	0
LOC729143	3.802	6.04
LOC729144	0.744	0
LOC729145	0.471	0.21
LOC729146	0.579	3.24
LOC729147	1.008	0
LOC729148	3.877	2.14
LOC729149	1.137	0
LOC729150	1.664	0.12
LOC729151	0.861	1.38
LOC729152	0.891	0
LOC729153	5.812	0.05
LOC729154	1.502	12.78
LOC729155	0.195	0.51
LOC729156	1.452	0.28
LOC729157	1.5	0.26
LOC729158	0.552	0
LOC729159	1.248	0
LOC729160	0.447	0
LOC729161	0.559	0.71
LOC729162	1.152	0
LOC729163	0.668	0
LOC729165	0.453	0
LOC729166	0.864	0
LOC729167	0.645	0
LOC729168	13.537	0.04
LOC729169	1.824	0
LOC729170	0.953	0
LOC729172	2.428	4.36
LOC729173	2.188	0
LOC729174	0.501	0
LOC729175	0.908	0
LOC729176	2.201	0.36
LOC729177	1.993	0
LOC729178	0.333	0
LOC729179	1.458	0.07
LOC729180	0.633	0
LOC729181	0.273	1.08
LOC729182	2.298	0.9
LOC729183	0.489	0.2
LOC729184	0.936	0
LOC729185	1.207	0.08
LOC729186	0.642	0
LOC729187	1.615	0
LOC729188	0.457	0.21
LOC729189	1.577	0
LOC729190	0.765	0
LOC729191	3.079	1.03
LOC729192	0.786	0
LOC729193	4.008	0.03

LOC729194	0.567	0.7
LOC729195	2.661	0
LOC729196	1.292	0.08
LOC729197	11.355	0
LOC729198	0.775	1.91
LOC729199	2.216	0
LOC729200	0.715	9.68
LOC729202	0.414	0.24
LOC729203	1.354	0
LOC729204	1.015	0
LOC729205	0.678	0
LOC729206	0.687	0
LOC729207	0.81	1.1
LOC729208	0.519	0.19
LOC729209	1.338	2.51
LOC729210	0.549	0.9
LOC729211	22.577	0.43
LOC729212	2.575	1.15
LOC729213	63.289	0
LOC729214	1.048	0
LOC729215	0.869	0.8
LOC729216	17.802	0.03
LOC729217	142.009	0.01
LOC729218	1.04	0.95
LOC729219	0.687	0
LOC729221	0.579	0
LOC729222	57.739	0.09
LOC729223	0.864	0
LOC729225	1.76	0.11
LOC729226	12.669	0.01
LOC729227	0.744	0
LOC729228	0.687	0
LOC729229	0.509	0
LOC729230	4.871	0.04
LOC729231	1.5	0
LOC729232	0.771	3.47
LOC729233	1.847	0
LOC729234	12.593	0.38
LOC729235	0.687	0
LOC729236	0.559	444.07
LOC729238	3.672	0
LOC729239	0.417	0
LOC729240	1.847	0
LOC729241	0.546	0
LOC729242	0.557	0
LOC729243	0.366	0.27
LOC729244	0.727	0.13
LOC729245	0.975	0
LOC729246	1.847	0
LOC729247	1.092	0

LOC729248	1.622	0.79
LOC729249	0.69	0.43
LOC729250	1.847	0
LOC729251	0.281	0
LOC729252	4.704	0
LOC729253	0.45	0.44
LOC729255	0.411	8.91
LOC729256	1.14	0
LOC729257	1.296	0.08
LOC729258	1.682	0.12
LOC729259	3.218	0.09
LOC729260	1.461	0.14
LOC729261	0.273	0
LOC729262	4.868	0
LOC729264	4.938	0
LOC729265	0.481	0
LOC729266	12.205	0
LOC729267	2.057	19.77
LOC729269	3.075	0.87
LOC729270	0.273	0
LOC729271	0.474	0
LOC729272	2.957	0
LOC729273	0.273	0
LOC729274	0.889	1.56
LOC729275	1.794	1.6
LOC729276	1.02	0
LOC729277	6.78	0
LOC729278	0.273	0
LOC729279	0.458	388.84
LOC729280	1.075	0
LOC729281	0.723	1.24
LOC729282	8.574	0
LOC729283	0.243	0
LOC729284	0.273	0
LOC729285	0.958	0
LOC729286	0.591	1.67
LOC729287	0.348	0
LOC729288	0.689	0.14
LOC729289	1.99	0
LOC729290	1.849	39.6
LOC729291	3.232	0.43
LOC729292	0.668	0
LOC729293	0.213	1.4
LOC729294	2.469	0
LOC729295	1.011	0
LOC729296	1.024	0
LOC729297	2.718	0
LOC729298	0.954	1.14
LOC729299	0.768	0
LOC729300	0.483	0

LOC729301	0.641	1.08
LOC729302	0.42	0
LOC729303	1.176	0
LOC729304	0.756	0
LOC729305	1.507	0
LOC729306	0.495	0.2
LOC729307	0.541	0
LOC729309	0.899	0
LOC729310	0.44	0
LOC729311	0.786	0.25
LOC729312	0.94	0.11
LOC729313	0.665	0.6
LOC729314	11.942	0.03
LOC729315	0.666	0
LOC729316	4.566	3.57
LOC729317	1.706	28.19
LOC729318	0.717	0
LOC729319	1.062	0
LOC729320	0.864	2.06
LOC729321	0.44	0
LOC729322	1.125	0.27
LOC729323	0.44	0
LOC729325	0.609	2.44
LOC729326	1.143	0
LOC729327	0.995	1.69
LOC729328	0.228	0
LOC729329	22.405	0.03
LOC729331	0.732	0.13
LOC729332	0.414	0.48
LOC729333	1.176	0.08
LOC729334	41.675	0.11
LOC729335	0.572	0
LOC729336	1.364	0.36
LOC729337	1.081	0
LOC729338	3.727	0
LOC729339	0.273	0
LOC729340	0.659	1.05
LOC729341	0.567	0
LOC729342	2.964	0.04
LOC729343	10.682	0
LOC729344	9.351	0
LOC729345	0.366	6.49
LOC729346	0.273	0
LOC729347	0.96	2.27
LOC729348	12.008	0
LOC729349	0.598	1.49
LOC729350	5.605	0.02
LOC729351	0.546	0
LOC729352	1.063	0
LOC729353	15.188	0

LOC729355	4.95	0
LOC729356	7.842	0
LOC729357	0.318	0
LOC729358	0.58	0
LOC729360	0.417	0
LOC729361	0.765	2.46
LOC729362	0.424	445.45
LOC729363	0.52	0
LOC729364	0.567	0
LOC729365	0.348	1.99
LOC729366	1.312	0.45
LOC729367	0.984	0
LOC729368	1.884	0
LOC729369	1.538	0
LOC729370	2.185	0.18
LOC729371	0.273	0
LOC729372	0.273	0
LOC729373	0.768	1.93
LOC729374	1.107	0.36
LOC729375	13.792	0.13
LOC729376	0.465	0
LOC729377	1.446	0.48
LOC729378	0.661	0
LOC729379	0.273	0
LOC729380	0.153	0
LOC729381	0.639	0
LOC729382	0.828	0
LOC729383	0.273	0
LOC729384	1.651	0
LOC729385	0.684	0
LOC729386	1.062	1.4
LOC729387	0.273	0
LOC729388	0.501	0.2
LOC729389	0.787	96.17
LOC729390	3.316	0
LOC729391	0.507	1.17
LOC729392	4.441	0
LOC729393	0.96	1.65
LOC729394	0.273	0
LOC729395	0.894	0
LOC729396	0.627	0
LOC729397	0.732	7.57
LOC729398	0.876	0
LOC729399	188.616	0
LOC729400	3.85	0
LOC729401	0.357	0
LOC729402	0.602	0
LOC729403	1.005	1.18
LOC729404	1.854	0
LOC729405	0.531	0.19

LOC729406	0.752	0.13
LOC729407	0.851	0
LOC729408	0.624	0
LOC729409	1.581	0.06
LOC729410	0.837	0.47
LOC729411	0.72	1.1
LOC729412	0.177	0
LOC729413	0.534	0
LOC729414	0.582	1.02
LOC729415	0.699	0
LOC729417	1.206	0.58
LOC729418	0.159	1.87
LOC729419	0.261	0
LOC729421	0.823	0.48
LOC729422	0.627	0
LOC729423	7.685	0.12
LOC729424	0.855	0
LOC729425	0.699	0
LOC729426	0.566	0
LOC729427	0.755	0
LOC729429	0.645	0.31
LOC729430	1.235	1.04
LOC729431	0.627	0
LOC729432	0.46	0
LOC729433	1.005	2.46
LOC729434	0.414	0
LOC729435	0.686	7.79
LOC729436	0.768	1.16
LOC729437	0.489	0
LOC729438	0.99	0.9
LOC729439	1.067	0
LOC729440	1.825	0.76
LOC729441	0.601	1.16
LOC729442	0.627	0
LOC729443	0.615	0.64
LOC729444	1.055	0
LOC729445	0.557	0
LOC729446	7.377	0
LOC729447	0.624	0
LOC729448	0.765	0
LOC729449	70.711	0.02
LOC729450	3.615	0
LOC729451	0.681	0
LOC729452	0.761	0
LOC729453	0.768	0
LOC729454	0.6	0
LOC729455	0.549	0
LOC729456	0.273	0
LOC729457	0.831	0.6
LOC729458	0.65	0

LOC729459	0.273	0
LOC729460	1.059	1.78
LOC729461	1.72	0
LOC729462	0.273	0
LOC729463	5.015	5.32
LOC729464	1.029	0
LOC729465	0.613	0
LOC729466	0.719	18.72
LOC729467	1.461	0
LOC729468	0.543	0
LOC729469	0.903	0
LOC729470	0.828	0.12
LOC729471	1.227	0.73
LOC729472	0.384	0
LOC729473	0.222	7.13
LOC729474	1.149	0
LOC729476	0.939	0
LOC729477	0.873	0
LOC729478	0.444	0.44
LOC729479	0.563	0
LOC729480	0.536	0.37
LOC729481	0.579	0.52
LOC729482	0.417	5.46
LOC729483	0.339	1.16
LOC729484	0.537	0.92
LOC729485	0.563	0
LOC729486	10.179	0.1
LOC729487	1.314	0.07
LOC729488	2.009	0
LOC729489	0.729	0
LOC729490	0.585	0.51
LOC729491	1.347	0
LOC729492	0.593	0
LOC729493	4.895	1.98
LOC729494	0.959	14.55
LOC729495	5.152	0.19
LOC729496	1.032	4.12
LOC729497	4.397	0.77
LOC729498	0.393	0.51
LOC729499	0.255	0
LOC729500	0.563	0
LOC729501	1.377	0
LOC729502	0.603	0
LOC729503	1.2	0.25
LOC729504	1.485	0.06
LOC729505	1.74	0
LOC729506	4.134	2.8
LOC729507	0.888	0
LOC729508	0.575	0
LOC729509	0.615	1.93

LOC729510	1.028	0
LOC729511	1.107	0.18
LOC729512	0.393	0
LOC729513	29.24	0.12
LOC729514	0.834	0
LOC729515	1.786	5.87
LOC729516	1.844	0
LOC729517	1.62	0.18
LOC729518	1.883	1.37
LOC729519	2.223	0.18
LOC729520	0.394	0
LOC729521	0.624	0
LOC729522	52.757	0.01
LOC729523	0.237	0
LOC729524	6.248	0
LOC729525	0.552	0
LOC729526	0.417	0
LOC729527	0.414	0
LOC729528	2.021	0
LOC729529	0.541	0
LOC729530	3.996	27.83
LOC729531	0.246	0.4
LOC729532	0.822	7.58
LOC729533	6.847	0.11
LOC729534	0.878	0
LOC729535	0.733	0
LOC729536	0.416	89.9
LOC729537	0.381	0
LOC729538	1.104	0.09
LOC729541	1.131	0.79
LOC729542	0.645	0.92
LOC729543	0.546	0
LOC729544	0.123	0
LOC729545	1.2	0.33
LOC729546	0.357	0
LOC729547	0.873	0.57
LOC729548	2.254	0.27
LOC729549	1.65	0.06
LOC729550	16.433	0.01
LOC729551	0.306	0
LOC729552	0.672	0
LOC729553	0.57	0.17
LOC729554	0.825	4.2
LOC729555	0.348	0
LOC729556	0.817	0.73
LOC729557	0.579	4.78
LOC729558	0.598	0
LOC729559	2.146	5.99
LOC729560	0.498	0
LOC729561	16.966	1.43

LOC729562	0.411	0
LOC729563	1.389	1.07
LOC729564	1.197	0
LOC729565	0.637	7.45
LOC729566	0.408	3.39
LOC729567	0.606	0.65
LOC729568	0.72	0
LOC729569	1.216	0
LOC729570	1.356	3.64
LOC729571	0.507	0
LOC729572	0.363	0
LOC729573	0.432	0
LOC729574	0.51	0
LOC729575	0.837	0.12
LOC729576	0.963	0.72
LOC729577	0.126	0.78
LOC729578	0.798	0
LOC729579	0.507	3.32
LOC729580	1.192	28.55
LOC729581	1.791	0
LOC729582	0.579	0
LOC729583	0.466	0
LOC729584	1.536	0.52
LOC729585	0.432	0
LOC729586	0.765	3.88
LOC729587	0.531	0
LOC729588	0.234	0
LOC729589	0.464	0
LOC729590	0.846	0
LOC729591	0.637	0
LOC729592	0.582	0
LOC729593	0.543	0
LOC729594	0.512	0
LOC729595	0.606	0
LOC729596	0.576	0
LOC729597	1.373	0
LOC729598	0.426	0.23
LOC729599	1.179	0.25
LOC729600	0.636	0.31
LOC729601	0.611	0
LOC729602	1.119	0.53
LOC729603	3.131	6.92
LOC729604	8.124	0.19
LOC729605	4.638	0.02
LOC729606	0.561	6.88
LOC729607	1.041	0.1
LOC729608	1.507	6.37
LOC729609	0.567	0
LOC729610	1.114	0.8
LOC729611	0.825	0.84

LOC729612	0.42	0
LOC729613	0.837	0
LOC729614	1.559	1.59
LOC729615	1.596	0
LOC729616	1.146	1.21
LOC729618	1.035	0
LOC729619	0.597	0
LOC729620	0.563	0
LOC729621	0.318	0.93
LOC729622	0.879	0.22
LOC729623	0.867	0
LOC729624	0.747	0.66
LOC729625	0.975	0.3
LOC729626	0.54	0.55
LOC729627	0.801	0
LOC729628	0.504	0
LOC729629	0.84	1.77
LOC729630	1.05	0
LOC729631	0.984	1.1
LOC729632	0.813	1.34
LOC729633	2.655	1.49
LOC729634	1.348	0
LOC729635	0.567	0
LOC729636	0.747	0
LOC729637	0.593	0.84
LOC729638	1.287	0
LOC729639	2.263	0
LOC729640	0.792	1.12
LOC729641	1.227	0
LOC729642	0.734	0.13
LOC729643	0.798	0
LOC729644	0.62	0.48
LOC729645	0.45	0
LOC729646	6.91	6.64
LOC729647	15.964	0.01
LOC729648	7.461	0.09
LOC729649	0.825	0
LOC729650	0.366	0
LOC729651	0.526	0
LOC729652	3.264	0
LOC729653	0.593	0
LOC729654	1.245	0
LOC729655	61.556	0
LOC729656	0.576	0
LOC729657	1.016	1.08
LOC729658	0.556	0
LOC729659	0.309	0
LOC729660	8.351	0.74
LOC729661	0.432	0.69
LOC729663	0.871	0

LOC729664	0.717	0
LOC729665	87.38	0.01
LOC729666	37.964	0.08
LOC729667	0.711	0
LOC729668	11.994	0.01
LOC729669	0.678	0
LOC729670	0.657	0.3
LOC729671	1.038	0
LOC729672	0.802	0
LOC729673	4.32	0.09
LOC729674	9.238	0.99
LOC729675	0.794	0.12
LOC729676	0.894	1.22
LOC729677	0.81	1.1
LOC729678	2.392	3.06
LOC729679	0.943	2.31
LOC729680	1.622	0.12
LOC729681	1.815	0
LOC729682	5.555	0
LOC729683	2.086	1.66
LOC729684	0.471	4.2
LOC729685	1.11	0.8
LOC729686	1.276	0.16
LOC729687	0.379	0
LOC729688	0.654	1.81
LOC729689	4.406	0
LOC729690	0.777	0.38
LOC729691	1.023	0.1
LOC729692	0.42	3.3
LOC729693	0.42	0
LOC729694	0.597	0
LOC729695	0.597	0
LOC729696	2.302	0.73
LOC729697	0.699	0
LOC729698	0.597	0
LOC729699	0.669	0
LOC729700	0.597	0
LOC729701	27.201	0.05
LOC729702	0.633	0
LOC729703	0.597	0
LOC729704	0.563	0
LOC729705	0.561	0.7
LOC729706	0.597	0
LOC729707	1.35	0
LOC729708	1.997	4.86
LOC729709	0.99	0
LOC729710	0.935	0
LOC729711	0.597	0
LOC729712	0.639	0
LOC729713	1.509	1.25

LOC729714	0.636	0.47
LOC729715	0.643	0
LOC729716	0.105	0
LOC729717	0.416	0
LOC729718	0.669	0.15
LOC729719	0.597	0
LOC729720	0.714	0
LOC729721	0.747	0
LOC729722	0.72	0
LOC729723	0.549	0.54
LOC729724	0.597	0
LOC729725	0.426	0
LOC729728	0.891	0
LOC729729	1.284	0.08
LOC729730	0.798	0
LOC729731	0.597	0
LOC729732	0.396	0
LOC729733	0.699	0
LOC729734	0.729	0
LOC729735	0.597	0
LOC729736	0.498	0
LOC729737	1.039	0
LOC729738	0.81	0
LOC729739	14.03	0
LOC729740	0.526	0
LOC729741	1.311	0
LOC729742	39.389	0.01
LOC729743	1.225	0
LOC729744	0.969	0
LOC729745	0.873	0.45
LOC729746	0.857	0.46
LOC729747	1.737	0.28
LOC729748	1.029	1.44
LOC729749	0.407	6.08
LOC729750	0.129	13.81
LOC729751	2.539	15.67
LOC729752	0.792	0
LOC729753	0.516	0
LOC729754	12.091	0
LOC729755	0.622	0
LOC729756	0.765	0
LOC729757	0.978	0
LOC729758	0.432	0.46
LOC729760	0.896	0.11
LOC729761	0.381	0
LOC729762	1.242	0
LOC729763	0.31	0
LOC729764	10.893	0.01
LOC729765	0.753	0
LOC729766	0.78	0

LOC729767	1.197	0
LOC729768	0.558	6.02
LOC729769	0.342	0
LOC729770	1.95	0.05
LOC729771	0.525	0.19
LOC729772	0.669	0
LOC729773	0.472	0.21
LOC729774	0.718	0
LOC729775	0.763	2.34
LOC729776	0.368	1.08
LOC729777	1.276	0.77
LOC729778	1.437	0
LOC729779	1.342	0.15
LOC729780	0.724	0.13
LOC729781	0.931	0.96
LOC729782	0.846	0
LOC729783	8.574	0
LOC729784	0.741	0.13
LOC729785	5.22	0.55
LOC729786	12.186	0
LOC729787	1.472	0
LOC729788	0.645	0
LOC729789	0.489	4.05
LOC729790	0.171	0
LOC729791	0.977	0.3
LOC729792	4.839	0
LOC729793	1.04	0
LOC729794	40.167	0.01
LOC729795	0.876	0.22
LOC729796	0.617	1.76
LOC729797	0.159	17.42
LOC729798	0.52	0.57
LOC729799	2.586	32.64
LOC729800	1.143	0
LOC729801	0.495	0
LOC729802	0.306	0
LOC729803	0.645	0.61
LOC729804	0.321	0
LOC729805	0.705	0
LOC729806	2.272	19.29
LOC729807	0.522	0.19
LOC729808	0.906	0
LOC729809	0.309	0
LOC729810	2.513	3.74
LOC729811	1.005	0.59
LOC729812	0.855	0
LOC729813	0.522	1.32
LOC729814	0.598	0.33
LOC729815	0.93	0
LOC729816	1.034	0

LOC729817	2.281	0.09
LOC729818	0.567	4.36
LOC729819	0.621	0
LOC729820	0.126	0
LOC729821	0.777	1.65
LOC729822	0.977	2.74
LOC729823	0.939	0
LOC729824	0.792	14.99
LOC729825	1.047	0
LOC729826	3.313	3.83
LOC729827	0.252	0
LOC729828	35.27	0
LOC729829	0.621	0
LOC729830	106.311	0
LOC729831	1.335	0
LOC729832	7.094	0.03
LOC729833	0.855	0
LOC729834	0.834	0
LOC729835	0.331	2.69
LOC729837	8.856	0
LOC729838	2.321	0
LOC729839	1.153	0.17
LOC729840	1.967	0.7
LOC729841	0.812	0
LOC729842	0.845	1.17
LOC729843	1.216	1.71
LOC729844	0.471	0
LOC729845	1.119	0
LOC729846	0.969	0.3
LOC729847	0.43	0
LOC729848	0.752	1.32
LOC729849	0.444	0
LOC729850	0.751	0
LOC729851	0.545	0
LOC729852	2.02	0.39
LOC729853	1.502	0
LOC729854	0.334	0
LOC729855	0.366	0
LOC729856	0.765	0
LOC729858	0.784	0
LOC729859	1.209	1.8
LOC729860	2.013	2.12
LOC729861	0.468	0
LOC729862	0.39	3.81
LOC729863	25.392	0
LOC729864	0.669	0
LOC729865	1.737	0
LOC729867	0.547	1.08
LOC729868	4.689	0.17
LOC729869	0.255	0.39

LOC729870	1.059	0
LOC729871	10.324	0
LOC729873	9.125	0
LOC729874	1.093	4.98
LOC729875	1.283	0
LOC729877	7.886	0
LOC729878	0.346	0.57
LOC729879	1.83	0.11
LOC729880	0.588	0
LOC729881	0.702	0
LOC729882	0.687	1.15
LOC729883	0.492	0
LOC729884	2.136	0
LOC729885	0.979	0.51
LOC729886	1.065	0
LOC729887	0.952	2.19
LOC729888	0.894	0.44
LOC729889	0.543	0
LOC729890	1.694	0
LOC729891	0.58	0
LOC729892	4.028	0
LOC729893	0.375	0
LOC729894	41.287	0.05
LOC729895	0.484	0
LOC729896	0.366	5.13
LOC729897	1.637	13.66
LOC729898	0.411	0.48
LOC729899	0.363	0
LOC729900	4.164	0.07
LOC729901	1.026	0
LOC729902	0.727	0
LOC729903	1.582	20.08
LOC729904	0.681	0.14
LOC729905	0.438	2.71
LOC729906	0.329	1.2
LOC729907	0.694	0
LOC729908	4.105	0
LOC729909	0.515	0.58
LOC729910	0.842	0
LOC729911	0.528	0
LOC729912	0.621	0
LOC729913	1.285	2.54
LOC729914	0.834	0
LOC729915	10.37	0.12
LOC729916	0.444	0
LOC729917	1.419	0.14
LOC729918	0.767	0
LOC729919	0.96	0
LOC729920	0.849	0
LOC729921	0.75	0

LOC729922	0.981	0
LOC729923	0.261	0
LOC729924	0.393	0
LOC729925	0.792	1.5
LOC729926	0.858	1.62
LOC729927	0.524	3.02
LOC729928	0.903	0
LOC729929	0.39	0
LOC729930	1.08	0
LOC729931	0.912	0
LOC729932	0.597	0
LOC729933	0.396	0
LOC729934	0.822	0.36
LOC729935	1.08	0
LOC729936	17.737	0.11
LOC729937	0.459	0
LOC729938	0.726	0.68
LOC729939	0.345	2.87
LOC729940	0.643	0
LOC729941	7.192	0.17
LOC729942	0.843	0
LOC729943	0.369	0
LOC729944	1.643	0.12
LOC729945	8.025	0.3
LOC729946	0.527	59.13
LOC729947	0.621	0.32
LOC729948	0.258	6.52
LOC729949	0.471	0
LOC729950	0.786	0
LOC729951	0.342	0
LOC729952	3.202	0.09
LOC729953	0.498	0.2
LOC729954	61.643	0.18
LOC729955	8.85	0.13
LOC729956	1.554	0
LOC729957	0.534	0
LOC729958	0.573	0
LOC729959	0.876	0.12
LOC729960	75.604	0
LOC729961	0.753	0
LOC729962	12.577	0
LOC729963	0.477	0.83
LOC729964	0.81	0
LOC729965	0.651	0
LOC729966	0.744	0
LOC729967	4.675	0
LOC729968	0.699	0
LOC729969	0.369	8.58
LOC729970	0.401	0.5
LOC729971	0.929	0

LOC729972	0.762	0
LOC729973	0.743	12.25
LOC729974	0.902	0
LOC729976	1.069	5.28
LOC729977	0.382	0
LOC729978	1.271	0.62
LOC729979	0.565	0
LOC729980	0.708	0
LOC729981	0.612	0
LOC729982	0.885	0
LOC729983	0.888	0
LOC729984	0.991	0.4
LOC729985	0.258	7.29
LOC729986	2.216	0
LOC729987	0.567	0
LOC729988	1.066	0
LOC729989	0.89	0.56
LOC729990	0.408	0
LOC729991	0.333	2.38
LOC729992	0.979	0
LOC729993	0.671	0
LOC729994	1.797	0.11
LOC729996	0.546	0
LOC729997	7.481	0.46
LOC729998	1.432	1596.67
LOC729999	4.738	0.07
LOC730000	0.315	1.57
LOC730001	1.873	1.32
LOC730002	0.548	0
LOC730003	1.146	0
LOC730004	0.687	3.88
LOC730005	1.152	0
LOC730006	1.32	0.6
LOC730007	0.446	0.67
LOC730008	0.846	0.23
LOC730009	0.753	0
LOC730010	0.675	2.78
LOC730011	0.679	0
LOC730012	0.423	0
LOC730013	0.795	0
LOC730014	1.275	0
LOC730015	2.762	0
LOC730016	1.551	0.51
LOC730017	0.509	0
LOC730018	0.525	0
LOC730019	0.645	0.61
LOC730020	2.167	0
LOC730021	0.762	2.2
LOC730022	0.789	0
LOC730023	1.824	0

LOC730024	17.712	0
LOC730025	0.973	0.51
LOC730026	0.45	0
LOC730027	3.585	0
LOC730028	0.357	0
LOC730029	1.172	5.57
LOC730030	0.435	4.32
LOC730031	1.543	0
LOC730032	4.171	0.03
LOC730033	0.45	0
LOC730034	2.186	0
LOC730035	3.644	0
LOC730036	2.479	0
LOC730037	0.741	0
LOC730038	1.584	0
LOC730039	0.183	0
LOC730040	0.81	0.98
LOC730041	2.965	0.46
LOC730042	0.333	0
LOC730043	21.971	0.15
LOC730044	0.387	0
LOC730045	0.516	0
LOC730046	0.771	2.31
LOC730047	1.284	0
LOC730048	0.327	1.51
LOC730049	0.58	0
LOC730050	3.503	13.98
LOC730051	19.925	1.03
LOC730052	0.688	7.91
LOC730053	0.524	0
LOC730054	0.894	0
LOC730055	0.361	0.83
LOC730056	1.251	1.74
LOC730057	0.489	0
LOC730058	0.429	0
LOC730059	1.017	0
LOC730060	1.079	1.93
LOC730061	10.815	2.17
LOC730062	1.419	5.79
LOC730063	0.873	0.57
LOC730064	1.556	2.17
LOC730065	0.585	0
LOC730066	7.747	0.1
LOC730068	0.678	0
LOC730069	8.187	0.2
LOC730070	0.384	6.19
LOC730071	0.369	1.08
LOC730072	0.675	0
LOC730073	0.942	0
LOC730074	0.474	0

LOC730075	0.513	0
LOC730076	22.547	0
LOC730077	0.969	0
LOC730078	0.839	0.71
LOC730079	0.384	0
LOC730080	0.603	0.82
LOC730081	2.016	0.25
LOC730082	0.471	0
LOC730083	1.02	0.1
LOC730084	0.516	0.38
LOC730085	0.45	0
LOC730086	67.249	0.02
LOC730087	23.24	0.21
LOC730088	0.528	0
LOC730089	0.63	0
LOC730090	1.527	0.19
LOC730091	0.999	0
LOC730092	33.969	0.46
LOC730093	0.594	0
LOC730094	1.431	0.35
LOC730095	0.594	0.17
LOC730096	1.038	0.28
LOC730097	0.438	0
LOC730098	0.471	0
LOC730099	61.001	0.3
LOC730100	0.563	0
LOC730101	8.263	0.27
LOC730102	73.151	0.02
LOC730103	0.377	0
LOC730104	0.447	0
LOC730105	0.541	0
LOC730106	0.573	0.17
LOC730107	1.167	0.25
LOC730108	1.014	16.59
LOC730109	1.005	0
LOC730110	1.593	1.24
LOC730111	0.828	27.48
LOC730112	0.828	0
LOC730113	0.804	0
LOC730114	0.147	0
LOC730115	1.543	3.4
LOC730116	1.293	0
LOC730117	1.131	0
LOC730118	0.692	0
LOC730119	0.78	1.78
LOC730120	0.691	0
LOC730121	0.555	0
LOC730122	0.519	0
LOC730123	1.152	0
LOC730124	0.705	0

LOC730125	0.534	0.56
LOC730126	0.414	0
LOC730127	0.429	0
LOC730128	0.351	0
LOC730129	0.621	0
LOC730130	1.002	0
LOC730131	2.539	0.08
LOC730132	2.247	0
LOC730133	0.301	0
LOC730134	0.564	0
LOC730135	0.72	0.68
LOC730136	0.564	19.82
LOC730137	0.882	0
LOC730138	0.489	11.53
LOC730139	0.953	0
LOC730140	0.696	0
LOC730141	0.441	0
LOC730142	0.75	2.51
LOC730143	0.627	0.32
LOC730144	0.867	32.07
LOC730145	0.491	0
LOC730146	0.393	0
LOC730147	0.33	0
LOC730148	0.426	0
LOC730149	1.873	0
LOC730150	0.507	0.98
LOC730151	0.465	3.62
LOC730152	4.788	0
LOC730153	1.24	0.56
LOC730154	0.135	0
LOC730155	0.861	0
LOC730156	0.492	0.2
LOC730157	0.462	0
LOC730158	0.384	0
LOC730159	0.563	0
LOC730160	2.052	0
LOC730161	0.629	12.43
LOC730162	0.363	0.82
LOC730163	0.583	0
LOC730164	0.492	0
LOC730165	0.381	0
LOC730166	0.495	1
LOC730167	0.513	1.55
LOC730168	0.531	0
LOC730169	0.399	1.73
LOC730170	0.627	0
LOC730171	0.492	0
LOC730172	1.022	0
LOC730173	1.227	0.89
LOC730174	121.296	0.15

LOC730175	0.216	0
LOC730176	1.381	0.72
LOC730177	0.346	1.72
LOC730178	0.543	0
LOC730179	0.852	0
LOC730180	1.284	1.46
LOC730181	0.509	0
LOC730182	0.54	3.11
LOC730183	0.571	4.16
LOC730184	0.768	0
LOC730185	2.2	0
LOC730186	0.387	0
LOC730187	0.171	1.73
LOC730188	0.381	0.52
LOC730189	0.645	0.46
LOC730190	0.213	5.58
LOC730191	0.822	0
LOC730192	1.14	0.78
LOC730193	0.531	5.78
LOC730194	0.92	0
LOC730195	0.246	0
LOC730196	1.04	0
LOC730197	0.339	0.29
LOC730198	1.074	0
LOC730199	0.99	0.2
LOC730200	0.744	0
LOC730201	2.098	0.71
LOC730202	1.501	0
LOC730203	0.555	0
LOC730204	0.225	0
LOC730205	0.315	0
LOC730206	1.008	0
LOC730207	0.624	0
LOC730208	0.666	0.6
LOC730209	0.351	1.69
LOC730210	0.955	0
LOC730211	4.676	0.02
LOC730212	0.351	0
LOC730213	0.963	14.69
LOC730214	0.363	0
LOC730215	1.575	0
LOC730216	0.777	0
LOC730217	0.814	0
LOC730218	0.885	0
LOC730219	1.204	0
LOC730220	0.57	0
LOC730221	0.375	0
LOC730222	0.681	0.14
LOC730223	0.438	0
LOC730224	0.741	0

LOC730225	0.648	0.61
LOC730226	0.715	0
LOC730227	0.41	0
LOC730228	1.029	0
LOC730229	2.116	0
LOC730230	0.988	0
LOC730231	0.651	0
LOC730232	3.661	0.24
LOC730233	0.906	0
LOC730234	0.705	0.42
LOC730235	0.873	0.23
LOC730236	1.472	0
LOC730237	0.435	0
LOC730238	0.531	0
LOC730239	1.069	0.93
LOC730240	0.541	0.19
LOC730241	0.904	0.11
LOC730242	0.559	0
LOC730243	0.912	0
LOC730244	0.441	0.22
LOC730245	1.698	0.29
LOC730246	1.311	0.83
LOC730247	0.474	0
LOC730248	0.795	0.12
LOC730249	2.361	0
LOC730250	0.891	0.11
LOC730251	0.996	0
LOC730252	0.912	0
LOC730253	0.621	0
LOC730254	2.465	1.32
LOC730255	0.566	1.23
LOC730256	8.176	0
LOC730257	8.141	0.08
LOC730258	1.861	1.7
LOC730259	1.091	0
LOC730260	0.981	0
LOC730261	0.975	0
LOC730262	1.143	0
LOC730263	2.124	0
LOC730264	1.242	0
LOC730265	0.594	0
LOC730266	0.537	1.84
LOC730267	1.038	0.48
LOC730268	58.447	0.13
LOC730269	1.649	0
LOC730270	1.113	0
LOC730271	0.564	0
LOC730272	1.191	0.08
LOC730273	2.783	0
LOC730274	0.876	0

LOC730275	3.983	0
LOC730276	0.369	0
LOC730277	0.429	0
LOC730278	0.309	0
LOC730279	0.828	0.84
LOC730280	0.762	0
LOC730281	2.025	0
LOC730282	0.771	0
LOC730283	0.429	0
LOC730284	1.857	0
LOC730285	0.357	0
LOC730286	0.999	0
LOC730287	0.958	0
LOC730288	0.21	0
LOC730289	0.333	0.29
LOC730290	1.293	0
LOC730291	0.57	0
LOC730292	1.481	0.13
LOC730293	0.213	0
LOC730294	0.798	0
LOC730295	1.988	0
LOC730296	0.285	0
LOC730297	0.588	0
LOC730298	0.456	0
LOC730299	0.255	0
LOC730300	0.594	0
LOC730301	0.246	0
LOC730302	0.615	0
LOC730303	3.106	0
LOC730304	2.271	0
LOC730305	0.33	0
LOC730306	0.489	1.22
LOC730307	2.271	0
LOC730308	0.129	0
LOC730309	1.452	0.34
LOC730310	1.152	0
LOC730311	1.002	0
LOC730312	1.613	0
LOC730313	0.768	0
LOC730314	0.258	0
LOC730315	0.33	0
LOC730316	4.566	0.3
LOC730317	0.861	0
LOC730318	0.483	0
LOC730319	0.492	0
LOC730320	1.062	0.46
LOC730321	0.495	0
LOC730322	0.99	1.6
LOC730323	1.214	0.49
LOC730324	0.768	0

LOC730325	0.384	0
LOC730326	0.543	0.36
LOC730327	0.45	0
LOC730328	1.107	0
LOC730329	1.2	0
LOC730330	0.432	0
LOC730331	1.135	4.8
LOC730332	1.849	0
LOC730333	0.576	0
LOC730334	0.777	0.12
LOC730335	0.375	0
LOC730336	0.897	0
LOC730337	0.492	0
LOC730338	1.947	0
LOC730339	1.069	0
LOC730340	2.216	0.13
LOC730341	1.873	0.43
LOC730342	0.912	0.33
LOC730343	0.24	0
LOC730344	2.421	0
LOC730345	0.549	0
LOC730346	0.438	0
LOC730347	5.571	0
LOC730348	1.405	0.49
LOC730349	1.662	0.12
LOC730350	4.765	0.02
LOC730351	2.315	0
LOC730352	0.714	0.28
LOC730353	1.311	2.34
LOC730354	0.429	0
LOC730355	0.732	0.13
LOC730356	0.834	0
LOC730357	0.774	1.66
LOC730358	2.02	0.2
LOC730359	1.694	0.06
LOC730360	0.849	0
LOC730361	0.345	0
LOC730362	0.762	0
LOC730363	0.546	0.18
LOC730364	0.282	0
LOC730365	0.81	0
LOC730366	0.357	0
LOC730367	1.059	0.1
LOC730368	0.363	0
LOC730369	1.131	0
LOC730370	1.689	0
LOC730371	0.492	0
LOC730372	1.14	0.09
LOC730373	0.246	0
LOC730374	0.648	2.75

LOC730375	0.705	0
LOC730376	0.873	0
LOC730377	0.444	0
LOC730378	0.9	0
LOC730379	0.444	0
LOC730380	0.444	0
LOC730381	0.519	0
LOC730382	0.486	0
LOC730383	0.39	0
LOC730384	0.681	0
LOC730385	0.681	0
LOC730386	0.681	0
LOC730387	0.681	0
LOC730388	0.681	0
LOC730389	1.152	0
LOC730390	0.817	0
LOC730391	0.981	0
LOC730392	13.677	0
LOC730393	0.585	0
LOC730394	4.558	0
LOC730395	0.566	0
LOC730397	0.593	0
LOC730398	0.201	0
LOC730399	5.046	0
LOC730400	0.645	0
LOC730401	4.566	0
LOC730402	1.054	0
LOC730403	0.566	0
LOC730404	0.662	0
LOC730405	0.466	0
LOC730406	0.593	0
LOC730407	1.437	0.07
LOC730408	0.645	0
LOC730409	4.566	0
LOC730410	1.853	0
LOC732478	1.347	0
LOC79984	3.889	0.15
LOC80098	2.046	0
LOC81625	1.938	7.15
LOC81691	2.707	0.55
LOC83459	0.751	0.53
LOC84661	0.8	3.96
LOC85389	0.211	8.44
LOC85390	0.228	5.64
LOC86123	1.52	0.2
LOC89944	3.117	0.35
LOC90113	4.155	0.21
LOC90120	2.799	0.88
LOC90342	6.872	0
LOC90379	2.258	19.32

LOC90499	0.385	0
LOC90586	2.073	0
LOC90826	2.83	3.53
LOC90835	1.829	1.03
LOC91219	0.501	0.79
LOC91431	3.113	1.65
LOC91461	1.881	0
LOC91664	3.985	1.59
LOC92017	4.724	11.27
LOC92196	0.532	0
LOC92270	0.758	0.39
LOC92312	5.917	0.17
LOC92345	1.907	5.6
LOC92755	1.516	4.77
LOC93202	1.21	0.08
LOC93349	3.588	11.03
LOC93432	3.068	0
LOC93622	2.052	4.92
LOC96597	1.629	0.06
LOC96610	0.702	10.15
LOH11CR2A	4.022	0.03
LOH12CR1	2.05	0.68
LOH3CR2A	1.686	0.18
LONP1	3.111	14.19
LONP2	4.764	8.35
LONRF1	3.584	3.54
LONRF2	2.363	0
LONRF3	2.608	0.12
LOR	1.206	0
LOX	1.947	0.1
LOXHD1	4.775	0.02
LOXL1	2.361	4.44
LOXL2	3.81	4.26
LOXL3	3.121	0.69
LOXL4	3.657	0.41
LPA	6.065	0.02
LPAL2	2.25	0.04
LPGAT1	6.252	4.42
LPHN1	7.857	5.99
LPHN2	5.706	0
LPHN3	6.177	0
LPIN1	6.117	24.7
LPIN2	6.229	7.53
LPIN3	4.363	1.11
LPL	3.55	0.86
LPO	2.918	0.04
LPP	10.741	9.1
LPPR2	2.678	1.63
LPPR4	4.972	0
LPXN	1.833	2.76

LRAP	4.226	9.65
LRAT	4.888	0
LRBA	9.899	2.57
LRCH1	7.774	25.88
LRCH2	4.931	0
LRCH3	2.258	2.41
LRCH4	6.974	41.14
LRDD	4.094	8.19
LRFN1	3.381	1.29
LRFN2	3.144	1.2
LRFN3	2.515	0
LRFN4	2.431	3.01
LRFN5	3.153	0
LRG1	1.78	0.89
LRGUK	5.4	0.14
LRIG1	6.99	14.12
LRIG2	4.015	7.57
LRIG3	4.023	0
LRMP	2.809	23.74
LRP1	14.897	0.47
LRP10	3.252	20.08
LRP11	3.58	0.47
LRP12	4.06	0.17
LRP16	1.19	4.49
LRP1B	16.531	0
LRP2	14.385	0
LRP2BP	5.157	0.02
LRP3	2.577	2.61
LRP4	8.076	0.01
LRP5	5.099	9.54
LRP5L	8.835	49.47
LRP6	5.293	1.44
LRP8	6.222	1.11
LRPAP1	1.484	18
LRPPRC	5.095	12.51
LRRC1	3.465	0.03
LRRC10	2.599	0
LRRC14	5.323	2.52
LRRC15	5.938	0
LRRC16	5.175	0
LRRC17	5.726	0.03
LRRC18	1.62	0
LRRC19	3.136	0
LRRC2	5.669	0
LRRC20	3.236	0
LRRC21	2.099	0
LRRC22	3.128	0
LRRC23	1.925	1.39
LRRC24	1.753	1.87
LRRC25	2.403	1.81

LRRC27	6.374	0.14
LRRC28	1.45	2.87
LRRC29	1.493	0.79
LRRC3	2.505	0.87
LRRC30	0.906	0
LRRC31	2.355	0
LRRC32	4.157	0.6
LRRC33	2.715	41.84
LRRC34	1.437	0.35
LRRC36	2.396	0.08
LRRC37A	5.177	1.83
LRRC37A2	3.594	7.43
LRRC37A3	5.665	0.89
LRRC37B	3.027	5.85
LRRC38	2.28	0.21
LRRC39	1.394	0.28
LRRC3B	1.693	0.59
LRRC4	7.414	0.75
LRRC40	2.847	4.76
LRRC41	2.948	10.24
LRRC42	1.714	2.25
LRRC43	2.293	0.13
LRRC44	1.591	0
LRRC45	2.599	0.76
LRRC46	1.429	0.97
LRRC47	2.648	8.37
LRRC48	1.978	0.85
LRRC49	2.793	0
LRRC4B	2.958	0.47
LRRC4C	4.054	0
LRRC50	2.379	0
LRRC51	2.12	0.33
LRRC52	1.369	0
LRRC55	3.797	0
LRRC56	2.769	0.75
LRRC57	2.647	12.52
LRRC58	8.099	1.47
LRRC59	2.828	11.23
LRRC6	1.582	0.25
LRRC61	2.956	0.2
LRRC62	7.579	2.15
LRRC7	5	0
LRRC8A	4.296	5.99
LRRC8B	3.882	5.15
LRRC8C	4.749	65.37
LRRC8D	3.312	2.9
LRRC8E	3.601	0
LRRC1	3.24	0.49
LRRFIP1	17.947	42.27
LRRFIP2	3.283	6.96

LRRIQ1	4.457	0
LRRIQ2	4.411	0.44
LRRK1	7.631	3.5
LRRK2	9.224	0.01
LRRN1	3.307	0
LRRN2	3.358	1.71
LRRN3	6.74	0
LRRTM1	2.212	0
LRRTM2	5.58	0.07
LRRTM3	3.787	0
LRRTM4	3.616	0
LRSAM1	3.509	2.23
LRTM1	1.298	0
LRTM2	3.688	0.03
LSAMP	1.539	0
LSDP5	1.888	0.36
LSG1	3.271	15.58
LSM1	0.921	9.46
LSM10	0.85	5.24
LSM11	2.561	0.04
LSM12	2.21	3
LSM14A	3.384	29.88
LSM14B	1.604	8.02
LSM2	2.574	0
LSM3	0.555	24.95
LSM4	1.109	18.65
LSM5	1.464	3.32
LSM6	0.579	7.69
LSM7	0.776	84.53
LSM8	2.614	7.68
LSMD1	0.999	18.82
LSP1	2.745	20.69
LSR	2.278	4.12
LSS	4.624	3.92
LST1	4.947	0
LST-3TM12	2.119	0
LTA	4.158	0.05
LTA4H	2.06	27.14
LTB	4.5	0
LTB4DH	1.242	5.1
LTB4R	3.02	20.15
LTB4R2	3.597	5.77
LTBP1	6.484	0.04
LTBP2	8.554	0.11
LTBP3	4.601	24.65
LTBP4	5.031	2.68
LTBR	2.105	5.59
LTC4S	0.667	0.74
LTF	2.361	20.08
LTK	3.119	2.03

LTV1	1.814	12
LUC7L	2.777	12.75
LUC7L2	9.766	34.51
LUM	2.116	0
LUZP1	7.539	19.23
LUZP2	5.257	0.17
LUZP4	1.728	0
LXN	1.113	3.2
LY6D	0.802	0
LY6E	1.15	50.5
LY6G5B	2.322	0.13
LY6G5C	5.259	0
LY6G6C	2.64	0
LY6G6D	1.206	0
LY6G6E	1.152	0
LY6H	0.947	10.86
LY6K	1.735	0.12
LY75	6.906	0.8
LY86	2.649	9.34
LY9	3.366	0.5
LY96	0.587	0.84
LYAR	1.508	0.92
LYCAT	5.342	0.54
LYG2	0.87	0.45
LYK5	4.162	8.18
LYL1	1.49	21.52
LYN	2.297	6.55
LYNX1	6.328	0.02
LYPD1	1.891	0
LYPD2	0.534	0
LYPD3	1.706	0
LYPD4	1.792	0.11
LYPD5	3.616	0.03
LYPD6	3.485	0
LYPLA1	2.574	6.42
LYPLA2	1.624	5.36
LYPLA2P1	2.429	0
LYPLA3	2.723	10.65
LYPLAL1	0.816	8.85
LYRM1	1.659	2.44
LYRM2	0.873	4.2
LYRM4	1.482	14.35
LYRM5	1.06	3.83
LYRM7	6.213	0.7
LYSMD1	2.42	1.72
LYSMD2	1.688	0.59
LYSMD3	4.261	2.09
LYSMD4	2.885	9.6
LYST	14.528	1.13
LYZ	1.486	28.63

LYZL1	0.812	0
LYZL2	0.774	0
LYZL4	0.872	0
LYZL6	0.872	0
LZIC	1.407	2.81
LZTFL1	3.398	0.64
LZTR1	4.217	9.67
LZTR2	3.985	0
LZTS1	5.459	0.12
LZTS2	2.9	25.69
M6PR	2.454	18.9
M6PRBP1	2.236	13.8
MAB21L1	2.449	0.04
MAB21L2	2.543	0
MACF1	24.449	8.19
MAD1L1	8.552	13.25
MAD2L1	1.376	2.01
MAD2L1BP	1.63	9.41
MAD2L1P	1.285	0.23
MAD2L2	1.041	13.69
MADCAM1	1.536	0
MADD	10.221	16.51
MAEA	2.414	14.59
MAEL	1.731	0
MAF	7.719	1.76
MAF1	1.762	47.95
MAFA	1.062	0
MAFB	3.362	1.86
MAFF	2.549	29.15
MAFG	5.218	6.39
MAFK	6.913	24.47
MAG	2.94	0
MAG1	2.534	1.6
MAGEA1	1.676	0
MAGEA10	1.61	0
MAGEA11	2.083	0
MAGEA12	1.652	0
MAGEA2	2.291	0
MAGEA2B	1.617	0
MAGEA3	1.724	0
MAGEA4	1.955	0
MAGEA5	1.692	0
MAGEA6	1.828	0
MAGEA7	0.278	0
MAGEA8	1.777	0
MAGEA9	1.807	0
MAGEB1	1.968	0
MAGEB10	1.567	0
MAGEB18	1.811	0
MAGEB2	1.607	0

MAGEB3	2.303	0
MAGEB4	2.142	0
MAGEB5	1.111	0
MAGEB6	1.949	0
MAGEB6B	1.224	0
MAGEC1	4.279	0
MAGEC2	1.992	0
MAGEC3	3.5	0
MAGED1	2.971	15.18
MAGED2	2.289	10.59
MAGED4	3.258	2.64
MAGEE1	3.628	0.13
MAGEE2	2.249	0
MAGEF1	1.682	4.29
MAGEH1	1.462	1.69
MAGEL2	2.295	0
MAGI1	12.411	1.04
MAGI2	14.115	0.48
MAGI3	3.947	1.38
Magmas	0.511	5.03
MAGOH	0.681	28.19
MAGOHP	1.071	0.37
MAK	3.83	0.28
MAK10	2.649	2.58
MAL	1.056	0.37
MAL2	2.796	0
MALAT1	8.356	160.03
MALL	2.566	0
MALT1	5.029	3.21
MAMDC1	4.727	0
MAMDC2	3.595	0
MAMDC4	3.658	0.62
MAML1	5.975	11.34
MAML2	5.428	3.4
MAML3	7.101	6.88
MAN1A1	4.122	18
MAN1A2	5.388	2.33
MAN1B1	2.769	8.72
MAN1C1	2.884	2.71
MAN2A1	5.128	1.48
MAN2A2	6.269	16.02
MAN2B1	3.461	23.64
MAN2B2	4.242	3.06
MAN2C1	4.423	32.61
MANBA	3.311	11.41
MANBAL	1.315	4.14
MANEA	4.574	0.13
MANEAL	4.449	0.16
MANSC1	2.297	0
MAOA	4.073	0

MAOB	2.555	0
MAP1A	10.244	0.6
MAP1B	9.893	0
MAP1D	1.534	1.74
MAP1LC3A	1.121	6.18
MAP1LC3B	2.492	97.62
MAP1LC3C	1.182	0
MAP1LC3P	0.625	0
MAP1S	3.276	4.28
MAP2	9.989	0
MAP2K1	2.172	21.91
MAP2K1IP1	1.411	13.32
MAP2K1P1	0.19	0
MAP2K2	1.734	36.63
MAP2K3	3.352	11.04
MAP2K4	3.743	3.62
MAP2K5	2.364	3.89
MAP2K6	1.869	0.05
MAP2K7	3.372	11.3
MAP3K1	7.719	3.25
MAP3K10	3.428	1.09
MAP3K11	3.573	11.82
MAP3K12	3.865	7.22
MAP3K13	3.557	0.14
MAP3K14	4.582	2.81
MAP3K15	4.697	0.52
MAP3K2	6.562	9.83
MAP3K3	5.701	37.76
MAP3K4	5.484	2.85
MAP3K5	5.195	1.58
MAP3K6	4.328	2.04
MAP3K7	4.203	3.37
MAP3K7IP1	3.862	4.04
MAP3K7IP2	4.152	37.46
MAP3K7IP3	3.782	3.77
MAP3K8	3.534	6.99
MAP3K9	5.602	0.11
MAP4	10.375	8.81
MAP4K1	2.692	9.96
MAP4K2	3.631	26.95
MAP4K3	5.202	16.97
MAP4K4	7.762	25.86
MAP4K5	4.614	15.39
MAP6	5.793	0
MAP6D1	2.104	0.1
MAP7	3.99	0.03
MAP7D1	3.324	39.23
MAP7D2	3.532	0.12
MAP7D3	4.528	2.12
MAP9	7.333	0

MAPBPIP	0.591	7.54
MAPK1	6.09	15.72
MAPK10	4.569	0.04
MAPK11	2.388	6.46
MAPK12	1.754	1.08
MAPK13	2.171	6.06
MAPK14	6.898	13.23
MAPK15	2.24	0
MAPK3	2.244	12.21
MAPK4	4.736	0
MAPK6	4.189	3.47
MAPK6PS1	5.207	0.06
MAPK6PS2	4.007	0
MAPK6PS3	4.145	0.14
MAPK6PS4	4.049	0.05
MAPK6PS5	2.114	0.14
MAPK6PS6	3.332	0.06
MAPK7	4.378	9.49
MAPK8	2.607	10.32
MAPK8IP1	3.05	0.23
MAPK8IP2	4.178	0
MAPK8IP3	8.412	43.14
MAPK9	2.744	3.46
MAPKAP1	3.866	4.02
MAPKAPK2	5.572	32.01
MAPKAPK3	2.5	11.2
MAPKAPK5	2.16	11.63
MAPKBP1	9.647	50.38
MAPRE1	2.543	39.38
MAPRE2	2.579	19.64
MAPRE3	1.87	0.21
MAPT	6.682	0.02
MARCH1	1.79	0.72
MARCH2	1.653	10
MARCH3	1.803	3.73
MARCH4	4.446	0.03
MARCH5	3.926	15.53
MARCH6	6.451	39.02
MARCH7	3.468	13.09
MARCH8	4.921	15.18
MARCH9	2.462	0.8
MARCKS	2.59	0.95
MARCKSL1	1.535	12.51
MARCO	1.835	0.16
MARK1	4.638	0
MARK2	4.356	4
MARK3	3.39	12.35
MARK4	4.917	2.9
MARS	2.97	26.55
MARS2	3.028	0.62

MARVELD1	3.217	5.35
MARVELD2	6.667	0
MARVELD3	3.384	0
MAS1	1.135	0
MAS1L	3.411	0
MASK-BP3	8.319	8.69
MASP1	7.405	0
MASP2	3.023	6.15
MAST1	4.833	0
MAST2	5.738	3.03
MAST3	5.896	3.17
MASTL	3.084	3.75
MAT1A	3.404	0.03
MAT2A	3.014	17.04
MAT2B	2.272	10.67
MATE2	2.235	0
MATK	2.61	2.88
MATN1	2.413	0.45
MATN2	4.188	0.07
MATN3	2.919	5.32
MATN4	2.075	0
MATR3	4.157	71.54
MAX	5.664	22.06
MAZ	2.785	79.29
MB	1.397	0.07
MBD1	4.904	13.31
MBD2	3.01	7.76
MBD3	2.559	8.04
MBD3L1	0.664	0
MBD3L2	0.777	0
MBD4	2.973	7.99
MBD5	5.311	0.88
MBD6	4.15	15.09
MBIP	1.605	5.42
MBL1P1	4.366	0
MBL2	3.569	0
MBNL1	10.27	13.45
MBNL2	8.064	8.76
MBNL3	3.255	2.01
MBOAT1	3.275	5.29
MBOAT2	3.804	2.65
MBOAT4	1.283	0.15
MBOAT5	2.297	5.26
MBP	9.634	3.03
MBTD1	2.564	3.4
MBTPS1	6.526	11.66
MBTPS2	1.759	1.18
MC1R	2.36	2.73
MC2R	3.652	0
MC3R	1.083	0

MC4R	0.999	0
MC5R	0.978	0
MCAM	3.332	18.68
MCART1	1.397	0.43
MCART2	1.041	0
MCART6	6.224	0.38
MCAT	1.981	1.4
MCC	4.18	0
MCCC1	2.528	7.12
MCCC2	4.658	1.25
MCCD1	2.127	0
MCEE	0.822	0.36
MCF2	3.654	0.13
MCF2L	3.413	2.64
MCF2L2	4.772	0.04
MCFD2	4.124	9.72
MCHR1	2.423	0
MCHR2	2.607	0
MCL1	6.934	51.5
MCM10	4.661	0.29
MCM2	3.435	9.5
MCM3	3.111	6.55
MCM3AP	6.113	8.09
MCM3APAS	2.314	1.11
MCM4	3.628	4.75
MCM5	2.534	16.56
MCM6	3.751	3.22
MCM7	7.494	6.91
MCM8	4.27	0.7
MCMDC1	2.442	0.97
MCOLN1	2.051	1.79
MCOLN2	3.044	0.43
MCOLN3	2.796	0
MCPH1	2.518	6.13
MCRS1	1.97	9.44
MCTP1	3.057	0.87
MCTP2	2.637	0.41
MCTS1	0.926	5.56
MDAC1	0.593	0
MDC1	20.82	0.08
MDFI	1.558	1.15
MDFIC	9.2	1.01
MDGA1	8.907	0.04
MDH1	1.268	17.94
MDH1B	2.332	0
MDH2	2.925	17.63
MDK	1.208	9.01
MDM1	4.879	0.51
MDM2	6.803	37.06
MDM4	4.666	34.86

MDN1	17.4	3.2
MDP-1	0.683	4.35
MDS032	0.843	10.68
MDS1	1.286	0
ME1	2.212	0.04
ME2	2.717	3.24
ME3	2.342	10.99
MEA1	0.868	14.82
MECP2	11.364	8.99
MECR	2.744	1.33
MED10	1.281	25.18
MED11	0.83	2.14
MED12	6.645	7.64
MED12L	7.694	0.09
MED18	1.831	1.35
MED19	1.515	3.2
MED25	2.68	14.03
MED28	1.966	21.54
MED31	1.196	0.75
MED4	2.022	19.04
MED6	1.344	12.37
MED8	3.496	2.35
MED9	2.222	9.22
MEF2A	4.557	19.24
MEF2B	1.665	3.56
MEF2C	9.25	35.03
MEF2D	5.874	57.99
MEFV	3.499	0.36
MEG3	1.582	0.25
MEGF10	7.524	0
MEGF11	5.702	0.33
MEGF6	7.526	19.6
MEGF8	8.306	1.05
MEGF9	6.297	3.02
MEIG1	0.516	0
MEIS1	3.181	0.03
MEIS2	7.002	0
MEIS3	2.764	0
MEIS3P1	2.856	1.35
MEIS3P2	1.888	0
MELK	2.439	0.57
MEMO1	0.1	48.48
MEN1	4.617	3.71
MEOX1	4.311	0
MEOX2	4.743	0
MEP1A	2.892	0
MEP1B	2.308	0
MEPE	1.964	0
MERTK	3.626	4.09
MESDC1	2.373	11.38

MESDC2	4.243	2.5
MESP1	1.162	0
MESP2	1.614	0
MEST	5.923	0.69
MESTP1	2.452	0.32
MET	13.244	0
METAP1	2.328	7.05
METAP2	1.91	24.14
METRNL	1.092	1.99
METRNL	1.333	28.8
METT10D	3.368	4.29
METT11D1	2.845	12.59
METT5D1	3.957	0.23
METTLL1	2.574	0.38
METTLL2A	2.905	0.27
METTLL2B	4.364	0.2
METTLL3	1.955	12.1
METTLL4	3.65	0.9
METTLL5	0.939	2.1
METTLL6	0.994	1.89
METTLL7A	3.39	5.34
METTLL7B	1.417	0.35
METTLL8	2.246	0.7
METTLL9	3.138	17.87
MFAP1	2.063	4.41
MFAP2	1.142	2.08
MFAP3	3.158	3.92
MFAP3L	3.288	0
MFAP4	1.813	0.87
MFAP5	2.882	0.04
MFGE8	1.934	1.64
MFHAS1	3.754	9.2
MFI2	3.222	1.2
MFN1	3.519	9.98
MFN2	4.539	12.86
MFNG	2.034	19.94
MFRP	2.519	0
MFSD1	2.161	4.58
MFSD11	2.526	4.43
MFSD2	2.136	0.04
MFSD3	1.446	0.48
MFSD4	3.566	0.92
MFSD5	1.76	11.53
MFSD7	1.866	0.64
MFSD8	1.893	1.67
MFSD9	2.682	0.59
MGA	12.535	2.06
MGAM	12.969	0.87
MGAT1	4.152	44.94
MGAT2	3.012	11.33

MGAT3	2.326	0.09
MGAT4A	8.657	3.84
MGAT4B	4.233	4.18
MGAT4C	2.564	0
MGAT5	6.255	4.63
MGAT5B	4.555	1.19
MGC102966	1.686	0
MGC10334	2.193	3.48
MGC10433	1.65	24.7
MGC10646	2.179	0
MGC10997	2.105	0.75
MGC11102	2.836	8.52
MGC11257	4.262	1.53
MGC119295	2.442	0.04
MGC12760	0.577	3.6
MGC12965	2.128	0.32
MGC12966	6.105	22.61
MGC13005	1.652	0
MGC13017	1.204	4.85
MGC13057	0.692	0.14
MGC13098	1.746	1.7
MGC13114	1.677	7.73
MGC13379	1.052	1.23
MGC14327	1.557	9.46
MGC14376	1.449	3.08
MGC15523	5.035	3.88
MGC157906	0.839	0
MGC15885	2.698	0
MGC16121	2.089	0
MGC16169	3.31	0.96
MGC16291	2.283	0.09
MGC16385	2.742	0.94
MGC16703	1.818	0
MGC16824	3.55	3.37
MGC17330	2.846	75.41
MGC17403	0.657	1.06
MGC19604	2.702	1.02
MGC20983	2.122	0
MGC21675	2.44	2.48
MGC21874	7.226	2.49
MGC22014	10.984	6.2
MGC23985	0.506	0
MGC24039	6.722	0.56
MGC2408	0.986	0.5
MGC24975	1.64	1.21
MGC26356	2.553	0.04
MGC26597	4.24	0.26
MGC26647	2.036	0
MGC26718	2.079	0.04
MGC26733	4.844	0

MGC26963	2.127	0
MGC27016	2.448	0
MGC27121	1.644	0.18
MGC27348	14.487	0.04
MGC2752	3.073	1.23
MGC29506	1.849	133.39
MGC29671	1.893	1.83
MGC29891	3.357	0.65
MGC3032	5.415	1.13
MGC3196	0.609	2.92
MGC3207	3.389	5.32
MGC33212	0.651	1.82
MGC33407	1.42	0
MGC33556	2.479	121.61
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MGC33846	1.861	0
MGC33894	0.915	1.84
MGC34646	3.467	0
MGC34761	1.97	0
MGC34774	3.59	0.03
MGC34796	2.055	0
MGC34800	2.502	0
MGC34821	1.663	0
MGC34824	1.757	0
MGC34829	2.949	0.1
MGC35154	1.383	0
MGC35295	1.536	0.06
MGC35308	2.704	0
MGC35361	4.434	0.13
MGC35402	2.334	0.55
MGC35440	2.209	0
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MGC39584	0.586	0
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MGC39900	1.636	1.58
MGC40405	5.757	0.97
MGC40489	3.344	15.21
MGC40499	2.94	1.79
MGC40574	1.65	3.06
MGC4093	0.986	3.51
MGC4172	1.484	1.8
MGC42090	7.952	0
MGC42105	2.313	0
MGC42157	1.046	0.76
MGC42367	3.863	1.02
MGC4294	0.968	0
MGC44328	0.727	0
MGC45134	1.627	44.82
MGC45438	1.828	0

MGC45491	2.464	0
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MGC45800	1.761	0
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MGC46496	1.644	0
MGC4655	2.694	0.29
MGC4677	0.491	5.44
MGC48628	3.927	0
MGC50273	1.325	0
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MGC50811	1.323	0.07
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MGC5139	4.811	3.95
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MGC52282	0.692	0.14
MGC52498	1.992	0.35
MGC57346	1.879	0.74
MGC59937	0.74	0
MGC61571	0.626	3.95
MGC61598	1.77	0
MGC7036	1.435	34.96
MGC70857	1.932	0.76
MGC70863	1.665	0.18
MGC70870	2.144	0
MGC70924	1.53	0.45
MGC71993	0.754	96.44
MGC72080	12.869	0.22
MGC72104	0.873	8.84
MGC87042	2.384	0
MGC87315	6.66	0.58
MGC87631	2.806	0
MGC87895	0.838	224.32
MGC88374	1.132	0
MGC9712	8.99	0.04
MGC99813	2.218	0
MGEA5	9.236	71.66
MGLL	4.884	0.08
MGMT	0.864	22.56
MGP	0.661	0.15
MGRN1	5.017	25.46
MGST1	1.507	0.2
MGST2	0.801	9.01
MGST3	0.663	0.44
MIA	0.537	0.92
MIA2	2.281	0
MIA3	11.975	3.78
MIB1	9.308	0.91
MIB2	3.244	10.74
MICA	4.103	0.55
MICAL1	5.09	46.18

MICAL2	3.906	0.12
MICAL3	6.515	2.84
MICALCL	2.362	0
MICALL1	3.865	4.97
MICALL2	8.01	0.58
MICB	7.106	0.59
MICC	13.868	0
MICD	5.374	0
MICE	7.449	0
MICF	0.3	0
MICG	0.909	0
MID1	6.181	0
MID1IP1	2.358	21.23
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MIER1	4.972	7.72
MIER2	2.762	3.94
MIER3	5.201	7.71
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MINA	2.494	1.08
MINK1	5.301	13.46
MINPP1	2.394	0.29
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MIRN99A	0.1	0
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MIRNLET7A1	0.1	0
MIRNLET7A2	0.1	0
MIRNLET7A3	0.1	0
MIRNLET7B	0.1	0
MIRNLET7C	0.1	0
MIRNLET7D	0.545	9.8
MIRNLET7E	0.1	0
MIRNLET7F1	0.1	0
MIRNLET7F2	0.1	0
MIRNLET7G	0.1	0
MIRNLET7I	0.1	0
MIS12	2.502	9.37
MIST	1.782	0
MITD1	0.91	3.26
MITF	5.463	0
MIXL1	0.699	0
MIZF	2.3	3.09
MKI67	12.497	2.58
MKI67IP	1.67	4.32
MKKS	2.774	0.82
MKL1	4.49	9.23
MKL2	8.634	0.63
MKLN1	22.736	3
MKNK1	3.18	7.56
MKNK2	4.546	115.48
MKRN1	6.146	15.3
MKRN2	2.767	6.26
MKRN3	3.107	0
MKRN4	3.669	0.4
MKRNP1	3.747	0.53
MKRNP2	3.656	0
MKRNP3	1.262	0
MKS1	2.397	1.08
MKX	3.605	0
MLANA	1.524	0
MLC1	4.174	1.73
MLCK	2.74	0.29
MLF1	1.105	0.53

MLF1IP	2.533	2.89
MLF2	1.517	47.61
MLH1	2.524	4
MLH3	7.896	0.73
MLKL	2.498	2.93
MLL	14.982	9.9
MLL2	16.828	9.91
MLL3	36.091	5.34
MLL4	8.468	6.68
MLL5	15.171	39.27
MLLT1	4.505	3.12
MLLT10	5.214	12.22
MLLT11	2.158	2.52
MLLT3	3.375	0.29
MLLT4	11.573	5.97
MLLT6	6.847	27.66
MLLT7	3.137	6.59
MLN	0.58	0
MLNR	1.239	0.24
MLPH	2.38	0
MLSTD1	2.095	1
MLSTD2	5.602	8.1
MLX	2.604	9.69
MLXIP	9.557	75.88
MLXIPL	6.926	0.29
MLYCD	2.142	0.84
MLZE	2.714	0
MMAA	1.473	1.14
MMAB	2.348	1.22
MMACHC	2.227	0.13
MMD	2.723	2.54
MMD2	4.67	0.04
MME	7.72	62.9
MMEL1	2.85	0.07
MMP1	1.973	0
MMP10	1.743	0
MMP11	2.261	0.27
MMP12	1.824	0
MMP13	2.715	0
MMP14	3.538	10.29
MMP15	4.438	0.2
MMP16	6.623	0
MMP17	2.411	8.91
MMP19	5.445	0.45
MMP2	3.536	0.05
MMP20	1.956	0
MMP21	1.919	0.05
MMP23A	5.465	2.64
MMP23B	1.565	2.53
MMP24	4.182	3.24

MMP25	4.722	2.5
MMP26	0.991	0
MMP27	1.647	0
MMP28	3.035	8.67
MMP3	1.828	0
MMP7	1.119	0.09
MMP8	2.225	3.33
MMP9	2.536	13.07
MMRN1	4.969	4.06
MMRN2	3.828	0
MMS19L	3.485	12.52
MN1	7.556	0.22
MNAT1	1.372	2.09
MND1	0.941	0.52
MNDA	1.667	1.78
MNS1	1.945	0.2
MNT	5.142	10.95
MOAP1	2.417	13.59
MOBK1B	4.292	28.61
MOBK1A	6.958	2.58
MOBK2A	3.531	27.52
MOBK2B	6.525	1.47
MOBK2C	3.392	1.64
MOBP	2.588	0
MOCOS	2.724	0
MOCS1	4.541	0
MOCS2	2.329	1.79
MOCS3	2.458	2.18
MOCS3P	1.638	0
MOG	16.242	0
MOGAT1	1.093	0
MOGAT2	1.005	0
MOGAT3	2.82	0
MON1A	2.038	0.49
MON1B	3.734	10.51
MON2	6.071	3.87
MORC1	3.743	0
MORC2	4.467	7.26
MORC3	4.227	9.39
MORC4	3.041	1.79
MORF4	0.708	0.28
MORF4L1	2.155	30.21
MORF4L2	2.07	41.05
MORF4LP1	1.795	28.61
MORF4LP3	2.435	0.28
MORF4LP4	2.009	0.15
MORG1	1.129	8.59
MORN1	1.641	1.21
MORN2	0.681	0.73
MORN3	1.158	1.2

MOS	1.041	0
MOSC1	2	0.05
MOSC2	1.576	0
MOSPD1	2.358	0.34
MOSPD2	3.171	0.41
MOSPD3	3.322	0.95
MOV10	3.809	25.61
MOV10L1	3.898	0
MOXD1	2.166	0
MPDU1	1.4	8.98
MPDZ	6.564	0
MPEG1	8.313	0.67
MPFL	3.162	0.04
MPG	1.831	13.13
MPHOSPH1	6.31	0.76
MPHOSPH10	2.483	2.55
MPHOSPH6	1.08	1.38
MPHOSPH9	4.066	5.08
MPI	1.771	3.57
MPL	3.645	0.21
MPN2	1.243	0
MPND	1.513	5.43
MPO	3.215	30.44
MPP1	3.465	30.15
MPP2	4.412	0.07
MPP3	2.996	0
MPP4	2.435	0
MPP5	5.357	0.94
MPP6	4.374	0.79
MPP7	2.092	0.14
MPPE1	2.806	3.57
MPPED1	1.537	0
MPPED2	2.249	0
MPST	1.728	17.12
MPV17	0.998	10.71
MPV17L	2.213	0.31
MPZ	1.944	1.17
MPZL1	6.897	2.29
MR1	1.263	2.42
MRAP	1.234	0.72
MRAS	3.91	0
MRC1	5.171	4.04
MRC1L1	5.171	7.02
MRC2	4.693	0.11
MRCL3	1.229	48.38
MRE11A	5.332	2.93
MRE11B	1.65	0.06
MREG	1.533	0.06
MRFAP1	1.534	92.17
MRFAP1L1	3.333	6.06

MRGPRD	0.966	0
MRGPRE	1.02	0
MRGPRF	2.152	0
MRGPRG	0.87	0
MRGPRX1	1.207	0
MRGPRX2	2.036	0
MRGPRX3	1.639	0
MRGPRX4	1.442	0
M-RIP	10.926	20.99
MRLC2	0.879	44.23
MRM1	1.833	0.54
MRO	2.108	0
MRP63	2.658	4.13
MRP63P1	0.285	0
MRP63P10	0.262	0
MRP63P2	0.208	0
MRP63P3	0.196	1.01
MRP63P6	0.326	0
MRP63P7	0.273	0
MRP63P8	0.275	0
MRP63P9	0.195	0
MRPL1	1.258	8.03
MRPL10	1.921	18.9
MRPL11	1.249	12.68
MRPL11P2	0.419	0.71
MRPL11P3	0.11	0
MRPL12	1	6.63
MRPL13	1.11	5
MRPL14	0.775	25.28
MRPL14P1	0.197	0
MRPL15	1.136	14.37
MRPL15P1	1.163	0
MRPL16	1.463	29.89
MRPL17	1.044	2.56
MRPL18	0.971	16.1
MRPL19	7.827	0.91
MRPL2	1.286	11
MRPL20	0.681	18.74
MRPL20P1	0.47	0.84
MRPL21	1.044	16.3
MRPL22	0.839	18.75
MRPL22P1	0.688	0.44
MRPL23	0.699	37.36
MRPL24	1.006	4.33
MRPL27	3.158	1.56
MRPL28	1.099	14.22
MRPL2P1	0.92	0.53
MRPL3	1.733	7.25
MRPL30	3.093	3.23
MRPL30P1	0.371	0.8

MRPL30P2	0.382	0.77
MRPL32	2.166	8.41
MRPL32P1	0.264	0
MRPL33	0.827	10.29
MRPL34	0.968	9.5
MRPL35	3.336	1.78
MRPL35P1	0.372	0
MRPL35P2	0.371	0
MRPL35P3	0.37	0
MRPL35P4	0.369	0
MRPL36	0.604	9.18
MRPL36P1	0.312	0.63
MRPL37	1.478	23.56
MRPL38	1.868	12.76
MRPL39	1.27	8.42
MRPL3P1	1.038	3.91
MRPL4	3.064	7.65
MRPL40	0.776	15.3
MRPL41	0.568	63.23
MRPL42	2.303	2.2
MRPL42P1	0.426	0
MRPL42P2	0.429	0
MRPL42P3	0.339	1.46
MRPL42P4	0.702	0
MRPL42P5	0.667	0.44
MRPL43	3.318	5.52
MRPL44	1.728	7.85
MRPL45	1.696	28.24
MRPL45P1	0.749	0.27
MRPL46	0.985	4.82
MRPL47	1.399	6.79
MRPL48	1.977	4.1
MRPL48P1	0.636	0.63
MRPL49	2.089	12.74
MRPL49P1	0.537	0.36
MRPL49P2	0.468	0
MRPL50	0.998	1.99
MRPL50P1	0.398	0
MRPL50P2	0.482	0.21
MRPL50P3	0.477	0
MRPL50P4	0.48	0
MRPL51	0.663	19.85
MRPL51P1	0.263	0
MRPL51P2	0.376	1.05
MRPL52	2.463	2.04
MRPL53	0.616	34.53
MRPL53P1	0.354	1.68
MRPL54	0.609	16.09
MRPL55	1.284	13.17
MRPL9	1.292	43.04

MRPL9P1	1.026	1.83
MRPS10	2.11	6.19
MRPS10P1	0.131	0
MRPS10P2	0.404	0
MRPS10P5	0.579	4.27
MRPS11	1.415	5.39
MRPS11P1	0.619	0.32
MRPS12	1.606	4.19
MRPS14	1.081	4.94
MRPS15	0.883	25.66
MRPS15P1	0.756	0.39
MRPS15P2	0.978	0.2
MRPS16	2.634	10.7
MRPS16P	0.411	0
MRPS16P1	0.416	0.71
MRPS16P3	0.41	0
MRPS17	1.172	3.21
MRPS17P1	0.393	1
MRPS17P3	0.389	0
MRPS17P5	0.186	0
MRPS17P6	0.211	0
MRPS17P7	0.393	0
MRPS17P9	0.393	0
MRPS18A	1.06	10.55
MRPS18AP1	0.592	0.34
MRPS18B	4.227	0
MRPS18BP1	0.192	0
MRPS18BP2	0.776	0.76
MRPS18C	1.014	5.17
MRPS18CP2	0.293	3.38
MRPS18CP3	0.229	0
MRPS18CP5	0.431	0.68
MRPS18CP6	0.243	0.41
MRPS2	1.434	11.46
MRPS21	1.142	30.67
MRPS21P1	0.262	0
MRPS21P2	0.264	0.75
MRPS21P3	0.264	0
MRPS21P4	0.145	0
MRPS21P5	0.27	0
MRPS21P6	0.264	9.37
MRPS21P7	0.26	0
MRPS21P8	0.26	0
MRPS21P9	0.267	0
MRPS22	1.123	12.07
MRPS22P1	0.457	0
MRPS23	0.903	8.43
MRPS23P1	1.808	0
MRPS24	1.296	25.19
MRPS24P1	0.492	3.02

MRPS25	4.566	7.2
MRPS25P1	0.52	0.19
MRPS26	1.039	5.15
MRPS27	2.631	18.01
MRPS28	0.707	4.2
MRPS29P1	3.385	0.15
MRPS29P2	0.515	5.38
MRPS30	1.67	9.42
MRPS31	1.284	3.23
MRPS31P1	0.213	0
MRPS31P2	16.253	0.12
MRPS33	2.503	8.74
MRPS33P1	0.167	0
MRPS33P2	0.322	0.92
MRPS33P3	0.322	0
MRPS33P4	0.252	0
MRPS34	1.003	10.75
MRPS35	1.865	8.43
MRPS35P1	0.128	0
MRPS35P2	0.179	0
MRPS35P3	0.539	0
MRPS36	2.658	1.56
MRPS36P1	0.31	8.62
MRPS36P2	0.103	0
MRPS36P3	0.133	0
MRPS36P4	0.302	0
MRPS36P5	0.302	0
MRPS36P6	0.221	0.44
MRPS5	1.661	6.37
MRPS5P3	1.304	0.98
MRPS5P4	0.338	0
MRPS6	0.986	11.04
MRPS6P1	0.364	0
MRPS6P2	0.374	0
MRPS6P4	0.308	0
MRPS7	1.371	11.62
MRPS7P1	0.705	0
MRPS7P2	1.049	0.19
MRPS9	1.435	7.58
MRRF	2.676	3.7
MRS2L	3.348	1.68
MRTO4	1.185	3.51
MRVI1	3.959	0.18
MS4A1	3.61	30.64
MS4A10	2.296	0
MS4A12	1.167	0
MS4A13	0.928	0
MS4A2	3.725	0
MS4A3	1.817	0.38
MS4A4A	1.811	0.87

MS4A5	0.722	0
MS4A6A	3.024	0.95
MS4A6E	0.66	0.3
MS4A7	3.141	0.76
MS4A8B	1.353	0
MSC	1.931	0.11
MSGN1	0.582	0.17
MSH2	3.145	1.64
MSH3	4.62	0.9
MSH4	3.203	0.06
MSH5	8.711	0.84
MSH6	4.263	21.54
MSI1	2.95	0.03
MSI2	9.352	38.66
MSL-1	8.202	6.83
MSL2L1	4.696	12.96
MSL3L1	6.581	6.21
MSLN	2.219	0.04
MSMB	0.897	0
MSN	4.169	137.29
MSNL1	3.864	16.11
MSR1	5.35	0
MSRA	1.482	8.75
MSRB2	0.908	1.53
MSRB3	4.51	0.07
MST1	2.223	2.67
MST101	3.491	1.53
MST150	2.747	98.03
MST1R	4.536	0.11
MSTO1	2.44	5.92
MSTP2	0.4	0.25
MSTP7	0.411	0
MSTP9	13.517	0.15
MSX1	1.933	0.61
MSX2	2.208	0
MSX2P	2.162	0
MT1A	0.396	0
MT1B	0.38	0
MT1DP	0.435	0
MT1E	0.506	6.65
MT1F	0.438	1.13
MT1G	0.396	1.25
MT1H	0.349	0
MT1JP	1.762	0
MT1L	1.118	0.09
MT1M	0.397	1
MT1P1	0.399	0
MT1P2	0.52	0
MT1P3	0.339	3.5
MT1X	0.391	89.58

MT2A	0.372	107.18
MT2P1	0.186	11.7
MT3	0.582	0
MT4	0.189	0
MTA1	3.856	22.48
MTA2	3.235	27.93
MTA3	1.857	5.11
MTAC2D1	4.604	0.3
MTAP	4.922	0.62
MTBP	3.059	0.55
MTCH1	3.289	122.04
MTCH2	2.474	7.03
MTCO1P2	1.03	109.41
MTCO2L	0.477	0
MTCP1	3.485	1.53
MTDH	3.717	16.24
MTERF	4.326	1.1
MTERFD1	1.406	2.89
MTERFD2	4.545	10.36
MTERFD3	1.876	2.75
MTF1	3.301	1.98
MTF2	2.819	13.9
MTFMT	1.736	0.97
MTFR1	2.635	0.3
MTG1	1.614	5.15
MTHFD1	3.11	3.11
MTHFD1L	3.598	1.57
MTHFD2	2.589	1.52
MTHFD2L	2.453	0.2
MTHFR	7.105	4.61
MTHFS	0.857	1.27
MTHFSD	2.308	2.49
MTIF2	3.029	4.28
MTIF2P1	1.587	0.31
MTIF3	3.589	36.94
MTL5	5.192	0.38
MTM1	3.412	6.15
MTMR1	4.121	13.62
MTMR10	3.594	19.32
MTMR11	2.324	0.12
MTMR12	5.187	7.31
MTMR14	2.945	22.58
MTMR15	7.575	13.57
MTMR2	4.997	3.07
MTMR3	6.367	27.69
MTMR4	5.785	5.15
MTMR6	4.185	11.99
MTMR7	3.85	0.72
MTMR8	2.639	0.41
MTMR9	7.406	1.03

MTND2P2	1.575	0
MTNR1A	1.105	0
MTNR1B	1.662	0
MTO1	3.322	6.02
MTP18	1.762	2.13
MTPN	7.476	23.52
MTR	7.102	4.39
MTRF1	2.174	2.23
MTRF1L	2.53	3.44
MTRR	3.482	3.49
MTSS1	11.305	40
MTTP	3.392	0
MTUS1	9.7	0.36
MTX1	1.768	6.32
MTX1P	3.461	5.03
MTX2	1.839	0.7
MTX3	6.155	1.77
MUC1	1.969	1.4
MUC12	9.166	9.05
MUC13	2.861	0.04
MUC15	2.084	0
MUC16	43.816	0.01
MUC17	28.7	0.19
MUC19	21.987	0.02
MUC2	5.903	0
MUC20	1.828	6.77
MUC3B	3.749	0
MUC4	8.671	16.22
MUC5AC	3.811	0.03
MUC5B	17.695	0.05
MUC6	6.214	0.43
MUC7	2.341	0
MUCDHL	3.125	0.06
MUM1	4.179	1.16
MUM1L1	3.957	0
MUS81	2.319	4.52
MUSK	2.666	0
MUSTN1	1.725	11.87
MUT	2.776	3.49
MUTED	2.27	0.78
MUTYH	1.839	4.46
MVD	1.795	10.59
MVK	1.952	0.3
MVP	2.873	20.76
MX1	2.787	3.76
MX2	2.961	0.87
MXD1	5.587	4.39
MXD3	1.049	11.88
MXD4	8.79	41.92
MXI1	3.968	9.15

MXRA5	9.638	0
MXRA7	5.207	11.04
MXRA8	2.273	3.18
MYADM	3.769	46.62
MYADML	1.949	0
MYB	4.338	48.6
MYBBP1A	5.537	6.86
MYBL1	5.698	0.66
MYBL2	2.713	7.84
MYBPC1	4.033	0
MYBPC2	3.561	0.36
MYBPC3	4.2	0.14
MYBPH	1.806	0
MYBPHL	1.372	0
MYC	2.359	3.98
MYCBP	2.093	2.12
MYCBP2	14.734	4.54
MYCBPAP	3.123	0.16
MYCL1	5.66	0
MYCL2	1.077	0
MYCL3	1.13	0
MYCN	2.605	0.04
MYCT1	1.083	0
MYD88	2.814	7.7
MYEF2	4.543	0.11
MYEOV	2.287	0
MYEOV2	0.969	13.88
MYF5	1.427	0
MYF6	1.294	0.15
MYH1	5.925	0
MYH10	7.619	2.82
MYH11	7.931	0.22
MYH13	5.992	0
MYH14	7.386	1.1
MYH15	7.075	0
MYH16	53.879	0.01
MYH2	6.046	0
MYH3	6.025	0.39
MYH4	6.016	0
MYH6	5.94	0
MYH7	6.008	0
MYH7B	6.289	0.33
MYH8	6.016	0
MYH9	9.182	136.65
MYL1	1.144	0
MYL2	0.787	0
MYL3	0.877	0
MYL4	0.983	0.3
MYL5	0.661	6.74
MYL6	2.639	146.7

MYL6B	0.869	34.38
MYL6P	0.645	11.97
MYL7	2.175	14.65
MYL9	1.187	16.42
MYLC2PL	1.362	0
MYLIP	3.493	24.75
MYLK	12.152	2.22
MYLK2	2.683	0.07
MYLPF	0.655	0.6
MYNN	3.134	2.93
MYO10	8.808	28.55
MYO15A	11.863	0.04
MYO15B	2.908	7.11
MYO16	6.874	0
MYO18A	8.636	35.92
MYO18B	8.565	0.07
MYO1A	3.613	0
MYO1B	4.825	2.95
MYO1C	4.316	2.09
MYO1D	5.182	0.02
MYO1E	4.715	0.04
MYO1F	3.827	3.49
MYO1G	6.484	7.81
MYO3A	5.584	0.48
MYO3B	5.56	0
MYO5A	6.396	2.94
MYO5B	9.508	0.01
MYO5C	6.828	9.35
MYO6	8.662	0.04
MYO7A	7.462	5.99
MYO7B	6.715	0.16
MYO9A	8.459	0.52
MYO9B	7.459	12.85
MYOC	2.045	0.1
MYOCD	2.817	0
MYOD1	1.806	0
MYOG	1.53	0
MYOHD1	5.616	5.65
MYOM1	5.847	0.19
MYOM2	4.921	0.08
MYOM3	4.856	0
MYOT	2.244	0.22
MYOZ1	1.541	0.45
MYOZ2	2.508	0
MYOZ3	3.443	0.03
MYPN	5.699	0
MYRIP	5.173	5.13
MYSM1	3.546	9.63
MYST1	1.518	23.27
MYST2	3.556	21.25

MYST3	7.86	57.62
MYST4	6.734	10.39
MYT1	5.535	0.27
MYT1L	7.136	0.05
MZF1	3.124	3.93
N4BP1	7.106	7.72
N4BP2	6.598	3.12
N4BP3	5.987	1.88
N6AMT1	4.865	0.04
N6AMT2	0.875	0.12
NAALAD2	3.129	0.04
NAALADL1	2.687	0.33
NAALADL2	4.912	0
NAB1	4.469	3.17
NAB2	2.498	1.11
NACA	1.059	452.65
NACAL	0.777	185.14
NACAP1	0.703	13.65
NADK	3.235	8.93
NADSYN1	2.433	20.82
NAG	7.282	2.85
NAG18	1.582	3.13
NAG6	8.336	0.17
NAG8	5.139	0.2
NAGA	3.606	3.13
NAGK	1.535	12.7
NAGLU	2.783	2.06
NAGPA	2.203	3.01
NAGS	2.072	0.04
NAIP	10.452	0.01
NANOG	2.098	0
NANOGP1	26.133	0.03
NANOGP10	1.816	0
NANOGP11	0.401	0
NANOGP2	1.484	0
NANOGP3	0.689	0
NANOGP4	3.599	0.36
NANOGP5	1.984	0
NANOGP6	0.941	0
NANOGP7	1.565	0
NANOGP8	2.14	0
NANOGP9	1.513	0.13
NANOS1	8.476	0.57
NANOS2	1.565	0
NANOS3	0.949	0.11
NANP	2.337	0.8
NANS	1.17	15.81
NAP1L1	5.136	54.78
NAP1L2	2.531	0.08
NAP1L3	2.68	0

NAP1L4	6.354	17.91
NAP1L5	1.914	3.1
NAP1L6	2.044	0
NAPA	1.842	24.34
NAPB	3.787	2.4
NAPE-PLD	9.674	5.16
NAPG	1.507	8.08
NAPRT1	1.857	10.28
NAPSA	1.392	1.56
NAPSB	12.279	16.7
NARF	3.244	18.05
NARFL	4.887	31.54
NARG1	5.554	5.29
NARG1L	4.754	5.45
NARG2	7.564	1.52
NARS	3.241	23.94
NARS2	2.098	2.21
NARSP	3.256	0.09
NASP	4.996	22.71
NASPP1	3.031	4.9
NAT1	1.424	0.84
NAT10	4.002	9.15
NAT11	3.308	5.98
NAT12	2.892	2.5
NAT13	3.576	26.15
NAT14	1.313	4.29
NAT2	1.276	0
NAT5	1.746	7.48
NAT6	1.195	2.82
NAT8	0.954	0
NAT8B	0.83	0
NAT8L	2.342	0
NAT9	1.875	16.3
NAV1	12.132	13.01
NAV2	11.14	2.06
NAV3	9.63	0
NBEA	10.792	0.16
NBEAL1	4.656	0.12
NBEAL2	9.262	18.61
NBL1	2.18	2.31
NBLA00301	1.599	0
NBN	4.967	7.15
NBPF1	4.288	0.67
NBPF11	5.541	1.71
NBPF13P	39.878	0.02
NBPF14	3.689	0.77
NBPF15	4.02	0.96
NBPF17P	64.487	0.01
NBPF18P	9.839	0
NBPF20	2.931	0.24

NBPF21P	21.789	0
NBPF2P	4.853	0.06
NBPF3	3.766	0.44
NBPF4	2.817	0
NBPF6	2.982	0
NBPF7	1.887	0
NBPF8	2.92	0.88
NBPF9	2.181	0
NBR1	2.908	1.36
NBR2	1.368	1.95
NCALD	3.279	0.82
NCAM1	4.243	0.04
NCAM2	3.699	0
NCAN	6.289	0
NCAPD2	4.486	4.41
NCAPD3	6.037	3.88
NCAPG	4.664	1.59
NCAPG2	10.506	0.74
NCAPH	4.495	1.03
NCAPH2	2.76	7.35
NCBP1	3.059	6.11
NCBP2	2.884	11.25
NCDN	3.973	0.44
NCF1	2.796	3.32
NCF2	2.389	11.26
NCF4	2.215	15.9
NCK1	1.914	8.89
NCK2	4.702	7.11
NCKAP1	4.632	0.11
NCKAP1L	4.559	19.3
NCKIPSD	3.054	0.36
NCL	3.099	89.36
NCLN	4.718	33.97
NCOA1	9.602	4.49
NCOA2	6.439	5.36
NCOA3	8.028	10.76
NCOA4	3.487	41.34
NCOA4P	3.043	0.91
NCOA5	3.209	7.58
NCOA6	7.062	4.72
NCOA7	5.521	1.64
NCOR1	10.814	5.12
NCOR2	8.825	19.35
NCR1	1.135	0.09
NCR2	0.932	0
NCR3	3.126	0
NCSTN	2.935	17.66
ND1	0.957	0
ND2	1.044	0
ND3	0.346	0

ND4	1.378	0
ND4L	0.297	0
ND5	1.812	0
ND6	0.525	0
NDC80	2.072	3.16
NDE1	1.981	8.09
NDEL1	3.644	11.08
NDFIP1	2.533	3.94
NDFIP2	2.636	0.04
NDN	1.897	0
NDNL2	1.66	5.96
NDOR1	2.683	8.15
NDP	1.833	0
NDRG1	4.287	55.39
NDRG2	2.199	3.78
NDRG3	2.964	3.71
NDRG4	5.309	8.94
NDST1	7.915	10.04
NDST2	3.749	5.83
NDST3	3.181	0
NDST4	3.351	0
NDUFA1	0.475	103.31
NDUFA10	2.809	28.95
NDUFA11	0.799	38.76
NDUFA12	0.6	22.59
NDUFA12L	0.622	3.18
NDUFA13	0.959	73.45
NDUFA2	0.586	41.03
NDUFA3	0.341	23.21
NDUFA4	1.646	18.75
NDUFA4L2	1.188	0.08
NDUFA4P1	0.63	10.99
NDUFA5	3.101	9.79
NDUFA6	1.184	15.13
NDUFA7	0.511	27.69
NDUFA8	0.844	2.69
NDUFA9	1.269	19.03
NDUFA9P1	1.15	1.55
NDUFAB1	0.667	20.91
NDUFAF1	1.457	0.34
NDUFB1	0.42	34.15
NDUFB10	0.695	39.71
NDUFB11	0.948	44.15
NDUFB2	0.99	7.09
NDUFB3	0.675	7.92
NDUFB3P1	0.574	1.72
NDUFB3P2	0.304	0
NDUFB3P3	0.46	0
NDUFB3P4	0.456	2.38
NDUFB3P5	0.401	0

NDUFB4	0.527	61.77
NDUFB5	1.059	12.61
NDUFB6	0.862	3.79
NDUFB7	0.543	57.21
NDUFB8	1.033	37.64
NDUFB8P1	0.658	0
NDUFB9	0.703	60.23
NDUFC1	0.412	24.02
NDUFC2	2.138	7.91
NDUFS1	3.417	8.77
NDUFS2	2.042	17.49
NDUFS3	1.627	30.04
NDUFS4	0.653	30.15
NDUFS5	0.511	103.77
NDUFS6	2.337	24.51
NDUFS7	1.702	16.57
NDUFS8	0.779	23.37
NDUFV1	2.276	55.73
NDUFV2	2.87	40.89
NDUFV2P1	1.181	37.11
NDUFV3	2.13	2.32
NEB	20.581	0.04
NEBL	8.82	0
NECAP1	2.564	21.65
NECAP2	2.397	25.22
NEDD1	2.36	3.86
NEDD4	10.567	0.37
NEDD4L	4.869	0.2
NEDD8	0.606	43.75
NEDD9	5.332	14.11
NEFH	3.683	0
NEFL	1.633	0
NEFM	3.238	0
NEGR1	5.669	4.55
NEIL1	3.116	33.85
NEIL2	2.661	3.6
NEIL3	2.273	0.04
NEK1	5.501	0.34
NEK10	2.845	0
NEK11	3.278	0.09
NEK2	2.13	0.28
NEK2P	2.064	0.04
NEK3	2.509	10.73
NEK4	3.696	3.51
NEK5	2.912	0
NEK6	2.582	2.95
NEK7	1.512	11.71
NEK8	2.858	0.55
NEK9	3.244	4.12
NELF	3.383	13.36

NELL1	3	0
NELL2	3.196	0.25
NENF	0.898	17.41
NEO1	5.277	1.86
NES	5.558	0
NESPAS	1.156	0
NET1	3.232	15.19
NETO1	3.921	0
NETO2	3.653	0.13
NEU1	5.766	0
NEU2	1.143	0
NEU3	3.519	2.28
NEU4	2.302	6.23
NEURL	3.996	0.17
NEURL2	1.259	0.08
NEUROD1	2.502	0.04
NEUROD2	2.018	0.1
NEUROD4	1.481	0
NEUROD6	4.314	0
NEUROG1	1.668	0
NEUROG2	2.287	0
NEUROG3	1.167	0
NEXN	2.131	1.81
NF1	8.959	2.71
NF2	10.998	1.89
NFAM1	3.04	1.08
NFASC	10.079	0.02
NFAT5	16.904	3.08
NFATC1	9.681	6.74
NFATC2	3.708	4.35
NFATC2IP	3.877	7.12
NFATC3	6.725	7.32
NFATC4	4.901	0
NFE2	1.658	2.2
NFE2L1	4.749	25.88
NFE2L2	2.408	36.77
NFE2L3	5.698	0.12
NFIA	2.653	0.41
NFIB	8.159	0
NFIC	3.344	7.13
NFIL3	2.085	10.87
NFIX	5.576	5
NFKB1	4.087	11.33
NFKB2	3.004	6.46
NFKBIA	1.55	96
NFKBIB	2.974	6.82
NFKBIE	2.581	3.56
NFKBIL1	4.392	0.03
NFKBIL2	5.653	3.64
NFKBIZ	4.7	13.85

NFRKB	4.358	3.93
NFS1	2.678	1.29
NFU1	1.921	5
NFX1	5.831	8.17
NFXL1	3.728	0.64
NFYA	2.805	10.68
NFYB	3.482	1.57
NFYC	2.259	10.6
NGB	1.876	0
NGDN	3.9	11.23
NGEF	3.156	0
NGFB	1.049	0
NGFR	3.387	2.77
NGFRAP1	1.837	0.32
NGFRAP1L1	0.857	0
NGLY1	2.442	20.87
NGRN	2.085	6.84
NHEDC1	1.859	0.11
NHEJ1	2.037	4.08
NHLH1	2.513	0.2
NHLH2	2.512	0
NHLRC1	2.134	0
NHLRC2	2.55	4.31
NHN1	4.117	21.24
NHP2L1	2.3	41.64
NHS	8.761	0
NHSL1	10.115	0.72
NIBP	4.472	5.33
NICN1	3.227	4.17
NICN2P	2.322	0.09
NID1	4.89	0.1
NID2	5.046	0.55
NIF3L1	1.591	2.18
NIN	11.878	7.79
NINJ1	1.272	42.78
NINJ2	1.062	0.46
NIP30	2.691	22.65
NIP7	2.184	9.1
NIPA1	6.565	1.64
NIPA2	2.57	11.98
NIPBL	10.631	11.14
NIPSNAP1	2.236	7.83
NIPSNAP3A	1.635	6.72
NIPSNAP3B	1.752	1.3
NISCH	6.033	20.96
NIT1	1.362	5.66
NIT2	0.98	5.15
NKAP	1.575	3.39
NKD1	2.586	0
NKD2	1.798	3.41

NKG7	0.826	46.59
NKIRAS1	1.995	2.68
NKIRAS2	3.076	7.5
NKPD1	4.407	17.26
NKRF	3.218	2.86
NKTR	10.3	35.4
NKX1-1	2.94	0
NKX1-2	0.75	0
NKX2-2	2.092	0
NKX2-3	1.98	0
NKX2-5	1.585	0
NKX2-6	0.684	0
NKX2-8	1.803	0
NKX3-1	3.259	0.09
NKX6-1	1.116	0
NKX6-2	0.834	0
NKX6-3	0.551	0
NLE1	3.035	2.25
NLF1	1.406	0
NLF2	1.312	0
NLGN1	4.918	0
NLGN2	4.642	0.38
NLGN3	3.895	2.84
NLGN4X	5.815	0.02
NLGN4Y	5.31	0.02
NLK	4.055	1.97
NLN	2.881	0.13
NLRC3	3.415	0.78
NLRC4	3.363	0.09
NLRC5	6.793	30.88
NLRP1	7.096	28.91
NLRP10	2.02	0
NLRP11	3.422	0
NLRP12	5.522	0.07
NLRP13	3.132	0
NLRP14	3.521	0
NLRP2	3.515	0
NLRP2P	3.503	0
NLRP3	4.461	1.07
NLRP3P	1.745	0
NLRP4	3.313	0
NLRP5	3.836	0
NLRP6	2.679	0.74
NLRP7	3.529	0
NLRP8	3.934	0
NLRP9	3.484	0.03
NLRP9P	3.836	0
NLRX1	3.94	3.01
NMB	1.306	0.91
NMBR	1.354	0

NMD3	2.898	7.41
NME1	1.161	5.2
NME1-NME2	1.052	68.09
NME2	1.566	40.87
NME2P1	0.693	55.11
NME3	1.014	14.15
NME4	1.007	27.41
NME5	1.226	0.08
NME6	1.182	1.67
NME7	2.192	0.22
NMI	1.42	8.08
NMNAT1	1.818	0.32
NMNAT2	5.861	0
NMNAT3	1.863	0
NMNATP	1.067	0
NMRAL1	1.358	5.83
NMS	0.485	0
NMT1	4.886	7.96
NMT2	2.837	2.44
NMU	0.816	0
NMUR1	3.299	0.06
NMUR2	2.041	0
NNAT	1.304	5.23
NNMT	1.578	0.06
NNT	5.484	6.33
NO145	3.13	0.16
NOB1	1.716	20.41
NOBOX	2.946	0
NOC2L	3.039	9.76
NOC3L	3.436	0.55
NOC4L	1.632	6.3
NOD1	9.457	12.93
NOD2	4.485	0.4
NODAL	1.665	0.47
NOG	1.273	0.15
NOL1	2.837	3.14
NOL10	3.331	3.89
NOL11	2.454	5.92
NOL12	2.84	3.45
NOL14	2.918	6.54
NOL3	1.384	1.43
NOL4	2.621	0
NOL5A	1.937	10.93
NOL6	5.713	2.83
NOL7	0.874	22.3
NOL8	4.281	4.92
NOL9	2.837	5.09
NOLA1	1.303	4.25
NOLA2	1.231	24.19
NOLA2P1	0.758	11.48

NOLA3	1.153	28.66
NOLC1	2.759	6.1
NOM1	12.157	0.98
NOMO1	4.247	1.49
NOMO2	4.566	0.76
NOMO3	4.253	0.46
NONO	4.187	107.4
NOP5/NOP58	1.965	33.18
NOPE	6.485	0
NOS1	7.126	0
NOS1AP	2.891	0.13
NOS2A	4.371	4.3
NOS3	8.648	0.15
NOSIP	1.098	14.42
NOSTRIN	1.831	0.16
NOTCH1	9.298	3.39
NOTCH2	11.425	5.45
NOTCH2NL	1.874	8.66
NOTCH3	8.071	0.1
NOTCH4	20.241	0.05
NOTO	0.837	0
NOTUM	2.218	0
NOV	2.369	1
NOVA1	4.291	0
NOVA2	1.857	0
NOX1	2.969	0
NOX3	2.044	0.04
NOX4	2.388	0
NOX5	2.582	0.73
NOXA1	1.633	0.73
NOXO1	1.691	0.18
NP	1.428	4.57
N-PAC	3.99	13.02
NPAL1	2.194	0
NPAL2	2.255	1.54
NPAL3	5.292	0.75
NPAS1	2.043	0
NPAS2	4.004	0.07
NPAS3	3.55	0.03
NPAS4	3.302	0
NPAT	5.87	2.52
NPB	0.378	0
NPBWR1	0.987	0
NPBWR2	1.002	0.29
NPC1	0.1	1251.55
NPC1L1	10.096	0.06
NPC2	0.897	40.26
NPDC1	4.099	41.81
NPEPL1	2.186	16.7
NPEPPS	4.172	9.58

NPFF	0.592	3.84
NPFFR1	1.292	0
NPFFR2	2.291	0
NPHP1	4.231	0.12
NPHP3	5.37	2.34
NPHP4	5.002	1.4
NPHS1	4.285	0.03
NPHS2	1.853	0
NPPI	1.07	1.38
NPL	1.552	0
NPLOC4	0.1	1247.6
NPM1	1.69	96.01
NPM1P1	0.49	0.2
NPM1P12	2.522	0.24
NPM1P13	2.502	0.11
NPM1P14	3.188	0.12
NPM1P17	0.914	0
NPM1P18	2.37	0.63
NPM1P19	1.107	0.36
NPM1P20	1.37	0.07
NPM1P3	1.313	3.24
NPM1P5	0.919	1.29
NPM1P6	0.84	0.47
NPM1P9	1.283	0.54
NPM2	1.1	0.09
NPM3	0.865	5.15
NPNT	4.584	0
NPPA	0.84	1.06
NPPB	0.698	0
NPPC	0.381	1.3
NPR1	4.232	8.49
NPR2	3.43	0.52
NPR3	2.646	0
NPSR1	3.648	0
NPTN	2.441	2.72
NPTX1	5.437	0.36
NPTX2	5.4	0.02
NPTXR	5.814	0
NPVF	2.38	0
NPW	0.829	0.72
NPY	1.102	8.17
NPY1R	2.759	0
NPY2R	3.625	0
NPY5R	1.843	0
NPY6R	1.953	0.15
NQO1	2.591	0.04
NQO2	0.975	0.3
NR0B1	1.536	0
NR0B2	1.16	0
NR1D1	2.766	2.14

NR1D2	4.331	6.05
NR1H2	2.021	32.46
NR1H3	1.528	1.42
NR1H4	2.143	0
NR1I2	4.943	0
NR1I3	1.335	0.29
NR2C1	2.632	9.14
NR2C2	8.33	13.1
NR2E1	3.212	0
NR2E3	2.917	0
NR2F1	3.199	0
NR2F2	3.019	0
NR2F6	1.804	0.55
NR3C1	10.262	14.18
NR3C2	5.744	0.2
NR4A1	4.51	27.16
NR4A2	6.229	4.88
NR4A3	8.363	0.26
NR5A1	3.095	0.06
NR5A2	5.046	0.2
NR6A1	2.392	0.5
NRAP	5.508	0
NRAS	2.339	14.17
NRBF2	1.848	5.41
NRBP1	2.201	19.82
NRBP2	3.491	6.6
NRCAM	13.938	0.05
NRD1	3.821	12.95
NRF1	7.258	4.81
NRG1	7.723	0
NRG2	3.103	0
NRG3	2.091	0.1
NRG4	0.667	0
NRGN	1.299	0.61
NRIP1	7.575	30.93
NRIP2	2.745	1.51
NRIP3	1.507	0.27
NRK	8.061	0
NRL	2.103	0.57
NRM	4.257	0
NRN1	2.819	46.36
NRN1L	0.633	2.19
NRP1	7.164	20.02
NRP2	8.09	1.98
NRSN1	2.345	0
NRSN2	1.974	1.46
NRTN	1.104	1.97
NRXN1	7.286	0
NRXN2	7.393	0.51
NRXN3	8.019	11.41

NSBP1	1.865	1.54
NSD1	8.646	4.13
NSDHL	1.563	3.42
NSF	3.936	5.03
NSFL1C	4.843	2.49
NSL1	1.659	2.27
NSMAF	3.552	7.44
NSMCE1	1.062	9.6
NSMCE2	1.194	8.62
NSMCE4A	1.565	9.98
NSUN2	3.326	11.09
NSUN3	1.435	1.86
NSUN4	4.436	3.54
NSUN5	4.27	3.06
NSUN5B	3.916	3.28
NSUN5C	3.78	2.1
NSUN6	2.2	3.78
NSUN7	3.546	0.36
NT5C	0.941	13.78
NT5C1A	1.107	0
NT5C1B	2.862	0
NT5C2	4.745	39.97
NT5C3	4.028	5.13
NT5C3L	1.446	6.91
NT5C3P1	1.243	2.7
NT5CP1	0.656	0.45
NT5CP2	0.658	0.3
NT5DC1	3.129	1.55
NT5DC2	2.432	15.66
NT5DC3	7.568	0.5
NT5E	5.707	27.76
NT5M	1.588	0.25
NTAN1	1.112	10.14
NTF3	1.2	0.41
NTF5	0.999	0
NTF6A	1.146	0
NTF6B	1.19	0
NTF6G	0.972	0
NTHL1	1.067	10.67
NTN1	1.99	0.44
NTN2L	1.986	0
NTN4	3.615	0
NTNG1	2.932	0.27
NTNG2	2.399	0.5
NTRK1	2.857	0.24
NTRK2	17.061	0
NTRK3	5.095	0
NTS	1.234	0
NTSR1	4.131	0.03
NTSR2	1.703	0

NUAK1	6.821	0.07
NUAK2	3.401	3.06
NUB1	9.083	10.79
NUBP1	1.213	11.99
NUBP2	1.35	14.22
NUBPL	2.05	0.68
NUCB1	2.25	35.53
NUCB2	1.586	5.99
NUCKS1	2.323	25.05
NUDC	1.327	36.53
NUDCD1	3.918	0.78
NUDCD2	0.948	3.96
NUDCD3	7.106	1.95
NUDCP1	1.29	4.07
NUDCP2	0.95	3.12
NUDT1	2.795	13.59
NUDT10	2.001	0
NUDT11	2.396	0
NUDT12	3.488	0.14
NUDT13	2.104	2.87
NUDT14	0.845	5.86
NUDT15	2.022	2.2
NUDT16	3.274	9.07
NUDT16L1	1.313	10.25
NUDT16P	5.441	0.05
NUDT17	1.093	2.81
NUDT18	2.251	2.24
NUDT19	1.471	1.55
NUDT2	1.102	2.43
NUDT21	4.407	10.98
NUDT22	1.094	6.24
NUDT3	4.103	20.91
NUDT4	8.198	106.04
NUDT4P1	2.565	140.71
NUDT5	1.204	13.15
NUDT6	1.39	0.36
NUDT8	0.809	2.57
NUDT9	2.035	3.84
NUDT9P1	1.089	0
NUF2	2.114	1.03
NUFIP1	3.445	0.81
NUFIP1P	1.679	1.06
NUFIP2	4.999	13.42
NUMA1	7.494	48.28
NUMB	3.644	16.35
NUMBL	3.561	1.83
NUP107	3.124	12.03
NUP133	4.17	7.62
NUP153	6.013	25.13
NUP155	4.613	5.43

NUP160	5.383	4.8
NUP188	5.689	5.98
NUP205	12.474	3.18
NUP210	7.191	6.06
NUP210L	5.151	0.02
NUP214	6.601	11.01
NUP35	2.33	1.32
NUP37	1.208	2.95
NUP43	3.848	2.98
NUP50	5.666	7.68
NUP50P1	1.706	0.12
NUP50P2	1.696	0.41
NUP54	2.354	11.35
NUP62	3.721	11.03
NUP62CL	1.591	0
NUP85	2.595	9.99
NUP88	3.573	41.06
NUP93	2.63	8.73
NUP98	7.882	21.78
NUPL1	4.467	4.68
NUPL2	3.514	1.66
NUPR1	0.693	0
NUS1	2.619	6.34
NUSAP1	2.75	5.29
NUT	3.795	0.03
NUTF2	0.886	20.88
NUTF2P2	0.851	3.37
NVL	3.064	3.65
NWD1	8.393	0
NXF1	4.065	40.86
NXF2	2.947	0
NXF3	1.896	0
NXF4	25.344	0
NXF5	2.691	0
NXN	3.004	0.04
NXPH1	5.842	0
NXPH2	0.836	0
NXPH3	1.918	7.48
NXPH4	1.798	0
NXT1	1.117	3.63
NXT2	2.692	0.74
NYD-SP18	3.436	0.09
NYD-SP21	2.795	0.28
NY-REN-7	1.966	0
NY-SAR-48	1.549	1.15
NYX	2.713	0
OAF	1.862	0.91
OAS1	2.564	0.38
OAS2	6.919	0.39
OAS3	6.627	2.11

OASL	2.735	0.11
OAT	1.998	1.68
OATL3	0.46	0
OAZ1	2.698	116.46
OAZ2	1.905	19.58
OAZ3	0.886	0.22
OBFC1	1.42	2.79
OBFC2A	1.865	0.53
OBFC2B	1.301	6.54
OBP2A	0.676	0
OBP2B	0.689	0
OBSCN	20.402	0.26
OBSL1	6.766	0.2
OC90	1.434	0
OCA2	3.136	0
OCC-1	1.139	1.22
OCEL1	1.091	1.08
OCIAD1	2.008	23.5
OCIAD2	0.942	5.04
OCLM	0.884	1.12
OCLN	5.278	0
OCM	1.176	0
OCRL	5.157	3.63
ODAM	0.888	0
ODC1	2.062	12.57
ODF1	0.983	0
ODF2	4.331	5.48
ODF2L	2.53	2.85
ODF3	1.284	0
ODF3L1	1.193	0
ODF4	1.149	0
ODZ1	8.297	0.04
ODZ2	9.964	0
ODZ3	10.858	0
ODZ4	1.419	0.14
OFCC1	0.958	0
OFD1	3.989	12.87
OFD1P1	3.445	2.9
OFDYP1	13.636	0
OFDYP10	33.304	0
OFDYP11	27.428	0
OFDYP12	11.882	0
OFDYP13	22.432	0
OFDYP14	16.151	0
OFDYP15	18.931	0
OFDYP16	6.826	0
OFDYP2	16.196	0
OFDYP3	5.879	0
OFDYP4	16.21	0
OFDYP5	47.217	0

OFDYP6	64.714	0
OFDYP7	19.22	0
OFDYP8	33.474	0
OFDYP9	33.477	0
OGDH	9.763	1.31
OGDHL	3.682	0
OGFOD1	3.02	4.98
OGFOD2	2.08	2.95
OGFR	2.42	12.23
OGFRL1	3.821	24.67
OGG1	7.329	0.96
OGN	3.209	0
OGT	9.063	66.06
OIP5	1.569	2.2
OIT3	2.361	0.04
OLAH	2.238	1.19
OLFM1	3.687	0
OLFM2	1.861	0
OLFM3	3.217	0
OLFM4	2.819	3.16
OLFML1	2.706	0
OLFML2A	5.964	5.84
OLFML2B	3.16	0
OLFML3	1.814	0
OLIG1	2.154	0
OLIG2	2.488	0
OLIG3	2.196	0
OLR1	2.462	0.04
OMA1	1.909	0
OMD	2.255	0
OMG	1.87	0.84
OMP	0.492	0.6
ONECUT1	1.925	0
ONECUT2	1.656	0.12
ONECUT3	1.485	0.06
OPA1	6.029	10.41
OPA3	3.689	0.51
OPCML	6.63	0
OPHN1	7.35	1.21
OPHN1P1	20.054	0
OPLAH	3.92	0.25
OPN1LW	1.223	0
OPN1MW	1.095	0
OPN1MW2	1.223	0
OPN1SW	2.202	0.18
OPN3	4.838	1.9
OPN4	2.341	0
OPN5	4.032	0
OPRD1	1.774	0
OPRK1	4.959	0

OPRL1	3.359	0.76
OPRM1	2.948	0
OPRS1	2.809	1.41
OPTC	1.444	0
OPTN	4.521	20.44
OR10A2	0.912	0
OR10A3	0.945	0
OR10A4	0.948	0
OR10A5	0.954	0
OR10A6	0.945	0
OR10A7	0.951	0
OR10AA1P	0.934	0
OR10AB1P	0.938	0
OR10AC1P	2.758	0
OR10AD1	0.954	0
OR10AE1P	0.598	0
OR10AE3P	0.469	0
OR10AF1P	0.805	0
OR10AG1	0.906	0
OR10AH1P	1.998	0.1
OR10AK1P	0.415	0
OR10B1P	2.235	0
OR10C1	2.817	0
OR10D1P	0.933	0
OR10D3P	0.936	0
OR10D4P	1.297	0
OR10D5P	0.934	0
OR10G1P	1.142	0
OR10G2	0.933	0
OR10G3	0.942	0
OR10G4	0.936	0
OR10G5P	0.705	0
OR10G6	0.759	0
OR10G7	0.936	0
OR10G8	0.936	0
OR10G9	0.936	0
OR10H1	0.957	0
OR10H2	0.948	0
OR10H3	0.951	0
OR10H4	0.951	0
OR10H5	0.948	0
OR10J1	0.963	0
OR10J2P	0.958	0
OR10J3	0.99	0
OR10J4P	0.932	0
OR10J5	0.93	0
OR10J6P	0.927	0
OR10J7P	0.973	0
OR10J8P	0.926	0
OR10J9P	0.987	0

OR10K1	0.942	0
OR10K2	0.939	0
OR10N1P	0.923	0
OR10P1	0.942	0
OR10Q1	0.96	0
OR10Q2P	0.943	0
OR10R2	1.008	0
OR10R3P	0.939	0
OR10S1	0.996	0.1
OR10T2	0.945	0
OR10U1P	0.956	0
OR10V1	0.93	0
OR10V2P	0.764	0.26
OR10V3P	0.725	0
OR10W1	1.469	0
OR10X1	0.981	0
OR10Y1P	0.974	0
OR10Z1	0.942	0
OR11A1	6.687	0
OR11G1P	0.951	0
OR11G2	1.038	0
OR11H1	0.981	0
OR11H12	0.981	0
OR11H13P	0.93	0
OR11H3P	0.947	0
OR11H4	0.975	0
OR11H5P	0.899	0
OR11H6	0.993	0
OR11H7P	0.942	0
OR11H8P	1.381	0
OR11I1P	0.944	0
OR11J1P	0.96	0
OR11J2P	0.946	0
OR11J5P	0.96	0
OR11K1P	0.929	0
OR11K2P	0.948	0
OR11L1	0.969	0
OR11M1P	0.973	0
OR11N1P	0.98	0
OR11P1P	0.374	0
OR11Q1P	0.949	0
OR12D1P	2.796	0
OR12D2	1.848	0
OR12D3	3.738	0
OR13A1	2.078	0.1
OR13C1P	0.954	0
OR13C2	0.957	0
OR13C3	1.044	0
OR13C4	0.957	0
OR13C5	0.957	0

OR13C6P	0.947	0
OR13C7P	0.956	0
OR13C8	0.963	0
OR13C9	0.957	0
OR13D1	1.041	0
OR13D2P	0.934	0
OR13D3P	0.934	0
OR13E1P	0.956	0
OR13F1	0.96	0
OR13G1	0.924	0
OR13H1	0.927	0
OR13I1P	1.265	0
OR13J1	0.939	0
OR13K1P	1.084	0
OR13Z1P	0.893	0
OR13Z2P	0.556	0
OR1A1	0.93	0
OR1A2	0.93	0
OR1AA1P	0.941	0
OR1AB1P	0.739	0
OR1B1	0.957	0
OR1C1	1.143	0
OR1D2	0.939	0
OR1D3P	0.641	0
OR1D4	0.939	0
OR1E1	0.945	0
OR1E2	0.972	0
OR1E3P	0.948	0
OR1F1	0.939	0
OR1F12P	1.414	0
OR1F2	0.985	0
OR1G1	0.942	0
OR1H1P	0.934	0
OR1I1	1.068	0
OR1J1	0.969	0
OR1J2	0.942	0
OR1J4	0.942	0
OR1K1	0.951	0
OR1L1	1.083	0
OR1L3	0.975	0
OR1L4	0.936	0
OR1L6	1.044	0
OR1L8	0.93	0
OR1M1	0.942	0.11
OR1M4P	0.463	0
OR1N1	0.936	0
OR1N2	0.993	0
OR1P1P	0.993	0
OR1Q1	0.945	0
OR1R1P	1.029	0

OR1S1	0.978	0
OR1S2	0.978	0
OR1X1P	1.245	0
OR1X5P	1.252	0
OR2A1	1.866	0.05
OR2A12	1.866	0
OR2A13P	2.414	0
OR2A14	1.863	0.16
OR2A15P	1.794	0
OR2A2	1.914	0.26
OR2A20P	2.063	0
OR2A25	1.866	0
OR2A3P	2.667	0
OR2A4	0.933	0
OR2A41P	0.924	0
OR2A42	1.83	0.05
OR2A5	1.872	0
OR2A7	1.866	0.05
OR2A9P	2.118	0.51
OR2AD1P	2.784	0
OR2AE1	1.944	2.7
OR2AF1P	0.89	0
OR2AG1	0.951	0
OR2AG2	0.951	0
OR2AH1P	0.925	0
OR2AI1P	0.929	0
OR2AJ1	0.943	0
OR2AK2	1.008	0
OR2AL1P	0.737	0
OR2AM1P	0.405	0
OR2AO1P	1.555	0.06
OR2AP1	0.927	0
OR2AQ1P	0.241	0
OR2AS1P	0.482	0
OR2AS2P	0.35	0
OR2AT1P	0.77	0
OR2AT2P	0.972	0
OR2AT4	0.963	0
OR2B11	0.954	0
OR2B2	1.074	0
OR2B3	2.826	0
OR2B4P	1.91	0.98
OR2B6	0.942	2.63
OR2B7P	0.935	0
OR2B8P	0.938	0
OR2BH1P	0.864	0
OR2C1	0.939	0
OR2C3	2.742	0
OR2D2	0.927	0
OR2D3	0.993	0

OR2E1P	0.628	0
OR2F1	2.178	0
OR2F2	1.908	0
OR2G1P	2.973	0
OR2G2	0.954	0
OR2G3	0.93	0
OR2G6	0.951	0
OR2H1	8.988	0
OR2H2	3.189	0
OR2H4P	2.823	0
OR2H5P	1.734	0
OR2I1P	3.177	0
OR2J1	2.808	0
OR2J2	2.817	0
OR2J3	2.808	0
OR2J4P	2.799	0
OR2K2	0.951	0
OR2L13	1.884	0
OR2L1P	0.925	0
OR2L2	1.134	0
OR2L3	0.939	0
OR2L5	0.936	0
OR2L6P	0.936	0
OR2L8	0.939	0
OR2L9P	0.934	0
OR2M1P	0.645	0
OR2M2	1.044	0
OR2M3	0.939	0
OR2M4	0.936	0
OR2M5	0.939	0
OR2M7	0.939	0
OR2N1P	2.841	0
OR2P1P	2.205	0
OR2Q1P	1.856	1.81
OR2R1P	2.7	0
OR2S1P	0.947	0
OR2S2	0.93	0
OR2T1	1.11	0
OR2T10	0.939	0
OR2T11	0.951	0
OR2T12	0.963	0
OR2T2	0.975	0
OR2T27	0.954	0
OR2T29	0.93	0
OR2T3	0.957	0
OR2T32P	0.961	0
OR2T33	0.963	0
OR2T34	0.957	0
OR2T35	0.972	0
OR2T4	1.047	0

OR2T5	0.948	0
OR2T6	0.927	0
OR2T7	0.924	0
OR2T8	0.939	0
OR2U2P	1.914	0
OR2V1	0.945	0
OR2V2	0.948	0
OR2W1	2.949	0
OR2W2P	0.948	0
OR2W3	0.945	0.52
OR2W4P	0.923	0
OR2W5	0.963	0
OR2W6P	0.998	1.39
OR2X1P	0.745	0
OR2Y1	0.936	0
OR2Z1	0.945	0
OR3A1	0.948	0
OR3A2	1.085	0
OR3A3	0.966	0
OR3A4	1.047	0
OR3B1P	0.929	0
OR3D1P	0.936	0
OR4A10P	0.411	0
OR4A11P	0.918	0
OR4A12P	0.945	0
OR4A13P	0.942	0
OR4A14P	0.959	0
OR4A15	1.035	0
OR4A16	0.987	0
OR4A17P	0.904	0
OR4A18P	0.888	0
OR4A19P	0.903	0
OR4A1P	0.909	0
OR4A21P	0.99	0
OR4A2P	0.913	0
OR4A3P	0.871	0
OR4A40P	0.944	0
OR4A41P	0.952	0
OR4A42P	0.934	0
OR4A43P	0.911	0
OR4A44P	0.981	0
OR4A45P	0.916	0
OR4A46P	0.941	0
OR4A47	0.93	0
OR4A48P	0.774	0
OR4A49P	0.432	0
OR4A4P	0.927	0
OR4A5	0.948	0
OR4A50P	0.486	0
OR4A6P	0.97	0

OR4A7P	0.91	0
OR4A8P	0.945	0
OR4A9P	0.944	0
OR4B1	0.93	0
OR4B2P	0.903	0
OR4C10P	0.946	0
OR4C11	0.933	0
OR4C12	0.93	0
OR4C13	0.93	0
OR4C14P	0.923	0
OR4C15	1.113	0
OR4C16	0.933	0
OR4C1P	0.925	0
OR4C2P	1.037	0
OR4C3	0.99	0
OR4C46	0.93	0
OR4C4P	7.15	0
OR4C5	0.792	0
OR4C50P	0.927	0
OR4C6	0.93	0
OR4C7P	0.925	0
OR4C9P	0.925	0
OR4D1	0.933	0
OR4D10	0.936	0
OR4D11	0.936	0
OR4D12P	1.025	0
OR4D2	1.927	0
OR4D5	0.957	0.2
OR4D6	0.945	0
OR4D7P	1.014	0
OR4D8P	0.959	0
OR4D9	0.945	0
OR4E1P	1.147	0
OR4E2	0.942	0
OR4F13P	0.937	0
OR4F14P	0.936	0
OR4F15	0.939	0
OR4F16	1.738	0
OR4F17	0.918	0
OR4F1P	0.935	0
OR4F21	0.939	0
OR4F28P	0.935	0
OR4F29	1.738	0
OR4F4	0.918	0
OR4F5	0.918	0
OR4F6	0.939	0
OR4F7P	0.923	0
OR4F8P	0.935	0
OR4G11P	0.87	0
OR4G1P	0.869	0

OR4G2P	0.576	0
OR4G3P	0.864	0
OR4G4P	0.944	0
OR4G6P	0.944	0
OR4H12P	0.879	0
OR4H6P	0.637	0
OR4K1	0.936	0
OR4K11P	0.955	0
OR4K12P	0.933	0
OR4K13	0.915	0
OR4K14	0.933	0
OR4K15	1.047	0
OR4K16P	1.008	0
OR4K17	1.032	0
OR4K2	0.945	0
OR4K3P	1.347	0
OR4K4P	0.933	0
OR4K5	0.972	0
OR4K6P	0.939	0
OR4K7P	0.873	0
OR4K8P	0.972	0
OR4L1	0.939	0
OR4M1	0.942	0
OR4M2	0.942	0
OR4N1P	0.949	0
OR4N2	0.924	0
OR4N3P	0.924	0
OR4N4	0.951	0
OR4N5	0.927	0
OR4P1P	0.936	0
OR4P4	0.939	0
OR4Q1P	0.981	0
OR4Q2P	0.931	0
OR4Q3	0.942	0
OR4R1P	0.846	0
OR4R2P	0.857	0
OR4R3P	0.838	0
OR4S1	0.93	0
OR4S2	0.936	0
OR4T1P	0.921	0
OR4U1P	0.94	0
OR4V1P	0.94	0
OR4W1P	0.348	0
OR4X1	0.918	0
OR4X2	0.912	0
OR51A10P	0.856	0
OR51A1P	1.066	0
OR51A2	0.942	0
OR51A3P	0.957	0
OR51A4	0.942	0

OR51A5P	0.966	0
OR51A6P	1.019	0
OR51A7	0.939	0
OR51A8P	0.937	0
OR51A9P	0.899	0
OR51B2	0.939	0
OR51B3P	0.949	0
OR51B4	0.933	0
OR51B5	0.939	0
OR51B6	0.939	0
OR51B8P	0.758	0
OR51C1P	0.942	0
OR51C4P	0.948	0
OR51D1	0.975	0
OR51E1	1.35	0
OR51E2	2.781	0
OR51F1	0.939	0
OR51F2	1.029	0.1
OR51F3P	0.901	0
OR51F4P	0.899	0
OR51F5P	0.942	0
OR51G1	0.966	0
OR51G2	0.945	0
OR51H1P	0.945	0
OR51H2P	0.947	0
OR51I1	0.945	0
OR51I2	0.939	0
OR51J1	0.975	0
OR51K1P	0.947	0
OR51L1	0.948	0
OR51M1	0.981	0
OR51N1P	0.949	0
OR51P1P	0.952	0
OR51Q1	0.954	0
OR51R1P	0.949	0
OR51S1	0.972	0
OR51T1	1.065	0
OR51V1	0.966	0
OR52A1	0.939	0
OR52A4	0.915	0
OR52A5	0.951	0
OR52B1P	0.955	0
OR52B2	0.972	0
OR52B3P	0.943	0
OR52B4	0.945	0
OR52B5P	0.945	0
OR52B6	1.008	0
OR52D1	0.957	0
OR52E1P	0.923	0
OR52E2	0.978	0

OR52E3P	0.975	0
OR52E4	0.939	0
OR52E5	0.948	0
OR52E6	0.942	0
OR52E7P	0.929	0
OR52E8	0.954	0
OR52H1	0.963	0
OR52H2P	0.932	0
OR52I1	0.975	0
OR52I2	1.053	0
OR52J1P	0.87	0
OR52J2P	0.963	0
OR52J3	0.936	0
OR52K1	0.945	0
OR52K2	0.945	0
OR52K3P	0.947	0
OR52L1	0.99	0
OR52L2P	0.912	0
OR52M1	0.954	0
OR52M2P	0.98	0
OR52N1	0.963	0
OR52N2	0.966	0
OR52N3P	0.958	0
OR52N4	0.966	0
OR52N5	0.975	0
OR52P1P	0.96	0.11
OR52P2P	0.897	0
OR52Q1P	0.844	0
OR52R1	1.185	0
OR52S1P	0.955	0
OR52T1P	0.966	0
OR52U1P	0.977	0
OR52V1P	0.904	0
OR52W1	0.963	0
OR52X1P	0.98	0
OR52Y1P	0.494	0
OR52Z1P	0.891	0
OR55B1P	0.98	0
OR56A1	0.957	0
OR56A3	0.721	0
OR56A4	1.098	0
OR56A7P	0.938	0
OR56B1	0.975	0
OR56B2P	0.885	0
OR56B3P	0.944	0
OR56B4	0.96	0
OR5A1	0.948	0
OR5A2	0.975	0
OR5AC1P	0.922	0
OR5AC2	0.93	0

OR5AC4P	0.916	0
OR5AH1P	0.369	0
OR5AK1P	0.928	0
OR5AK2	0.93	0
OR5AK3P	0.927	0
OR5AK4P	0.928	0
OR5AL1P	0.985	0
OR5AL2P	0.92	0
OR5AM1P	1.065	0
OR5AN1	0.936	0
OR5AN2P	0.947	0
OR5AO1P	0.331	0
OR5AP1P	0.94	0
OR5AP2	0.951	0
OR5AQ1P	0.936	0
OR5AR1	0.933	0
OR5AS1	0.975	0
OR5AT1	0.93	0
OR5AU1	1.089	0
OR5AV1P	0.879	0
OR5AW1P	0.924	0
OR5AX1	1.345	0
OR5AY1	0.949	0
OR5AZ1P	0.929	0
OR5B10P	0.654	0
OR5B12	0.945	0
OR5B15P	0.916	0
OR5B17	0.945	0
OR5B19P	0.858	0
OR5B1P	0.648	0
OR5B2	0.93	0
OR5B21	0.93	0
OR5B3	0.945	0
OR5BA1P	0.979	0
OR5BB1P	0.939	0
OR5BC1P	0.834	0
OR5BD1P	0.827	0
OR5BE1P	0.936	0
OR5BF1	0.939	0
OR5BH1P	0.909	0
OR5BJ1P	0.904	0
OR5BK1P	0.887	0
OR5BL1P	0.633	0
OR5BM1P	0.926	0
OR5BN1P	0.829	0
OR5BN2P	0.618	0
OR5BP1P	0.434	0
OR5BQ1P	0.336	0
OR5BR1P	1.33	0
OR5BS1P	0.933	0

OR5BT1P	0.955	0
OR5BU1	0.936	0
OR5C1	0.963	0
OR5D13	0.945	0
OR5D14	0.945	0
OR5D15P	0.942	0
OR5D16	0.987	0
OR5D17P	0.978	0
OR5D18	0.942	0
OR5D2P	0.637	0
OR5D3P	0.649	0
OR5E1P	0.933	0
OR5F1	0.945	0
OR5F2P	0.941	0
OR5G1P	0.921	0
OR5G3P	0.968	0
OR5G4P	0.981	0
OR5G5P	0.936	0
OR5H1	0.942	0
OR5H14	0.933	0
OR5H15	0.942	0
OR5H2	0.945	0
OR5H3P	0.916	0
OR5H4P	0.928	0
OR5H5P	0.925	0
OR5H6	0.978	0
OR5H7P	0.927	0
OR5H8P	0.928	0
OR5I1	0.945	0
OR5J1P	0.936	0
OR5J2	0.939	0
OR5J7P	0.422	0
OR5K1	0.952	0
OR5K2	0.951	0
OR5K3	0.966	0
OR5K4	0.966	0
OR5L1	0.936	0
OR5L2	0.936	0
OR5M1	0.948	0
OR5M10	0.948	0
OR5M11	0.918	0
OR5M12P	0.968	0
OR5M13P	0.488	0
OR5M14P	0.354	0
OR5M2P	0.936	0
OR5M3	0.924	0
OR5M4P	0.925	0
OR5M5P	0.936	0
OR5M6P	0.937	0
OR5M7P	0.972	0

OR5M8	0.936	0
OR5M9	0.933	0
OR5P1P	0.922	0
OR5P2	0.969	0
OR5P3	0.936	0
OR5P4P	0.92	0
OR5R1	0.975	0
OR5S1P	0.948	0
OR5T1	0.981	0
OR5T2	1.08	0
OR5T3	1.023	0
OR5U1	1.932	0
OR5V1	2.096	0.05
OR5W1P	0.803	0
OR5W2	0.933	0
OR6A2	1.384	0
OR6B1	1.872	0.16
OR6B2	0.939	0
OR6B3	0.996	0
OR6C1	0.939	0
OR6C2	0.939	0
OR6C3	0.936	0
OR6C4	0.93	0
OR6C5P	0.923	0
OR6C6	0.945	0
OR6C64P	0.879	0
OR6C65	0.939	0
OR6C66P	0.933	0
OR6C68	0.954	0
OR6C69P	0.896	0
OR6C70	0.939	0
OR6C71P	0.936	0
OR6C72P	0.934	0
OR6C73P	0.998	0
OR6C74	0.939	0
OR6C75	0.939	0
OR6C76	0.939	0
OR6C7P	0.939	0
OR6D1P	0.813	0
OR6E1P	0.926	0
OR6F1	0.927	0
OR6J1	0.888	0
OR6K1P	0.971	0
OR6K2	0.975	0
OR6K3	0.996	0
OR6K4P	0.882	0
OR6K5P	0.848	0
OR6K6	1.032	0
OR6L1P	0.88	0
OR6L2P	0.925	0

OR6M1	0.942	0
OR6M2P	0.946	0
OR6M3P	0.843	0
OR6N1	0.939	0
OR6N2	0.954	0
OR6P1	0.951	0
OR6Q1	0.954	0
OR6R1P	0.929	0
OR6R2P	0.811	0
OR6S1	0.996	0
OR6T1	0.972	0
OR6U2P	0.932	0
OR6V1	1.884	0
OR6W1P	3.004	0
OR6X1	0.939	0
OR6Y1	0.978	0
OR7A10	1.358	12.97
OR7A11P	0.989	0
OR7A15P	0.649	0
OR7A17	0.93	0
OR7A18P	0.427	0
OR7A19P	0.733	0
OR7A1P	0.946	0.21
OR7A2P	1.677	0.12
OR7A3P	0.646	0
OR7A5	2.138	97.82
OR7A8P	0.633	0
OR7C1	0.963	5.34
OR7C2	0.96	0
OR7D1P	0.649	0
OR7D2	3.224	0.03
OR7D4	0.939	0
OR7E100P	1.015	0
OR7E101P	0.674	0
OR7E102P	0.996	0
OR7E104P	0.746	0
OR7E105P	0.996	0
OR7E106P	0.947	0
OR7E108P	1.024	0
OR7E109P	0.947	0
OR7E10P	0.987	0
OR7E110P	0.596	0
OR7E111P	0.981	0
OR7E115P	0.939	0
OR7E116P	1.026	0
OR7E117P	1.026	0
OR7E11P	0.663	0
OR7E121P	1.023	0
OR7E122P	0.921	0
OR7E125P	0.969	0

OR7E126P	1.419	0
OR7E128P	1.032	0.1
OR7E129P	1.025	0
OR7E12P	0.934	0
OR7E130P	0.963	0
OR7E136P	1.934	0
OR7E13P	0.653	0
OR7E140P	0.996	0
OR7E145P	1.026	0
OR7E148P	0.953	0
OR7E149P	0.981	0
OR7E14P	0.652	0
OR7E155P	1.026	0
OR7E156P	7.703	0.03
OR7E157P	0.969	0
OR7E158P	0.9	0
OR7E159P	0.309	0
OR7E15P	0.656	0
OR7E160P	0.1	0
OR7E161P	0.996	0
OR7E162P	1.035	0
OR7E16P	0.648	0
OR7E18P	0.821	0
OR7E19P	0.977	0
OR7E1P	1.023	0
OR7E21P	1.054	0
OR7E22P	1.026	0
OR7E23P	0.983	0
OR7E24	1.017	0
OR7E25P	0.981	0
OR7E26P	0.654	0
OR7E28P	0.947	0
OR7E29P	0.945	0
OR7E2P	0.807	0
OR7E31P	0.657	0
OR7E33P	1.008	0
OR7E35P	0.914	0
OR7E36P	0.995	0
OR7E37P	0.664	0
OR7E38P	1.973	0
OR7E39P	1.944	0
OR7E41P	0.643	0
OR7E43P	0.652	0
OR7E46P	0.945	0
OR7E47P	0.946	0.31
OR7E4P	0.921	0
OR7E53P	0.655	0
OR7E55P	0.951	0
OR7E59P	1.918	0
OR7E5P	0.651	0

OR7E62P	0.646	0
OR7E66P	0.522	0
OR7E7P	2.014	0.1
OR7E83P	0.965	0
OR7E84P	1.027	0
OR7E85P	1.028	0
OR7E86P	1.023	0
OR7E87P	0.648	0
OR7E89P	0.969	0
OR7E8P	1.026	0
OR7E90P	0.974	0
OR7E91P	7.092	0
OR7E93P	0.971	0
OR7E94P	0.33	0
OR7E96P	0.969	0
OR7E97P	0.971	0
OR7E99P	1.025	0
OR7G1	1.002	0
OR7G15P	0.404	0
OR7G2	1.038	0
OR7G3	0.939	0
OR7H1P	0.937	0
OR7H2P	0.898	0
OR7K1P	1.004	0
OR7L1P	1.083	0
OR7M1P	0.55	0
OR8A1	0.981	0
OR8A2P	0.963	0
OR8A3P	0.379	0
OR8B10P	0.933	0
OR8B12	0.933	0
OR8B1P	0.973	0
OR8B2	0.942	0
OR8B3	0.942	0
OR8B4	0.93	0
OR8B5P	0.803	0
OR8B6P	0.901	0
OR8B7P	0.619	0
OR8B8	0.936	0
OR8B9P	0.485	0
OR8C1P	0.675	0
OR8D1	0.927	0
OR8D2	0.936	0
OR8D4	0.945	0
OR8F1P	0.963	0
OR8G1	0.865	0
OR8G2	0.915	0
OR8G3P	0.465	0
OR8G5	1.041	0
OR8G7P	1.197	0

OR8H1	0.936	0
OR8H2	0.939	0
OR8H3	0.939	0
OR8I1P	0.931	0
OR8I2	0.933	0
OR8I4P	0.141	0
OR8J1	0.951	0
OR8J2P	0.965	0
OR8J3	0.948	0
OR8K1	0.96	0
OR8K2P	0.927	0
OR8K3	0.939	0
OR8K4P	0.872	0
OR8K5	0.924	0
OR8L1P	0.955	0
OR8Q1P	0.657	0
OR8R1P	0.554	0
OR8S1	1.08	0
OR8T1P	0.915	0
OR8U8	0.96	0
OR8V1P	0.921	0
OR8X1P	0.869	0
OR9A1P	1.578	0
OR9A2	1.866	0
OR9A3P	1.92	0.11
OR9A4	1.89	0.11
OR9G1	0.918	0
OR9G2P	0.988	0
OR9G3P	0.914	0
OR9G4	0.984	0
OR9H1P	0.924	0
OR9I1	0.945	0
OR9I2P	0.486	0
OR9I3P	0.942	0
OR9K1P	0.939	0
OR9K2	1.008	0
OR9L1P	1.257	0
OR9M1P	0.93	0
OR9N1P	1.242	0
OR9P1P	1.412	0
OR9Q1	2.459	0
OR9Q2	0.945	0
OR9R1P	0.954	0
ORAOV1	2.528	3.6
ORC1L	3.157	0.78
ORC2L	3.121	2.31
ORC3L	2.588	1.53
ORC4L	3.056	3.14
ORC5L	4.552	1.02
ORC6L	1.628	0.43

ORM1	0.804	0
ORM2	0.844	0.47
ORMDL1	2.016	13.64
ORMDL2	1.244	4.93
ORMDL3	2.109	59.72
OS9	2.942	41.6
OSAP	1.217	0
OSBP	5.083	12.75
OSBP2	4.34	0.28
OSBPL10	3.923	1.79
OSBPL11	4.196	1.32
OSBPL1A	5.141	2.41
OSBPL2	4.08	9.85
OSBPL3	13.424	3.11
OSBPL5	3.933	4.28
OSBPL6	4.008	0
OSBPL7	4.226	4.61
OSBPL8	7.48	3.45
OSBPL9	3.615	16.81
OSCAR	3.663	0.27
OSGEP	2.169	16.2
OSGEPL1	1.388	0.28
OSGIN1	3.059	0.16
OSGIN2	4.2	3.3
OSM	1.865	0.53
OSMR	4.163	2.09
OSR1	1.894	0
OSR2	1.736	0.23
OSTalpha	1.455	0.82
OSTbeta	0.454	0
OSTF1	0.901	8.89
OSTF1P	0.751	0.92
OSTM1	4.467	0.33
OSTN	0.402	0
OTC	1.931	0
OTEX	0.755	0.78
OTOA	3.873	0.2
OTOF	8.939	0
OTOG	8.775	0
OTOP1	1.869	0
OTOP2	1.778	0
OTOP3	1.791	0
OTOR	1.477	0
OTOS	0.566	0
OTP	2.678	0
OTUB1	1.871	31.3
OTUB2	3.873	0
OTUD1	3.512	7.38
OTUD3	6.621	3.23
OTUD4	7.462	8.04

OTUD5	3.035	31.13
OTUD6A	1.689	0
OTUD6B	3.142	0.57
OTUD7A	3.042	0.04
OTUD7B	3.152	1.19
OTX1	2.176	0
OTX2	2.519	0
OVCH1	3.42	0
OVCH2	1.695	0
OVGP1	2.242	0.97
OVOL1	2.993	0
OVOL2	1.555	0
OVOS2	4.409	0.25
OXA1L	2.037	61.74
OXCT1	3.37	4.05
OXCT2	1.824	0
OXCT2P	1.616	0
OXER1	1.762	2.3
OXGR1	2.285	0
OXNAD1	3.921	0.78
OXR1	4.393	1.76
OXSM	1.519	3
OXSR1	4.523	4.51
OXT	0.512	0.2
OXTR	4.361	0.38
P11	2.321	1.49
P117	0.9	9.78
P15RS	4.745	2.88
P18SRP	2.318	4.36
P2RX1	4.265	28.6
P2RX2	2.586	0.04
P2RX3	1.349	0
P2RX4	2.028	7.31
P2RX5	2.568	6.17
P2RX7	3.155	0.44
P2RXL1	3.554	0.03
P2RY1	3.11	0.22
P2RY10	1.79	1.44
P2RY11	2.828	18.79
P2RY12	1.704	0
P2RY13	2.94	0.51
P2RY14	2.412	23.22
P2RY2	2.864	0.14
P2RY4	1.639	0
P2RY5	2.087	32.99
P2RY6	3.333	0.03
P2RY8	4.198	42.87
P4HA1	2.814	25.21
P4HA2	2.706	0.47
P4HA3	2.269	0

P4HB	2.422	52.82
P5.8	1.143	0
P5-04	0.113	13.13
P5-05	0.132	0
P5-07	0.587	0
P5-09	0.15	0
P5-11	0.146	0
P518	0.411	0
P53AIP1	2.659	0
P704P	1.236	0
PA2G4	1.978	13.31
PA2G4P	1.201	0.33
PA2G4P2	1.2	0.57
PA2G4P4	2.757	0.75
PA2G4P5	1.175	0.59
PA2G4P6	7.791	0.42
PABPC1	2.86	391.25
PABPC3	2.43	66.73
PABPC4	3.048	23.01
PABPC5	3.447	0
PABPCP1	0.942	1.89
PABPCP3	0.964	21.65
PABPN1	4.002	54.31
PACRG	1.619	0
PACS1	4.488	19.45
PACS2	4.416	12.92
PACSIN1	4.234	1.12
PACSIN2	7.625	44.89
PACSIN3	1.841	17.63
PADI1	2.692	0
PADI2	2.348	0.84
PADI3	3.186	0
PADI4	2.263	1
PADI6	2.397	0
PAEP	0.84	0
PAF1	2.425	13.99
PAFAH1B1	5.58	28.42
PAFAH1B2	2.611	28.99
PAFAH1B3	1.003	13.51
PAFAH1P1	2.248	1.37
PAFAH1P2	2.369	1.21
PAFAH2	2.524	1.64
PAG1	10.744	9.75
PAGE1	0.665	0
PAGE2	0.48	0.2
PAGE2B	0.493	0.4
PAGE3	0.742	0
PAGE4	0.493	0
PAGE5	0.923	0
PAH	2.681	0

PAICS	3.306	4.82
PAIP1	3.035	4.08
PAIP2	1.866	83.09
PAK1	3.255	20.06
PAK1IP1	1.497	0.6
PAK2	5.793	9.43
PAK3	2.516	0
PAK4	4.366	0.7
PAK6	3.859	0.44
PAK7	4.655	0
PALB2	4.007	1.01
PALLD	5.809	0.22
PALM	2.874	33.19
PALM2	9.363	0.01
PALM2-AKAP2	9.219	4.55
PALMD	2.577	0
PAM	4	2.03
PAMCI	1.56	0
PAN3	5.333	35.01
PANK1	3.561	0
PANK2	4	7.67
PANK3	4.488	6.22
PANK4	2.642	1.5
PANX1	2.769	1.18
PANX2	2.934	0.24
PANX3	1.6	0
PAOX	2.934	1.35
PAP2D	4.135	0
PAPD1	2.572	11.54
PAPD4	2.988	15
PAPD5	7.636	1.04
PAPLN	5.784	0.43
PAPOLA	4.803	12.3
PAPOLB	8.514	0.12
PAPOLG	4.245	3.06
PAPPA	10.97	0
PAPPA2	7.57	0
PAPSS1	2.542	3.42
PAPSS2	3.858	0.34
PAQR3	4.28	5.07
PAQR4	2.446	1.13
PAQR5	4.262	0
PAQR6	3.709	11.5
PAQR7	3.023	3.27
PAQR8	4.637	0.06
PAQR9	2.103	0.04
PAR1	0.1	0
PAR4	0.1	0
PAR5	0.1	0
PARC	7.771	4.88

PARD3	4.071	6.44
PARD3B	4.066	0
PARD6A	2.015	0.35
PARD6B	4.615	0.09
PARD6G	3.124	0.28
PARG	2.614	0.41
PARK2	2.961	0
PARK7	0.879	63.59
PARL	1.412	18.36
PARN	2.992	3.57
PARP1	3.861	33.24
PARP10	3.47	7.15
PARP11	4.486	2.56
PARP12	7.582	2.9
PARP14	7.368	24.56
PARP15	3.751	39.56
PARP16	2.534	1.37
PARP1P1	3.53	2.81
PARP1P2	0.93	2.02
PARP2	1.861	15.37
PARP3	3.026	3.24
PARP4	5.468	5.97
PARP4P	39.973	0.06
PARP6	3.159	25.46
PARP8	3.205	13.55
PARP9	3.233	3.76
PARS2	2.347	0.12
PAR-SN	0.1	0
PART1	2.097	0.04
PARVA	4.084	0
PARVB	1.954	9.67
PARVG	3.094	39.91
PASD1	3.161	0.12
PASK	4.53	3.12
PATE	1.508	0
PATZ1	6.396	5.62
PAWR	1.951	0.15
PAX1	2.771	0
PAX2	9.124	0
PAX3	8.643	0
PAX4	4.026	0
PAX5	7.619	20.38
PAX6	2.966	0
PAX7	2.389	0
PAX8	6.777	0.02
PAX9	1.629	0
PAXIP1	7.424	0.46
PB1	7.917	4.09
PBEF1	4.752	4.79
PBK	1.854	0.53

PBLD	2.917	3.05
PBOV1	2.505	0
PBPP1	1.343	0.07
PBX1	1.813	0.05
PBX2	9.609	0.05
PBX2P1	3.202	2.04
PBX3	3.227	8.65
PBX4	1.438	6.47
PBXIP1	4.668	62.7
PC	4.241	0.21
PC-3	0.68	7.71
PCAF	4.824	2.48
PCBD1	1.006	0.89
PCBD2	2.439	282.94
PCBP1	1.634	116.92
PCBP2	3.601	166.2
PCBP2P1	1.125	12.84
PCBP3	1.988	0.05
PCBP4	3.366	1.71
PCCA	2.494	1.03
PCCB	1.827	8.07
PCDH1	7.542	0.05
PCDH10	8.475	0
PCDH11X	14.084	0
PCDH11Y	11.256	0
PCDH12	5.182	1.8
PCDH15	7.021	0
PCDH17	6.031	0.05
PCDH18	5.143	0.02
PCDH19	6.495	0
PCDH20	4.404	0
PCDH21	5.325	0.04
PCDH7	12.444	0
PCDH8	6.342	0.04
PCDH9	6.222	1.81
PCDHA@	0.1	0
PCDHA1	9.433	0
PCDHA10	9.388	0
PCDHA11	8.548	0
PCDHA12	7.739	0
PCDHA13	7.687	0
PCDHA14	2.363	0
PCDHA2	8.435	0
PCDHA3	7.735	0.01
PCDHA4	7.749	0
PCDHA5	7.669	0
PCDHA6	9.301	0
PCDHA7	7.591	0
PCDHA8	7.705	0
PCDHA9	11.648	0

PCDHAC1	8.383	0
PCDHAC2	8.086	0
PCDHACT	2.866	0
PCDHB1	2.534	0
PCDHB10	3.262	0
PCDHB11	3.271	0.09
PCDHB12	3.408	0
PCDHB13	3.485	0
PCDHB14	2.783	0.11
PCDHB15	2.656	0.07
PCDHB16	4.817	0
PCDHB17	2.411	0
PCDHB18	3.166	0.06
PCDHB19P	4.632	0
PCDHB2	2.728	0
PCDHB3	3.173	0
PCDHB4	3.621	0
PCDHB5	2.905	0
PCDHB6	3.03	0
PCDHB7	3.715	0
PCDHB8	2.592	0
PCDHB9	4.219	0
PCDHGA1	7.074	0.2
PCDHGA10	7.17	0.33
PCDHGA11	9.609	0.49
PCDHGA12	7.237	0.6
PCDHGA2	7.262	0.19
PCDHGA3	7.095	0.2
PCDHGA4	7.131	0.2
PCDHGA5	7.044	0.25
PCDHGA6	7.062	0.71
PCDHGA7	7.326	0.36
PCDHGA8	8.093	0.23
PCDHGA9	7.092	0.3
PCDHGB1	7.023	0.24
PCDHGB2	7.038	0.92
PCDHGB3	7.041	0.49
PCDHGB4	6.99	0.41
PCDHGB5	7.035	0.32
PCDHGB6	7.062	0.25
PCDHGB7	7.311	0.39
PCDHGB8P	1.973	0.1
PCDHGB9P	2.304	0.09
PCDHGC3	7.435	2.29
PCDHGC4	7.239	0.31
PCDHGC5	7.278	0.34
PCF11	6.965	17.24
PCFT	2.097	0.04
PCGEM1	1.59	0
PCGF1	0.871	11.7

PCGF2	2.604	3.49
PCGF3	6.876	15.22
PCGF5	7.474	2.87
PCGF6	2.23	0.93
PCGF7P	1.916	0.36
PCID1	1.587	61.84
PCID2	1.786	3.77
PCK1	2.688	0
PCK2	2.789	3.87
PCLKC	4.095	0.24
PCLO	30.099	0.12
PCM1	6.939	10.83
PCMT1	1.599	6.25
PCMTD1	6.62	13.33
PCMTD2	4.021	20.12
PCNA	1.558	16.19
PCNAP	0.983	0
PCNAP1	1.748	0
PCNP	2.372	30.62
PCNT	10.541	3.23
PCNX	7.69	5.3
PCNXL2	6.089	2.24
PCNXL3	7.207	5.84
PCOLCE	3.016	0.89
PCOLCE2	1.91	0
PCOLN3	2.477	15.98
PCOTH	0.804	0.37
PCP2	1.223	16.5
PCP4	0.556	0
PCP4L1	1.43	0
PCQAP	8.831	27.85
PCQAPP	4.365	0
PCSK1	5.054	0
PCSK1N	0.973	0.1
PCSK2	4.745	0
PCSK4	2.661	0.12
PCSK5	3.295	0.06
PCSK6	8.008	0.18
PCSK7	3.484	24.65
PCSK9	3.636	0.03
PCTK1	3.704	26.9
PCTK2	4.29	4.34
PCTK3	3.569	2.63
PCTP	1.933	11.62
PCYOX1	4.225	0.63
PCYOX1L	2.506	3.59
PCYT1A	1.583	7.87
PCYT1B	5.447	0
PCYT2	1.85	1.92
PDAP1	5.011	7.17

PDC	1.46	0.07
PDCD1	2.107	2.53
PDCD10	1.607	6.22
PDCD11	6.416	2.48
PDCD1LG2	1.509	0
PDCD2	2.753	7.84
PDCD2L	1.158	0.94
PDCD4	4.545	24.1
PDCD5	0.567	8.38
PDCD6	1.132	12.15
PDCD6IP	6.448	7.16
PDCD7	2.851	3.44
PDCL	2.743	4.04
PDCL2	0.861	0
PDCL3	1.066	3.99
PDDC1	4.363	2.7
PDE10A	4.566	0
PDE11A	4.444	0
PDE1A	2.855	0.73
PDE1B	3.704	5.88
PDE1C	5.388	0
PDE2A	4.23	11.58
PDE3A	4.124	0
PDE3B	4.774	3.81
PDE4A	4.256	1.42
PDE4B	5.326	36.02
PDE4C	3.381	0
PDE4D	5.876	2.28
PDE4DIP	12.771	0.49
PDE5A	7.769	0.15
PDE6A	2.944	0
PDE6B	3.232	0.21
PDE6C	2.968	0.04
PDE6D	1.118	2.21
PDE6G	1.221	1.7
PDE6H	0.725	0
PDE7A	4.247	4.54
PDE7B	5.387	0
PDE8A	5.021	7.8
PDE8B	3.567	1.08
PDE9A	2.636	7.39
PDF	1.158	3.5
PDGFA	4.714	0.23
PDGFB	3.462	0.03
PDGFC	3.007	0.04
PDGFD	4.18	0.1
PDGFRA	6.391	0
PDGFRB	5.714	2.79
PDGFRL	1.502	0
PDHA1	4.122	37.87

PDHA2	1.383	1.57
PDHB	1.501	11.34
PDHX	2.344	1.64
PDIA2	1.658	0.18
PDIA3	3.054	34.73
PDIA3P	2.099	23.71
PDIA4	6.283	3.91
PDIA5	1.679	4.24
PDIA6	2.552	32.14
PDIK1L	4.288	1.73
PDILT	2.127	0
PDK1	4.576	3.87
PDK2	2.29	2.51
PDK3	1.593	1.8
PDK4	7.399	18.79
PDLIM1	1.452	109.77
PDLIM1P	1.072	7.39
PDLIM2	6.143	1.93
PDLIM3	1.706	0
PDLIM4	2.259	0.04
PDLIM5	7.474	0
PDLIM7	2.074	2.1
PDP2	3.83	0.26
PDPK1	7.236	7.6
PDPK2	27.176	0.82
PDPN	3.22	0
PDPR	8.46	4.64
PDRG1	1.373	22.84
PDSS1	1.619	1.78
PDSS2	3.526	0.53
PDX1	1.523	0
PDXK	8.759	28.25
PDXP	2.005	0.84
PDYN	2.557	0
PDZD11	1.663	3.51
PDZD2	11.751	1.57
PDZD3	2.204	0
PDZD4	3.745	0.35
PDZD7	2.021	0.29
PDZD8	3.837	3.53
PDZK1	2.107	0
PDZK1IP1	0.894	0.67
PDZRN3	4.161	0.07
PDZRN4	3.21	0
PEA15	2.469	4.28
PEAR1	5.435	38.63
PEBP1	2.306	72.34
PEBP4	0.883	0
PECAM1	3.472	34.33
PECI	1.617	2.44

PECR	1.846	0
PEF1	1.61	29.62
PEG10	13.232	11.87
PEG3	6.371	0
PELI1	9.362	46
PELI2	5.696	2.59
PELI3	2.68	0.04
PELO	2.92	0.75
PELP1	3.393	9.13
PEMT	1.318	6.16
PENK	1.196	0
PEO1	3.602	1.38
PEPD	1.889	8.85
PEPP-2	1.297	0
PER1	8.699	160.74
PER2	6.235	2.11
PER3	6.203	0
PER4	3.096	0
PERF15	0.399	0
PERLD1	2.687	10.57
PERP	1.945	0
PERQ1	13.386	27.38
PES1	2.262	13.6
PET112L	2.011	1.67
PEX1	8.764	1.76
PEX10	2.25	5.32
PEX11A	1.163	0
PEX11B	1.61	14.99
PEX11G	1.062	0.09
PEX12	2.6	0.53
PEX13	1.724	2.76
PEX14	1.908	4.15
PEX16	1.844	12.07
PEX19	3.656	3.73
PEX26	3.075	7.05
PEX3	1.967	0.51
PEX5	3.169	3.12
PEX5L	3.577	0
PEX6	3.27	6.81
PEX7	1.448	0.54
PF4	0.438	0
PF4V1	0.741	0
PFAAP5	3.168	13.74
PFAS	5.338	3.54
PFDN1	1.324	21.67
PFDN2	0.642	21.88
PFDN4	1.346	2.64
PFDN5	0.975	207.01
PFDN6	1.782	0
PFKFB1	1.732	0

PFKFB2	9.143	6.61
PFKFB3	4.482	13.38
PFKFB4	3.49	0.74
PFKL	9.457	50.71
PFKM	2.747	4.32
PFKP	2.616	12.11
PFN1	0.915	225.98
PFN2	3.467	0.09
PFN3	0.414	0
PFN4	0.778	0.12
PFTK1	9.908	2.11
pFUSIP1	0.522	0.38
PGA3	1.937	0
PGA4	2.07	0
PGA5	1.36	0
PGAM1	1.72	2.76
PGAM2	2.282	6.24
PGAM3P	0.427	0
PGAM4	1.678	0.18
PGAM5	1.151	2.92
PGAP1	11.113	1.08
PGBD1	3.065	2.49
PGBD2	3.858	0.08
PGBD3	2.172	0.37
PGBD3P1	1.797	0
PGBD3P2	0.614	0.16
PGBD3P3	1.158	0
PGBD3P4	1.844	0
PGBD4	3.907	0.59
PGBD5	3.444	0
PGC	1.354	0
PGCP	1.898	6.2
PGD	1.937	23.09
PGDS	1.615	0
PGF	1.731	0.45
PGGT1B	1.658	1.67
PGK1	2.32	37.01
PGK1P1	1.77	4.86
PGK1P2	1.527	3.44
PGK2	1.644	0.06
PGLS	1.034	34.06
PGLYRP1	0.69	3.3
PGLYRP2	2.751	0
PGLYRP3	1.173	0
PGLYRP4	1.834	0
PGM1	2.472	1.6
PGM2	3.177	4.2
PGM2L1	8.501	1.1
PGM3	1.994	1
PGM5	3.338	1.13

PGM5P1	87.489	0.07
PGM5P2	69.591	0.08
PGPEP1	7.084	0.37
PGR	5	0
PGRMC1	1.864	4.41
PGRMC2	1.853	5.08
PGS1	4.863	17.36
PH-4	4.03	4.29
PHACS	2.682	17.23
PHACTR1	8.237	21.05
PHACTR2	4.318	0.07
PHACTR3	3.119	0
PHACTR4	4.233	9.23
PHB	1.826	29.64
PHB2	1.416	104.32
PHBP1	1.024	0
PHC1	5.179	4.6
PHC2	4.375	30.69
PHC3	3.964	14.15
PHCA	3.452	0.72
PHEX	2.861	0.2
PHF1	3.106	16.92
PHF10	4.376	29.66
PHF10P1	1.668	4.56
PHF11	2.827	21.73
PHF12	5.912	20.58
PHF13	3.644	0.84
PHF14	9.16	1
PHF15	6.463	7.41
PHF16	5.141	6.29
PHF17	5.107	7.29
PHF19	4.658	3.76
PHF2	5.397	10.23
PHF20	5.515	6.44
PHF20L1	8.056	3.38
PHF21A	3.863	11.22
PHF21B	3.671	0
PHF23	1.971	4.32
PHF3	6.947	27.59
PHF5A	1.065	19.05
PHF5CP	1.274	0.31
PHF5DP	0.94	1.26
PHF5EP	0.93	0.85
PHF5FP	3.283	0.03
PHF5GP	0.892	0.33
PHF5HP	1.323	0.07
PHF6	8.341	1.13
PHF7	2.276	3.22
PHF8	5.762	7.47
PHGDH	1.913	0.68

PHGDHL1	2.525	7.32
PHIP	6.655	9.19
PHKA1	4.205	0.07
PHKA2	4.565	5.68
PHKB	5.153	9.83
PHKBP1	0.7	0
PHKBP2	0.527	0
PHKG1	2.862	0.49
PHKG1P1	3.868	0
PHKG1P2	3.314	0
PHKG2	1.578	5.08
PHKGL	2.006	0.1
PHLDA1	5.913	0.25
PHLDA2	0.92	0.11
PHLDA3	1.516	0.13
PHLDB1	5.695	0.62
PHLDB2	5.474	0.09
PHLDB3	2.286	0.09
PHLPP	4.798	10.93
PHLPPL	7.919	1.84
PHOSPHO1	2.046	1.35
PHOSPHO2	1.125	0.09
PHOX2A	1.683	0.06
PHOX2B	3.029	0
PHPT1	0.906	8.51
PHTF1	2.81	10.52
PHTF2	9.556	3.32
PHYH	2.106	0.47
PHYHD1	1.599	0.19
PHYHIP	2.948	0
PHYHIPL	3.103	0
PI15	6.732	0
PI16	2.19	2.17
PI3	0.596	0
PI4K2B	3.674	4.84
PI4KII	4.185	2.68
PIAS1	2.999	18.41
PIAS2	3.191	9.02
PIAS3	2.858	7.89
PIAS4	1.737	1.99
PIB5PA	2.558	2.52
PICALM	4.153	32.31
PICK1	8.247	43.4
PID1	2.745	0
PIF1	2.658	0.37
PIGA	6.093	1.34
PIGAP1	3.367	0.23
PIGB	2.134	2.87
PIGC	1.708	8.81
PIGCP1	0.417	5.22

PIGF	1.398	1.14
PIGFP1	0.911	0.22
PIGG	4.073	7.39
PIGH	1.393	4.69
PIGK	1.887	0.94
PIGL	1.123	5.72
PIGM	2.066	1.39
PIGN	5.208	1.29
PIGO	4.366	1.56
PIGP	1.174	1.77
PIGQ	4.148	6.44
PIGR	4.266	0.14
PIGS	2.515	18.1
PIGT	2.228	19.09
PIGU	1.832	1.72
PIGV	2.365	3.14
PIGW	2.255	0.35
PIGX	1.862	0.8
PIGY	1.304	26.33
PIGZ	2.701	1.14
PIH1D1	1.192	25.65
PIH1D2	1.049	0.1
PIK3AP1	4.811	3.76
PIK3C2A	5.061	3.81
PIK3C2B	7.603	5.39
PIK3C2G	4.846	0
PIK3C3	3.069	3.58
PIK3CA	4.411	29.41
PIK3CB	3.213	1.14
PIK3CD	5.203	30
PIK3CG	10.758	4.42
PIK3R1	7.157	26.64
PIK3R2	3.938	0.58
PIK3R3	5.609	0.36
PIK3R4	4.987	5.06
PIK3R5	4.122	14.33
PIK4CA	6.75	7.29
PIK4CB	3.657	13.94
PILRA	3.326	0.98
PILRB	11.575	7.72
PIM1	2.645	9.62
PIM2	2.229	30.98
PIM3	2.852	58.49
PIN1	0.997	21.14
PIN1L	1.204	0.74
PIN4	1.071	2.31
PINK1	2.66	5.55
PINX1	1.545	2.12
PIP	1.152	0
PIP3-E	6.687	0.44

PIP5K1A	3.715	9.24
PIP5K1B	4.089	1.48
PIP5K1C	5.047	3.32
PIP5K2A	1.758	2.08
PIP5K2B	4.768	8.1
PIP5K2C	2.924	0.37
PIP5K3	10.547	7.39
PIP5KL1	1.104	0
PIPOX	2.412	0.04
PIR	1.468	0
PISD	2.679	13.48
PITPNA	3.616	10.56
PITPNB	2.925	8.02
PITPNC1	3.068	7.29
PITPNM1	4.189	2.2
PITPNM2	6.736	13.3
PITPNM3	3.111	0.04
PITRM1	3.623	8.66
PITX1	2.362	4.48
PITX2	3.081	0
PITX3	1.388	0.07
PIWIL1	3.406	0
PIWIL2	3.611	0.05
PIWIL3	3.504	0
PIWIL4	3.138	0.35
PJA1	6.445	0.36
PJA2	4.754	19.54
PJCG6	0.954	0
PKD1	14.188	3.13
PKD1L1	18.002	0.03
PKD1L2	8.114	0
PKD1L3	5.742	0.07
PKD1P1	24.064	0.27
PKD1P2	21.284	0.1
PKD1P3	24.232	0.58
PKD1P4	18.077	0.11
PKD1P5	27.494	0.22
PKD1P6	29.386	0.9
PKD2	5.056	9.59
PKD2L1	3.051	0
PKD2L2	2.185	0.18
PKDREJ	7.66	0
PKHD1	17.407	0.01
PKHD1L1	13.083	0
PKIA	2.184	0
PKIB	2.18	0
PKIG	1.433	4.07
PKLR	2.558	0
PKM2	3.585	55
PKMYT1	2.495	2.5

PKN1	3.136	28.36
PKN2	4.198	16
PKN3	3.377	5.92
PKNOX1	6.673	1.26
PKNOX2	3.177	0
PKP1	5.443	0
PKP2	4.379	0.07
PKP2P1	4.585	0.2
PKP3	2.809	0
PKP4	4.591	1.55
PLA1A	1.731	0.05
PLA2G10	0.997	0.29
PLA2G12A	1.659	0.47
PLA2G12B	1.092	0
PLA2G1B	0.565	0.52
PLA2G2A	0.97	0
PLA2G2D	2.63	0
PLA2G2E	0.487	0
PLA2G2F	2.716	0
PLA2G3	2.575	0
PLA2G4A	2.855	0
PLA2G4B	3.356	5.31
PLA2G4C	2.424	0.16
PLA2G4D	3.584	0
PLA2G4E	2.52	0
PLA2G4F	3.399	0
PLA2G5	1.016	0
PLA2G6	3.223	10.5
PLA2G7	1.565	0
PLA2R1	5.979	0
PLAA	3.841	3.71
PLAC1	1.126	0
PLAC1L	1.633	0
PLAC2	2.467	0
PLAC4	3.029	0
PLAC8	0.739	61.72
PLAC8L1	0.725	0.28
PLAC9	0.675	0
PLAG1	7.302	0.36
PLAGL1	6.085	0.52
PLAGL2	5.641	23.3
PLAT	4.718	0
PLAU	2.346	1.56
PLAUR	2.001	0.74
PLB1	5.063	0.23
PLCB1	10.102	1
PLCB2	4.52	12.61
PLCB3	3.705	1.52
PLCB4	7.424	0
PLCD1	2.669	3.74

PLCD3	3.424	0.72
PLCD4	3.088	0.54
PLCE1	7.593	0
PLCG1	6.8	32.14
PLCG2	4.546	8.82
PLCH1	6.065	0.05
PLCH2	4.837	0.12
PLCL1	4.559	0.04
PLCL2	3.94	5.72
PLCXD1	2.085	6.88
PLCXD2	2.063	0.1
PLCXD3	7.541	0
PLCZ1	2.075	0
PLD1	5.479	0
PLD2	3.457	2.49
PLD3	2.408	12.58
PLD4	1.934	3.48
PLD5	2.729	0.04
PLDN	3.941	10.17
PLEC1	16.296	8.52
PLEK	2.747	5.83
PLEK2	1.46	0
PLEKHA1	3.796	1.7
PLEKHA2	1.437	3.99
PLEKHA3	2.47	3.12
PLEKHA3P1	1.51	2.23
PLEKHA4	3.056	0.32
PLEKHA5	4.238	3.06
PLEKHA6	7.399	0.07
PLEKHA7	4.801	0.08
PLEKHA8	4.177	1.42
PLEKHA9	1.839	0.21
PLEKHB1	2.38	0.37
PLEKHB2	4.523	18.4
PLEKHC1	3.226	2.6
PLEKHF1	2.084	0.28
PLEKHF2	2.882	23.76
PLEKHG1	8.471	5.56
PLEKHG2	4.706	3.74
PLEKHG3	4.4	1.73
PLEKHG4	6.783	0.52
PLEKHG5	5.57	0
PLEKHG6	2.881	0.04
PLEKHH1	6.512	0.08
PLEKHH2	6.946	0.02
PLEKHH3	2.983	0.04
PLEKHJ1	1.215	10.91
PLEKHK1	6.641	0.03
PLEKHM1	5.263	11.64
PLEKHM2	4.209	36.43

PLEKHN1	2.404	0
PLEKHO1	1.615	50.79
PLEKHQ1	3.67	3.53
PLG	2.732	0
PLGLA1	1.401	0
PLGLB1	1.535	0.13
PLGLB2	1.56	0.13
PLIN	2.909	0
PLK1	2.169	1.78
PLK2	2.786	3.88
PLK3	2.358	16.28
PLK4	3.333	1.51
PLLP	1.482	0
PLN	1.684	0
PLOD1	3.004	0.76
PLOD2	4.06	2.12
PLOD3	5.954	1.41
PLP1	3.183	0
PLP2	0.929	44.41
PLRG1	1.783	9.43
PLS1	3.639	0.05
PLS3	3.089	0
PLSCR1	3.011	14.33
PLSCR2	1.265	0
PLSCR3	1.746	3.23
PLSCR4	3.207	0
PLSCR5	1.058	0
PLTP	1.745	0.62
PLUNC	1.22	0
PLVAP	2.276	23.69
PLXDC1	6.122	0.14
PLXDC2	2.594	0.38
PLXNA1	8.998	1.34
PLXNA2	6.263	0.22
PLXNA3	6.746	2.01
PLXNA4B	4	0
PLXNB1	7.097	0.24
PLXNB2	6.934	36.95
PLXNB3	6.145	0.56
PLXNC1	5.12	0.48
PLXND1	8.591	36.3
PMAIP1	3.101	44.8
PMCH	0.757	0.13
PMCHL1	1.917	0
PMF1	1.082	17.28
PMFBP1	3.395	0.06
PML	12.114	11.22
PMM1	1.203	4.36
PMM2	2.29	4.54
PMP2	3.569	0

PMP22	3.159	0
PMP22CD	1.098	0
PMPCA	2.08	16.27
PMPCB	7.838	8.89
PMS1	3.696	4.44
PMS2	5.61	1.22
PMS2CL	36.07	0.37
PMS2L1	3.41	1.08
PMS2L2	2.164	0
PMS2L3	3.296	1.89
PMS2L5	1.496	0.07
PMVK	1.28	5.1
PNCK	1.525	0.06
PNKD	5.362	1.44
PNKP	1.716	10.43
PNLDC1	1.92	0.26
PNLIP	1.498	0
PNLIPRP1	1.48	0
PNLIPRP2	1.455	0
PNLIPRP3	2.353	0
PNMA1	2.643	1.83
PNMA2	4.788	0
PNMA3	3.517	0.48
PNMA5	3.194	0
PNMA6A	2.209	0
PNMT	1.157	7.79
PNN	2.598	159.45
PNO1	1.978	2.1
PNOC	1.196	0
PNPLA1	2.808	0
PNPLA10P	0.36	0.55
PNPLA2	3.16	29.28
PNPLA3	2.805	0
PNPLA4	2.815	0.6
PNPLA5	2.504	0
PNPLA6	4.432	6.56
PNPLA7	5.246	10.01
PNPLA8	7.064	2.94
PNPO	2.397	0.66
PNPT1	3.273	2.02
PNRC1	2.065	61.57
PNRC2	2.367	13.88
PODN	3.01	0.04
PODNL1	2.164	0.41
PODXL	11.952	0.12
PODXL2	2.151	1.75
POF1B	3.941	0.03
POFUT1	6.135	1.62
POFUT2	8.565	1.4
POGK	3.852	2.91

POGZ	7.691	25.45
POL3S	1.662	1.48
POLA1	5.437	1.09
POLA2	2.474	3
POLB	1.577	9.6
POLD1	3.443	3.05
POLD2	3.168	5.62
POLD3	3.43	1.01
POLD4	0.918	49.58
POLDIP2	2.683	11.62
POLDIP3	3.435	14.17
POLE	7.84	8.57
POLE2	1.69	0.64
POLE3	2.185	23.77
POLE4	0.696	8.39
POLG	4.434	10.49
POLG2	1.879	5.64
POLH	3.464	4.26
POLI	2.472	1.24
POLK	4.075	4.95
POLL	2.677	6.32
POLM	5.147	1.88
POLN	2.899	0
POLQ	8.756	0.34
POLR1A	5.398	1.96
POLR1B	5.969	0.5
POLR1C	1.439	5.85
POLR1D	0.693	83.81
POLR1E	1.854	4.21
POLR2A	7.051	52.69
POLR2B	3.748	37.14
POLR2C	1.804	18.26
POLR2CP	1.624	0.55
POLR2D	1.907	5.09
POLR2E	1.226	25.9
POLR2F	0.545	8.53
POLR2G	0.827	21.06
POLR2H	0.821	5.55
POLR2I	0.872	8.17
POLR2J	1.954	12.05
POLR2J2	5.362	12.99
POLR2J3	0.696	2.42
POLR2K	0.971	10.39
POLR2L	0.876	15.02
POLR3A	5.609	1.64
POLR3B	4.219	0.59
POLR3C	1.851	8.98
POLR3D	1.929	4.46
POLR3E	2.608	7.63
POLR3F	2.154	8.31

POLR3G	0.996	0.5
POLR3GL	1.165	9.17
POLR3H	8.528	4.37
POLR3K	0.796	2.49
POLRMT	3.773	3.44
POLS	4.509	14
POM121	11.994	3.33
POM121L1	12.011	0.09
POM121L2	2.978	0
POM121L4P	1.284	0
POMC	1.295	0.38
POMGNT1	2.711	4.23
POMP	1.317	21.78
POMT1	7.337	31.97
POMT2	4.866	0.77
POMZP3	3.442	4.77
PON1	4.786	0
PON2	5.319	37.61
PON3	2.382	0.29
POP1	3.244	0.19
POP2	0.294	0
POP4	1.108	5
POP5	0.833	5.11
POP7	1.668	3.68
POPDC2	1.646	0.36
POPDC3	1.858	0
POR	5.261	4.31
PORCN	2.177	1.77
POSTN	3.213	0
POT1	5.262	1.23
POTE15	2.132	0
POTE2	2.429	0
POTE8	1.976	0
POU1F1	1.262	0
POU2AF1	3.498	13.1
POU2F1	2.949	4.53
POU2F2	2.011	0.93
POU2F3	2.87	0
POU3F1	2.173	0
POU3F2	4.087	0.02
POU3F3	1.946	5.74
POU3F4	1.475	0
POU4F1	3.817	14.2
POU4F2	3.098	0
POU4F3	1.017	0.2
POU5F1	5.586	0.19
POU5F1P1	1.08	0
POU6F1	2.911	0.58
POU6F2	4.446	0
PP1P	1.269	5.38

PP8961	0.447	0
PPA1	1.302	17.78
PPA2	2.015	4.96
PPAN	1.662	10.72
PPAP2A	1.778	1.95
PPAP2B	3.795	0.03
PPAP2C	1.791	0
PPAPDC1A	1.521	0
PPAPDC1B	0.843	3.29
PPAPDC2	2.965	3.47
PPAPDC3	2.05	0
PPARA	13.437	0.42
PPARBP	6.272	5.11
PPARD	5.999	27.28
PPARG	2.607	0.04
PPARGC1A	6.317	0
PPARGC1B	3.274	0.3
PPAT	3.746	1.22
PPBP	0.701	0
PPCDC	2.219	1.07
PPCS	1.431	8.22
PPEF1	2.942	0
PPEF2	3.414	0
PPFIA1	5.576	2.29
PPFIA2	4.052	0
PPFIA3	4.721	0.17
PPFIA4	5.045	0.34
PPFIBP1	6.313	5.24
PPFIBP2	3.503	0.34
PPHLN1	4.939	5.65
PPIA	5.033	15.2
PPIAL	0.715	0.42
PPIAL4	0.66	0
PPIAP	0.759	0
PPIAP10	0.446	0
PPIAP11	0.746	0.67
PPIAP13	0.852	0.12
PPIAP14	0.818	0
PPIAP15	0.8	0
PPIAP16	0.867	0
PPIAP17	0.786	0
PPIAP2	0.495	0
PPIAP3	0.505	0.2
PPIAP4	0.714	0
PPIAP5	0.721	0
PPIAP6	0.843	0.23
PPIAP7	0.87	0
PPIAP9	3.979	0
PPIB	1.028	100.86
PPIC	1.236	0.16

PPID	1.834	4.59
PPIE	1.619	9.41
PPIF	2.201	4.99
PPIG	2.706	17.51
PPIH	0.982	11.69
PPIHP1	0.744	1.73
PPIL1	1.706	1.1
PPIL1P1	2.014	0
PPIL2	4.983	7.64
PPIL3	2.06	8.07
PPIL4	2.467	8.75
PPIL5	2.646	1.53
PPIL6	1.072	0.09
PPL	6.238	0
PPM1A	4.098	31.15
PPM1B	7.298	12.86
PPM1D	3.163	7.72
PPM1E	6.54	0.04
PPM1F	5.151	18.86
PPM1G	2.36	30.1
PPM1H	6.451	0
PPM1J	1.714	2.77
PPM1K	2.098	2.45
PPM1L	3.056	0.29
PPM1M	2.429	4.68
PPM2C	4.199	1.91
PPME1	2.453	6.66
PPOX	1.694	4.15
PPP1CA	1.635	35.94
PPP1CB	9.652	26.37
PPP1CC	2.428	21.93
PPP1R10	13.557	0.01
PPP1R11	4.821	0.04
PPP1R12A	4.97	12.56
PPP1R12B	21.195	0.4
PPP1R12BP	70.856	0
PPP1R12C	2.924	22.67
PPP1R13B	4.833	0.82
PPP1R13L	3.093	1.02
PPP1R14A	0.718	0.55
PPP1R14B	0.987	11.83
PPP1R14BP1	0.59	2.18
PPP1R14C	2.131	0.04
PPP1R14D	0.749	0
PPP1R15A	2.349	95.95
PPP1R15B	5.222	12.01
PPP1R16A	2.274	2.74
PPP1R16B	6.251	127.56
PPP1R1A	1.826	0
PPP1R1B	2.869	1.56

PPP1R1C	1.557	0
PPP1R2	3.313	9.5
PPP1R2P1	10.636	0
PPP1R2P2	1.238	0.08
PPP1R2P3	1.991	1.09
PPP1R2P9	0.87	0
PPP1R3A	13.553	0.01
PPP1R3B	3.807	3.97
PPP1R3C	2.571	0
PPP1R3D	3.466	1
PPP1R3E	6.564	1.72
PPP1R3F	2.941	0.94
PPP1R7	1.293	9.71
PPP1R8	3.672	8
PPP1R8P	1.173	0.92
PPP1R9A	19.382	0.06
PPP1R9B	4.046	11.37
PPP2CA	2.84	43.34
PPP2CB	2.205	9.56
PPP2CBP	1.442	0.34
PPP2R1A	2.323	67.25
PPP2R1B	5.873	1.72
PPP2R2A	3.389	25.69
PPP2R2B	3.558	0.03
PPP2R2C	4.186	0.24
PPP2R2D	2.18	8.94
PPP2R3A	7.205	0.11
PPP2R3B	2.786	2.77
PPP2R3C	1.834	3.08
PPP2R4	3.021	11.79
PPP2R5A	4.03	41.22
PPP2R5B	2.71	2.44
PPP2R5C	9.322	15.41
PPP2R5CP	1.415	4.33
PPP2R5D	3.449	4.76
PPP2R5E	3.366	6.85
PPP3CA	4.401	5.62
PPP3CB	3.068	3.84
PPP3CC	4.542	36.77
PPP3R1	3.011	32.07
PPP3R2	3.387	0
PPP4C	1.969	37.44
PPP4R1	3.834	14.81
PPP4R1L	2.325	6.43
PPP4R2	1.575	8.98
PPP5C	2.062	5.81
PPP6C	1.797	38.04
PPRC1	5.338	1.59
PPT1	2.33	9.98
PPT2	7.518	0

PPTC7	4.084	11.78
PPWD1	2.094	20.6
PPY	0.457	0
PPY2	1.503	0
PPYR1	1.956	0
PQBP1	2.108	24.26
PQLC1	3.113	72.85
PQLC2	2.659	0.67
PQLC3	1.788	2.27
PQWD	1.705	0.23
PRAC	0.384	0
PRAF2	1.263	10.89
PRAM1	2.163	1
PRAME	3.143	0.22
PRAMEF1	1.606	0
PRAMEF10	1.518	0
PRAMEF12	1.909	0
PRAMEF13	5.243	0
PRAMEF15	1.863	0
PRAMEF16	1.461	0
PRAMEF19	2.127	0
PRAMEF2	1.642	0
PRAMEF20	1.506	0
PRAMEF21	4.981	0
PRAMEF3	2.104	0
PRAMEF4	1.828	0
PRAMEF5	1.855	0
PRAMEF6	1.431	0
PRAMEF7	1.425	0
PRAMEF8	1.844	0
PRAMEF9	1.874	0
PRAP1	0.71	0
PRB1	1.894	0
PRB2	1.26	0
PRB3	1.218	0
PRB4	0.915	0
PRC1	4.893	10.94
PRCC	2.337	17.48
PRCP	2.628	2.41
PRDM1	5.319	11.29
PRDM10	6.902	1.85
PRDM11	2.229	0.09
PRDM12	2.492	0
PRDM13	3.234	0
PRDM14	2.209	0
PRDM15	7.827	1.38
PRDM16	8.796	0
PRDM2	11.971	36.21
PRDM4	4.187	4.19
PRDM5	2.48	0

PRDM6	2.674	0
PRDM7	2.442	0
PRDM8	3.405	16.01
PRDM9	2.903	0
PRDX1	1.646	33.6
PRDX2	1.465	8.03
PRDX2P1	0.913	0.87
PRDX3	1.812	4.04
PRDX4	0.921	6.76
PRDX5	0.884	29.1
PRDX6	1.67	59.95
PREB	2.165	2.47
PREI3	2.844	5.99
PRELID1	1.191	9.97
PRELID2	2.561	0.35
PRELP	5.994	0.02
PREP	2.849	4.76
PREPL	6.273	0.36
PREX1	7.695	39.33
PRF1	2.491	6.95
PRG2	2.357	0.08
PRG3	0.868	0
PRG4	0.1	5.94
PRH1	0.651	0
PRH2	3.28	0
PRIC285	10.91	2.52
PRICKLE1	3.293	0.03
PRICKLE2	8.301	0
PRIM1	1.462	0.74
PRIM2A	2.291	0.95
PRIMA1	3.65	0
PRKAA1	5.398	7.75
PRKAA2	2.435	0
PRKAB1	2.401	11.62
PRKAB2	5.423	5.43
PRKACA	2.727	7.29
PRKACB	5.609	2.08
PRKACG	1.558	0.26
PRKAG1	3.265	14.7
PRKAG2	4.124	1.99
PRKAG3	2.299	0
PRKAR1A	5.895	24.22
PRKAR1B	3.857	0.51
PRKAR2A	2.381	2.95
PRKAR2B	7.322	0.59
PRKCA	8.77	3.31
PRKCB1	6.359	29.56
PRKCD	2.835	4.68
PRKCDBP	1.037	0
PRKCE	5.52	6.15

PRKCG	3.128	0.16
PRKCH	4.492	25.11
PRKCI	4.874	0.73
PRKCO	3.26	0.85
PRKCSH	2.509	74.65
PRKCZ	2.921	0.17
PRKD1	3.68	0
PRKD2	3.246	31.15
PRKD3	5.903	13.47
PRKDC	13.508	4.64
PRKG1	3.737	0
PRKG2	3.328	0.15
PRKRA	1.724	5.63
PRKRIP1	4.346	14.25
PRKRIR	3.19	10.14
PRKX	7.549	47.76
PRKXP1	6.573	0.93
PRKY	7.216	6.12
PRL	1.354	0
PRLH	0.264	0
PRLHR	1.113	0
PRLR	3.145	0
PRM1	0.394	0
PRM2	0.683	0
PRM3	0.474	0
PRMT1	1.517	21.06
PRMT2	2.596	9.87
PRMT3	2.6	1.79
PRMT5	2.671	2.41
PRMT6	2.506	3.48
PRMT7	2.39	4.14
PRMT8	2.59	1.11
PRND	3.98	0
PRNP	2.554	11.51
PRNPIP	1.743	11.07
PRNT	2.333	0
PRO0132	2.136	0
PRO0611	0.57	1.04
PRO0628	1.175	0.17
PRO1853	3.392	2.16
PRO2266	0.914	24.35
PROC	1.755	0
PROCA1	1.247	3.73
PROCR	1.452	1.36
PRODH	2.4	0.25
PRODH2	1.677	0
PROK1	1.372	0
PROK2	1.404	0.07
PROKR1	1.182	0
PROKR2	1.257	10.39

PROL1	0.946	0
PROM1	3.794	1.15
PROM2	3.822	0.03
PROP1	1.464	0
PROS1	3.275	0.06
ProSAPiP1	5.247	4.22
PROSC	2.995	1.75
PROSP	33.856	0.01
PROX1	3.075	0
PROX2	1.779	0.05
PROZ	1.485	0.06
PRPF18	1.705	4.7
PRPF19	2.153	31.85
PRPF3	2.34	15.81
PRPF31	2.128	15.25
PRPF38A	3.342	10.34
PRPF38B	3.369	34.16
PRPF39	3.179	7.28
PRPF4	2.735	7.88
PRPF40A	8.28	13.7
PRPF40B	3.801	0.81
PRPF4B	7.94	14.62
PRPF6	3.101	24.37
PRPF8	7.578	41.76
PRPH	1.833	0
PRPH2	2.971	0
PRPS1	2.051	16.3
PRPS1L1	2.178	0.55
PRPS2	2.702	0.92
PRPSAP1	1.728	3.84
PRPSAP2	1.89	1.99
PRR10	1.768	0
PRR11	1.317	2.4
PRR12	7.396	2.49
PRR13	1.554	22.35
PRR14	2.118	12.75
PRR15	3.355	0.59
PRR16	1.764	0
PRR17	1.466	0.27
PRR3	6.762	0
PRR4	0.507	0.78
PRR5	2.574	0.84
PRR6	1.164	1.19
PRR7	1.478	1.8
PRR8	8.72	8.17
PRRC1	4.644	2.32
PRRG1	4.457	0
PRRG2	1.168	0.17
PRRG3	1.594	0
PRRG4	1.985	0.4

PRRT1	5.688	0
PRRT2	2.372	2.25
PRRT3	3.368	1.12
PRRX1	7.424	0
PRRX2	1.311	0
PRSS1	1.6	0
PRSS12	3.349	0
PRSS16	2.71	0
PRSS2	1.604	0
PRSS21	1.565	10.75
PRSS22	1.386	0
PRSS23	3.734	0.43
PRSS27	1.462	0.27
PRSS29P	3.002	0
PRSS3	0.807	0
PRSS33	1.598	0
PRSS35	2.426	0
PRSS36	2.809	0.46
PRSS7	3.687	0
PRSS8	1.938	0
PRSSL1	1.089	8.27
PRTFDC1	1.926	0.05
PRTG	4.115	0
PRTN3	1.001	5.93
PRUNE	2.977	2.43
PRUNE2	1.257	0
PRX	9.902	39.17
PRY	1.238	0
PRY2	1.238	0
PS3	1.646	0
PS5	0.923	0.21
PSAP	2.746	213.65
PSAT1	2.188	0.32
PSCA	1.02	0.29
PSCD1	7.488	132.95
PSCD2	1.534	13.74
PSCD3	10.086	13.92
PSCD4	3.202	23.48
PSCDBP	2.643	44.62
PSD	4.183	0.03
PSD2	4.51	0
PSD3	15.334	3.72
PSD4	5.039	3.64
PSEN1	2.764	9.45
PSEN2	2.314	0.04
PSENEEN	0.665	9.97
PSG1	2.276	0
PSG11	1.995	0
PSG2	1.523	0
PSG3	1.86	0.11

PSG4	2.032	0
PSG5	1.607	0
PSG6	1.849	0
PSG7	1.99	0
PSG8	1.281	0
PSG9	1.701	0
PSIP1	4.016	6.92
PSIP1P	1.637	1.76
psiSSX1	7.44	0
psiSSX10	1.32	0
psiSSX2	2.16	0
psiSSX3	10.44	0
psiSSX4	1.5	0
psiSSX5	6.06	0
psiSSX6	0.1	0
psiSSX7	1.459	0
psiSSX8	2.76	0
psiSSX9	6.18	0
psiTPTE22	48.35	0.69
PSKH1	3.441	4.83
PSKH2	1.158	0
PSMA1	1.799	35.8
PSMA2	2.932	13.9
PSMA3	1.257	14.17
PSMA3P	0.741	1.2
PSMA4	1.174	23.93
PSMA5	1.685	16.38
PSMA6	1.466	89.22
PSMA6P	0.979	70.33
PSMA7	1.535	23.14
PSMA7P	0.406	0
PSMA8	1.967	0
psMAGEA	5.114	0
PSMAL	1.974	0
PSMB1	0.882	100.06
PSMB10	0.979	35.47
PSMB2	0.845	35.83
PSMB3	1.597	20.57
PSMB3P	0.581	0.68
PSMB4	1.316	121.64
PSMB5	1.049	12.17
PSMB6	0.826	25.51
PSMB7	0.984	69.88
PSMB8	5.319	0.04
PSMB9	3.236	0.21
PSMC1	1.854	5.6
PSMC1P	1.558	4.07
PSMC2	3.054	11.47
PSMC3	1.545	53.02
PSMC3IP	2.248	1.45

PSMC3P	1.305	10.84
PSMC4	1.529	20.38
PSMC5	1.54	33.02
PSMC6	1.794	11.69
PSMC6P	1.536	6.12
PSMD1	3.227	7.63
PSMD10	2.555	3.29
PSMD10P	0.669	1.03
PSMD11	2.039	14.32
PSMD12	3.592	9.73
PSMD13	2.008	21.97
PSMD14	1.261	5.25
PSMD15	1.563	2.02
PSMD2	2.922	28.41
PSMD3	2.428	27.67
PSMD4	2.075	24.46
PSMD4P2	3.406	3.95
PSMD5	3.387	9.49
PSMD6	1.649	38.7
PSMD7	1.662	34.11
PSMD8	1.508	20.07
PSMD9	2.343	10.18
PSME1	1.489	66.51
PSME2	0.829	14.32
PSME2P	0.78	3.17
PSME3	3.281	12.69
PSME4	7.132	16.2
PSMF1	6.152	10.17
PSORS1C1	2.581	0
PSORS1C2	3.428	0
PSPC1	2.307	41.47
PSPH	4.236	0.88
PSPN	0.471	0.21
PSRC1	3.168	0.44
PSTPIP1	2.156	10.92
PSTPIP2	2.9	8.87
PTAFR	1.822	0.7
PTAR1	1.834	9.49
PTBP1	4.436	31.82
PTBP1P	0.652	3.03
PTBP2	3.427	15.99
PTCD1	6.158	2.73
PTCD2	2.177	0.41
PTCD3	7.066	5.82
PTCH1	6.82	0.28
PTCH2	3.624	0.3
PTCHD1	2.682	0
PTCHD2	5.655	0.07
PTCHD3	2.368	0
PTCRA	1.08	0

PTDSS1	2.504	20.82
PTDSS2	2.445	6.83
PTEN	5.903	18.39
PTENP1	1.212	13.14
PTER	3.872	0.51
PTF1A	0.987	0
PTGDR	2.942	2.72
PTGDS	0.812	2.68
PTGER1	1.421	0
PTGER2	2.383	4.57
PTGER3	10.994	0
PTGER4	3.416	1.74
PTGES	1.79	0.33
PTGES2	3.167	3.84
PTGES3	1.47	24.7
PTGFR	9.727	0
PTGFRN	6.16	0.04
PTGIR	2.086	3.18
PTGIS	5.603	0.02
PTGS1	5.269	0.76
PTGS2	4.465	0.2
PTH	0.814	0
PTHLH	3.062	0.04
PTHR1	2.128	0.09
PTHR2	2.713	0
PTK2	4.758	8.38
PTK2B	9.574	49.4
PTK6	2.519	0.31
PTK7	4.651	8.53
PTK9P	2.954	1.31
PTMA	3.376	114.94
PTMAP1	2.583	0
PTMAP2	1.514	1.96
PTMAP3	1.392	0.92
PTMAP4	1.286	1.77
PTMAP6	0.17	0
PTMAP7	1.06	35.1
PTMS	1.15	41.64
PTN	3.098	0
PTOV1	3.404	22.3
PTP4A1	5.082	10.04
PTP4A2	4.098	31.6
PTP4A3	3.834	33.21
PTP4AP1	1.082	4.94
PTP4AP2	1.395	1.35
PTPDC1	4.82	0.31
PTPLA	1.91	8.19
PTPLAD1	1.864	4.04
PTPLAD2	4.081	2.43
PTPLB	4.261	2.81

PTPN1	3.722	44.44
PTPN11	6.283	7.64
PTPN12	6.859	24.7
PTPN13	8.266	0.01
PTPN14	6.262	10.26
PTPN18	2.793	39.5
PTPN2	3.278	4.89
PTPN20A	4.849	0
PTPN20B	2.478	0
PTPN20C	106.807	0
PTPN21	4.223	0
PTPN22	3.867	0.56
PTPN23	5.222	6.1
PTPN3	4.084	0.73
PTPN4	3.943	1.46
PTPN5	3.215	0.09
PTPN6	2.633	49.6
PTPN7	3.516	3.49
PTPN9	3.938	2.86
PTPNS1L	2.487	0.71
PTPRA	3.942	9.01
PTPRB	6.329	0
PTPRC	5.887	19.71
PTPRCAP	0.907	101.33
PTPRD	6.252	0.04
PTPRE	7.946	37.64
PTPRF	7.697	4.38
PTPRG	5.771	1.51
PTPRH	3.895	0
PTPRJ	5.122	2.67
PTPRK	5.983	0
PTPRM	5.053	0.18
PTPRN	3.632	0
PTPRN2	9.512	0.04
PTPRO	8.003	1.08
PTPRQ	10.103	0
PTPRR	3.887	0
PTPRS	6.501	0.04
PTPRT	12.703	0
PTPRU	5.783	0.09
PTPRV	25.302	0
PTPRZ1	16.315	0.01
PTRF	3.562	0.2
PTRH1	0.815	1.46
PTRH2	2.117	3.79
PTS	1.315	16.85
PTS-P1	0.566	0
PTTG1	0.712	4.3
PTTG1IP	7.728	33.7
PTTG2	0.576	0.35

PTTG3	0.609	1.63
PTTG4P	0.48	0.41
PTX3	1.871	0.27
PUM1	6.608	22.52
PUM2	7.012	18.12
PUNC	3.103	0
PURA	2.614	1.56
PURB	18.142	3
PURG	4.651	0.02
PUS1	2.563	5.56
PUS3	1.833	2.76
PUS7	7.908	3.08
PUS7L	3.943	0.36
PUSL1	1.24	1.44
PVALB	0.572	0
PVR	3.197	0.03
PVRIG	3.138	6.62
PVRL1	6.114	0.1
PVRL2	5.105	37.67
PVRL3	1.65	0
PVRL4	2.744	0
PVT1	2.087	1.52
PWCR1	1.236	0.96
PWP1	1.853	14.47
PWP2	3.26	2.55
PWWP2	2.615	1.09
PXDNL	2.258	0.13
PXK	5.62	17.48
PXMP2	0.957	4.76
PXMP3	1.63	5.22
PXMP4	2.987	0.33
PXN	3.611	17.34
PXT1	1.405	0
PYCARD	1.021	12.69
PYCR1	2.702	1.98
PYCR2	1.933	23.08
PYCRL	2.332	0.55
PYDC1	0.531	0.19
PYGB	4.131	3.64
PYGL	2.83	1.3
PYGM	3.447	0.6
PYGO1	1.26	0
PYGO2	3.18	6.51
PYHIN1	2.435	0.16
PYY	1.053	0
PYY2	2.077	0.1
PZP	4.61	0.02
QARS	2.43	89.37
QDPR	1.502	3.49
QKI	21.136	3.18

QPCT	1.703	0.99
QPCTL	1.533	1.55
QPRT	1.555	3.18
QRICH1	4.121	35.75
QRICH2	5.359	1.48
QRSL1	3.224	15.71
QSCN6	4.356	4.38
QSCN6L1	6.775	27.53
QSER1	5.052	2.18
QTRT1	1.312	19.23
QTRTD1	3.996	5.43
R3HCC1	1.625	8.4
R3HDM1	4.647	3.11
R3HDM2	3.776	13.08
R3HDML	1.377	0
RAB10	3.495	6.31
RAB11A	2.393	19.55
RAB11B	1.981	35.96
RAB11FIP1	12.068	2.7
RAB11FIP2	6.059	3.51
RAB11FIP3	4.252	4.7
RAB11FIP4	8.625	2.6
RAB11FIP5	4.34	30.02
RAB12	10.021	14.22
RAB13	1.154	83.93
RAB14	4.089	33.05
RAB15	3.312	23.63
RAB17	2.616	12.48
RAB18	3.105	15.01
RAB19B	1.59	0.12
RAB1A	4.011	39.22
RAB1B	1.906	26.27
RAB1C	0.606	11.27
RAB20	1.509	1.24
RAB21	2.627	15.03
RAB22A	8.651	2.2
RAB23	3.153	0
RAB24	3.322	10.36
RAB25	1.022	0
RAB26	1.624	0.12
RAB27A	3.294	4.48
RAB27B	1.336	0.15
RAB28	1.847	2.68
RAB2A	1.148	32.23
RAB2B	2.308	12.95
RAB30	1.602	8.27
RAB31	3.952	1.13
RAB32	1.206	0.58
RAB33A	1.108	0.18
RAB33B	3.869	2.2

RAB34	1.959	28.74
RAB35	3.176	22.43
RAB36	3.822	0.08
RAB37	4.214	4.53
RAB38	1.408	0
RAB39	1.782	0
RAB39B	3.483	0.26
RAB3A	1.466	0.2
RAB3B	1.552	1.65
RAB3C	1.009	0
RAB3D	1.879	1
RAB3GAP1	4.179	8.52
RAB3GAP2	5.121	5.76
RAB3IL1	2.284	0
RAB3IP	18.29	0.02
RAB40A	1.346	0
RAB40B	1.668	1.24
RAB40C	2.612	2.38
RAB41	1.028	0
RAB42	1.093	0
RAB43	4.447	29.88
RAB43P	1.187	9.42
RAB4A	1.843	7.14
RAB4B	1.351	19.26
RAB5A	3.096	17.68
RAB5B	3.722	21.21
RAB5C	1.772	91.51
RAB6A	3.514	6.05
RAB6B	5.222	0.05
RAB6IP1	5.592	24.52
RAB7A	2.232	60.47
RAB7L1	2.444	2.63
RAB8A	2.177	15.64
RAB8B	4.877	2.64
RAB9A	1.081	11.26
RAB9B	1.049	0.19
RAB9P1	0.625	0
RABAC1	0.751	40.05
RABEP1	6.024	15.7
RABEP2	2.28	12.89
RABEPK	1.437	2.96
RABGAP1	4.799	7.69
RABGAP1L	3.31	4.04
RABGEF1	7.466	2.79
RABGGTA	2.368	4.3
RABGGTB	2.858	25.03
RABIF	2.43	0.65
RABL2A	2.312	2.35
RABL2B	2.338	3.56
RABL3	3.337	3.08

RABL4	1.021	1.55
RABL5	5.165	2.59
RAC1	6.067	21.62
RAC1P1	0.888	0
RAC1P2	0.938	42.83
RAC1P3	1.661	0
RAC1P4	0.985	0.5
RAC1P5	0.775	0
RAC2	1.468	25.48
RAC3	1.06	1.49
RACGAP1	3.229	1.62
RACGAP1P	2.794	0.25
RAD1	5.025	0.83
RAD17	7.912	1.34
RAD17P1	5.092	0.04
RAD17P2	2.958	0.07
RAD18	3.046	1.88
RAD21	3.645	28.5
RAD23A	2.035	30.29
RAD23B	4.13	17.05
RAD50	6.658	2.21
RAD51	2.407	0.45
RAD51AP1	2.113	1.64
RAD51AP2	3.701	0
RAD51C	1.686	0.76
RAD51L1	3.717	0.24
RAD51L3	2.384	0.87
RAD52	3.179	4.2
RAD54B	3.041	0.13
RAD54L	3.096	0.9
RAD54L2	4.895	6.17
RAD9A	2.122	5.04
RAD9B	2.879	0.04
RAE1	2.527	11.75
RAET1E	0.885	0
RAET1F	0.463	0
RAET1G	0.939	0
RAET1L	0.741	0
RAF1	4.909	27.21
RAF1P1	1.734	0.12
RAG1	6.571	13.08
RAG1AP1	1.298	5.56
RAG2	2.388	3.56
RAGE	1.934	1.28
RAI1	7.662	1.97
RAI14	4.901	2.63
RAI16	3.731	13.53
RAI2	2.337	0
RALA	5.592	1.43
RALB	2.261	12.99

RALBP1	4.597	14.61
RALGDS	3.632	11.87
RALGPS1	6.336	0.33
RALGPS2	3.504	0.68
RALY	1.575	82.42
RAMP1	0.91	4.13
RAMP2	0.78	0
RAMP3	2.624	0
RAN	1.657	27.58
RANBP1	0.884	13.21
RANBP10	5.305	9.08
RANBP17	4.44	0
RANBP2	11.308	10.9
RANBP20P	2.337	6.39
RANBP3	5.173	19.64
RANBP3L	2.536	0.04
RANBP5	6.002	15.7
RANBP6	4.6	10.26
RANBP9	3.424	31.38
RANGAP1	3.021	10.41
RANGNRF	0.83	7.39
RANP1	3.15	0
RAP1A	1.906	12.77
RAP1AP	1.22	3.65
RAP1B	3.593	58.02
RAP1GAP	3.27	0.3
RAP1GDS1	2.47	4.76
RAP2A	4.351	3.39
RAP2B	6.237	2.89
RAP2C	3.933	5.51
RAPGEF1	8.206	40.08
RAPGEF2	9.329	15.47
RAPGEF3	3.312	8.21
RAPGEF4	4.261	0.26
RAPGEF5	9.932	14.01
RAPGEF6	6.37	2
RAPGEFL1	3.356	1.3
RAPH1	10.748	0.02
RAPSN	1.664	1.24
RARA	6.233	19.3
RARB	3.54	0.03
RARG	2.9	2.25
RARRES1	1.803	0.05
RARRES2	1.346	0.29
RARRES3	0.758	9.27
RARS	2.14	14.19
RARS2	1.813	9.39
RASA1	4.402	4.25
RASA2	2.804	8.33
RASA3	5.86	21.9

RASA4	11.152	0.63
RASAL1	3.124	0.06
RASAL2	7.201	12.03
RASD1	1.746	70.78
RASD2	2.973	0.04
RASEF	2.761	0
RASGEF1A	3.235	0.34
RASGEF1B	2.269	1.44
RASGEF1C	3.484	0
RASGRF1	5.34	0
RASGRF2	4.078	0.07
RASGRP1	4.948	0.7
RASGRP2	4.892	64.26
RASGRP3	4.554	1.26
RASGRP4	3.606	0.58
RASIP1	3.302	0.3
RASL10A	2.548	6.44
RASL10B	3.115	0.04
RASL11A	1.543	0.77
RASL11B	1.957	0.15
RASL12	2.578	0.5
RASSF1	5.913	15.47
RASSF2	9.698	3.84
RASSF3	3.154	28.49
RASSF4	2.495	1.79
RASSF5	8.573	10.99
RASSF6	4.552	0
RASSF7	1.53	2.39
RASSF8	2.32	0.38
RAVER1	3.097	4.69
RAVER2	5.631	15.72
RAX	1.712	0
RAXL1	2.414	0
RB1	4.74	4.05
RB1CC1	6.912	15.49
RBAK	8.458	1.8
RBBP4	2.31	28.05
RBBP5	3.683	1.53
RBBP6	7.744	11.94
RBBP7	2.237	22.16
RBBP8	4.102	1.21
RBBP9	3.861	0.15
RBCK1	3.383	9.27
RBED1	3.062	2.91
RBJ	4.853	0.36
RBKS	1.196	0.66
RBL1	4.563	0.5
RBL2	4.837	12.7
RBM10	3.756	13.56
RBM11	1.952	0.86

RBM12	7.886	16.99
RBM12B	4.708	2.02
RBM13	3.54	2.37
RBM14	3.823	20.98
RBM15	3.604	9.83
RBM15B	6.919	14.35
RBM16	5.004	32.46
RBM17	5.006	44.01
RBM18	1.066	6.68
RBM19	5.274	7.58
RBM20	7.108	0.22
RBM22	2.297	21.1
RBM23	2.413	16.85
RBM24	2.37	0
RBM25	5.397	33.78
RBM26	4.022	10.8
RBM28	5.616	1.25
RBM3	2.564	91.91
RBM33	14.325	14.65
RBM34	1.402	15.24
RBM35A	4.598	0
RBM35B	5.313	7.87
RBM38	4.714	222.91
RBM39	5.859	80.58
RBM4	1.928	62.92
RBM41	1.662	1.01
RBM43	2.72	1.31
RBM4B	2.571	7.51
RBM5	6.184	50.99
RBM6	4.361	18.06
RBM7	1.917	8.31
RBM8A	2.787	15.02
RBM8B	2.787	10.08
RBM9	2.632	0.49
RBMS1	3.37	0.53
RBMS1P	1.394	2.7
RBMS2	3.478	12.71
RBMS3	3.218	0.89
RBMX	3.186	35.37
RBMX2	1.775	8.81
RBMXL1	3.877	6.2
RBMXP1	1.884	0.47
RBMXP2	1.853	2.72
RBMY1A1	2.276	0
RBMY1A3P	6.241	0
RBMY1B	1.887	0
RBMY1D	1.881	0
RBMY1E	1.881	0
RBMY1F	1.881	0
RBMY1H	8.919	0

RBM1J	1.88	0
RBM2AP	12.125	0
RBM2BP	8.063	0
RBM2CP	12.13	0
RBM2DP	12.13	0
RBM2EP	6.949	0
RBM2GP	15.396	0
RBM2HP	6.511	0
RBM2JP	17.507	0.01
RBM2KP	14.971	0
RBM2MP	12.127	0
RBM2NP	4.623	0
RBM2OP	8.297	0
RBM2QP	13.075	0
RBM2SP	8.275	0.03
RBM2TP	7.024	0
RBM2UP	3.556	0
RBM2VP	6.531	0
RBM2WP	7.567	0
RBM2XP	7.557	0
RBM2YP	7.566	0
RBM3AP	4.75	0
RBP1	0.713	0
RBP2	0.688	0
RBP3	4.276	0
RBP4	0.929	0
RBP5	0.94	2
RBP7	0.636	0.47
RBPJ	6.232	38.18
RBPJL	2.491	0
RBPJP1	1.118	0
RBPMS	3.534	0.68
RBPMS2	1.996	0.15
RBX1	0.521	21.46
RC3H1	6.968	5.94
RC3H2	3.532	11.6
RC74	2.54	2.03
RCBTB1	5.932	40.41
RCBTB2	3.175	7.38
RCC1	2.535	21.74
RCC2	4.064	24.18
RCCD1	2.767	1.04
RCE1	1.78	7.84
RCHY1	7.968	1.45
RCL1	2.063	3.02
RCN1	2.107	18.83
RCN2	4.975	102.8
RCN3	1.854	6.51
RCOR1	2.744	7.14
RCOR2	2.931	1.89

RCOR3	4.513	13.33
RCP9	2.096	7.23
RCSD1	10.349	71.36
RCVRN	1.175	0.08
RD3	3.349	0
RDBP	4.682	0
RDH10	2.736	0.54
RDH11	2.518	4.52
RDH12	1.724	0.05
RDH13	1.991	0.4
RDH14	1.538	5.21
RDH16	2.405	0.08
RDH5	1.23	3.46
RDH8	1.714	0
RDHE2	3.039	0
RDM1	1.364	0.14
RDX	4.49	6.1
RDXP2	2.719	0.22
REC8L1	2.229	5.64
RECK	4.412	0.72
RECQL	3.122	3.67
RECQL4	3.628	1.31
RECQL5	8.009	1.78
REEP1	3.851	0.03
REEP2	2.099	0.04
REEP3	2.294	1.6
REEP4	1.852	20.89
REEP5	2.997	12.05
REEP6	1.373	0.14
REG1A	0.808	0
REG1B	0.773	0
REG3A	1.073	0
REG3G	0.953	0
REG4	1.276	0
REGL	2.925	0
REL	3.242	11.66
RELA	3.133	35.59
RELB	2.27	4.05
RELN	23.128	0
REM1	1.656	0
REM2	1.85	1.66
REN	1.461	0
RENBP	1.47	3.56
REP15	1.139	0
REPIN1	11.177	19.26
REPS1	4.478	42.31
REPS2	2.285	0
RER1	2.94	12.42
RERE	8.841	45.34
RERG	2.217	0.04

RESP18	0.669	0
REST	3.983	5.19
RET	5.687	0
RETN	0.478	6.83
RETNLB	1.246	0
RETSAT	3.001	4.74
REV1	4.84	11.65
REV3L	10.92	1.97
REXO1	5.088	17.54
REXO1L1	6.598	0
REXO1L2P	1.786	0
REXO1L3P	2.062	0
REXO1L5P	2.062	0
REXO1L6P	2.062	0
REXO1L7P	1.78	0
REXO2	1.092	7.07
REXO4	2.36	6.12
RFC1	4.883	11.16
RFC2	3.388	2.77
RFC3	2.941	1.51
RFC4	1.571	2.39
RFC5	2.791	4.89
RFESD	2.696	0.18
RFFL	4.292	2.35
RFK	2.683	0.63
RFNG	1.828	8.88
RFPL1	1.496	0
RFPL1S	5.113	0
RFPL2	1.492	0
RFPL3	1.488	0.13
RFPL3S	2.314	0.12
RFPL4A	1.035	0
RFPL4B	1.9	0
RFT1	2.782	2.31
RFTN1	3.105	38.39
RFTN2	3.112	0
RFWD2	2.839	4.67
RFWD3	4.952	8.03
RFX1	4.33	2.4
RFX2	4.002	0.62
RFX3	4.108	0.84
RFX4	4.569	0
RFX5	3.736	23.44
RFXANK	1.519	4.3
RFXAP	2.825	0.94
RFXDC1	3.496	0
RFXDC2	7.085	8.63
RG9MTD1	1.611	8.35
RG9MTD2	3.697	0.08
RG9MTD3	1.828	0.7

RGAG1	5.425	0
RGAG4	4.336	0.84
RGC32	3.592	21.65
RGL1	5.363	19.06
RGL2	8.73	0
RGL3	2.26	0
RGMA	3.216	0.15
RGMB	6.501	0.24
RGN	2.235	0.04
RGNEF	7.135	0
RGPD2	8.678	0.02
RGPD3	9.747	0.07
RGPD5	7.867	0.14
RGPD6	13.003	0.09
RGPD8	9.808	0.11
Rgr	3.91	13.03
RGS1	1.403	1.2
RGS10	0.974	36.27
RGS11	2.442	0
RGS12	7.568	6.19
RGS13	1.498	0
RGS14	2.406	2.18
RGS16	2.427	0.49
RGS17	1.472	0.34
RGS18	2.145	0
RGS19	1.692	5.08
RGS2	1.344	7.36
RGS20	2.184	0.04
RGS21	1.794	0
RGS22	4.184	0
RGS3	6.517	0.21
RGS4	2.772	0
RGS5	5.833	0.04
RGS6	3.105	0
RGS7	2.386	0
RGS7BP	3.821	0
RGS8	0.783	0
RGS9	2.235	0.13
RGS9BP	3.121	0
RGSL1	2.06	0
RGSL2	2.009	0
RH_II/GuBp2	5.515	0
RHAG	1.895	0
RHBDD1	2.423	2.41
RHBDD2	3.646	6.54
RHBDD3	1.738	3.36
RHBDF1	2.954	0.23
RHBDF2	3.726	5.76
RHBDL1	1.559	1.72
RHBDL2	1.837	0

RHBDL3	4.661	0.04
RHBG	1.79	0
RHCE	1.997	0.05
RHCG	1.937	0
RHD	2.833	0.28
RHEB	2.991	3.74
RHEBL1	1.177	0.17
RHEBP1	1.351	1.68
RH-II/GuBp1	2.71	0.69
RHO	2.768	0
RHOA	1.922	539.36
RHOB	2.367	74.36
RHOBTB1	4.671	0
RHOBTB2	5.077	1.01
RHOBTB3	4.124	0.38
RHOC	1.088	78.38
RHOD	1.097	0
RHOF	2.435	8.28
RHOG	1.286	62.24
RHOH	1.498	38.24
RHOJ	1.905	0
RHOQ	2.127	5.3
RHOQP	0.641	0.62
RHOT1	5.537	1.93
RHOT2	2.489	29.1
RHOU	4.322	0.25
RHOV	1.167	0.09
RHPN1	3.124	16.31
RHPN2	3.501	0.03
RIBC1	3.077	0.12
RIBC2	1.396	0.36
RIC3	2.893	0.04
RIC8A	2.702	16.66
RIC8B	3.389	0.44
RICS	6.48	0.04
RICTOR	9.535	11.04
RIF1	8.621	4.9
RILP	1.792	2.37
RIMBP2	6.321	0
RIMKLP	1.84	3.87
RIMS1	5.079	0
RIMS2	4.449	0
RIMS3	7.233	0.74
RIMS4	5.136	0
RIN1	2.684	2.28
RIN2	4.244	1.45
RIN3	3.849	12.62
RING1	5.214	0.04
RINT1	5.952	3.96
RIOK1	2.728	3.16

RIOK2	1.832	4.21
RIOK3	5.659	14.69
RIPK1	3.864	11.55
RIPK2	2.585	14.12
RIPK3	1.921	0.92
RIPK4	3.872	4.65
RIPK5	7.87	1.09
RIT1	3.425	14.19
RIT2	1.093	0
RKHD1	2.132	0.42
RKHD2	3.473	15.24
RKHD3	3.398	0.23
RLBP1	1.752	0
RLF	6.228	21.73
RLN1	0.967	0
RLN2	1.466	0
RLN3	0.452	0
RLTPR	4.479	7.2
RMI1	3.416	0.44
RMND1	1.854	2.13
RMND5A	4.441	14.73
RMND5B	1.808	0.66
RN7SK	0.332	3.88
RN7SL1	0.299	11.91
RN7SLP2	0.235	0.84
RN7SLP5	0.217	0
RNASE1	1.124	0
RNASE10	0.651	0
RNASE11	1.767	0
RNASE12	0.444	0
RNASE13	1.607	0
RNASE2	0.735	4.04
RNASE3	0.716	5.39
RNASE4	1.997	0
RNASE6	1.059	1.31
RNASE7	1.466	0
RNASE8	0.465	0
RNASE9	0.618	0
RNASEH1	1.648	6.9
RNASEH1P1	0.801	0.5
RNASEH1P2	0.829	0.83
RNASEH1P3	0.856	0
RNASEH2A	1.142	1.82
RNASEH2B	1.927	17.31
RNASEH2C	0.887	10.71
RNASEL	4.148	0.64
RNASEN	4.74	5.82
RNASET2	5.865	78
RND1	1.652	0.96
RND2	4.152	0.19

RND3	2.683	0
RNF10	4.287	35.49
RNF103	5.402	22.49
RNF11	3.139	15.95
RNF111	5.538	5.11
RNF113A	1.353	16.89
RNF113B	1.378	0
RNF11B	0.439	0.23
RNF12	6.821	19.74
RNF121	2.379	2.25
RNF122	3.642	45.85
RNF123	4.255	4.79
RNF125	1.916	4.49
RNF126	2.195	31.1
RNF126P1	1.318	1.72
RNF128	3.411	0
RNF13	4.631	3.12
RNF130	1.847	28.02
RNF133	2.886	0
RNF135	3.401	8.82
RNF138	3.644	8.64
RNF138P1	5.701	0.77
RNF139	4.166	18.74
RNF14	3.903	1.82
RNF141	4.084	2.57
RNF144	5.74	0.52
RNF146	2.147	4.79
RNF148	2.604	0
RNF149	3.393	18.28
RNF150	4.661	0
RNF151	0.802	0
RNF152	1.805	0.22
RNF157	3.569	3.05
RNF165	5.276	0
RNF166	2.088	18.62
RNF167	1.708	15.41
RNF168	2.316	5.21
RNF169	8.9	4.83
RNF17	5.108	0
RNF170	1.851	0.69
RNF175	1.569	0.44
RNF180	1.727	0.12
RNF182	3.304	0.09
RNF183	1.21	0
RNF185	3.166	3.35
RNF186	1.25	0
RNF187	3.81	4.49
RNF19	4.809	26.02
RNF190	3.09	0
RNF2	3.551	2.51

RNF20	3.94	4.72
RNF207	1.859	0
RNF208	0.752	0
RNF212	2.332	0
RNF213	13.023	11.27
RNF214	2.338	2.75
RNF24	1.909	5.75
RNF25	1.561	6.78
RNF26	2.786	11.33
RNF31	3.505	7.23
RNF32	3.492	0.23
RNF34	2.195	5
RNF38	5.756	11.08
RNF39	11.471	0
RNF4	2.947	23.2
RNF40	4.233	10.24
RNF41	3.846	5.89
RNF43	6.006	1.52
RNF44	4.58	42.72
RNF5	3.381	0.06
RNF5P1	1.088	1.64
RNF6	4.368	10.8
RNF7	3.01	26.53
RNF8	9.585	0.79
RNGTT	4.415	2.76
RNH1	2.218	7.85
RNMT	6.203	10.96
RNMTL1	1.801	5.55
RNPC3	0.411	1.2
RNPEP	2.413	9.51
RNPEPL1	2.913	24.45
RNPS1	2.99	34.25
RNR1	0.1	0
RNR2	0.1	0
RNU12	0.544	0.72
RNU12P	0.73	0.94
RNU1P10	0.164	3.02
RNU1P6	0.162	0.61
RNU1P7	0.154	0
RNU1P8	0.264	0
RNU1P9	0.164	0
RNU2	0.187	0
RNU2B	0.138	1.44
RNU2P2	0.189	0.52
RNU3	0.1	0
RNU3P3	0.145	0
RNU3P4	0.144	0
RNU4B1	0.144	6.87
RNU4P1	0.5	0
RNU4P2	0.679	0

RNU4P3	0.1	0
RNU4P5	0.1	0.99
RNU4P6	0.1	0.99
RNU56B	0.1	0
RNU5B	0.117	0
RNU5C	0.117	0
RNU5D	0.1	0
RNU5E	0.119	0
RNU5F	0.116	0
RNU6B	0.1	0
RNU7P4	0.1	0
RNU86	0.1	11.87
RNUXA	1.751	7.86
RNY4P2	0.1	0
RNY4P3	0.1	0
RNY5	1.616	0
ROBO1	7.647	0
ROBO2	5.598	0
ROBO3	4.569	8.85
ROBO4	3.746	13.05
ROCK1	4.513	20.26
ROCK2	6.401	2.35
ROD1	7.23	12.61
ROGDI	1.458	9.71
ROM1	1.464	1.08
ROPN1	1.104	0
ROPN1B	1.001	0
ROPN1L	1.037	0.19
ROR1	3.358	0.09
ROR2	4.091	0.21
RORA	2.558	0.81
RORB	3.604	0
RORC	3.214	0.15
ROS1	7.368	0
RP1	7.1	0
RP11-114G1.1	2.768	0.85
RP11-114H20.1	2.369	0
RP11-11C5.2	2.475	0.64
RP11-125A7.3	7.566	1.82
RP11-130N24.1	10.693	0
RP11-133N1.2	1.461	0
RP11-138L21.1	0.861	0
RP11-139H14.4	1.687	0
RP11-145H9.1	5.752	0.11
RP11-151A2.2	0.819	0.72
RP11-162I21.1	3.037	17.95
RP11-165H20.1	2.829	0
RP11-167P23.2	0.457	0
RP11-169K16.3	1.52	0
RP11-184C23.1	2.863	0

RP11-191L9.1	4.185	0
RP11-193G17.1	1.197	134.48
RP11-217H1.1	3.884	18.32
RP11-218C14.6	24.014	0
RP11-262D11.5	3.978	0.05
RP11-262H14.4	1.48	0.07
RP11-269F19.9	1.265	0.39
RP1-127L4.6	0.805	0
RP11-282A11.1	0.739	0
RP11-291L22.2	19.525	0.12
RP11-298P3.3	3.669	9.03
RP11-301I17.1	2.624	0.07
RP11-301J16.2	0.315	0
RP11-320C15.1	0.835	6.16
RP11-321G1.2	1.186	0
RP11-327P2.4	0.718	0
RP11-350O14.10	1.209	0.08
RP11-35F15.2	1.281	0
RP11-35N6.1	2.676	0
RP11-365K22.1	1.324	4.85
RP11-366N18.1	4.017	0
RP11-38L15.1	3.497	0.08
RP11-408E5.4	0.24	0
RP11-410N8.4	0.846	0
RP11-413M3.2	0.537	8.48
RP11-430N14.1	0.531	0
RP11-431O22.2	0.522	0.19
RP11-444E17.2	1.647	0.48
RP11-45J16.2	10.584	0
RP11-460E7.5	3.577	0
RP11-493K23.2	2.898	0
RP11-493K23.3	2.237	0
RP11-49G10.8	1.203	0
RP1-14N1.3	9.118	0
RP11-506K6.3	1.151	2.06
RP11-50D16.3	3.549	5.04
RP11-529I10.4	0.799	1.86
RP1-153G14.3	1.224	0
RP11-564C4.1	5.723	0.04
RP11-56A21.1	4.672	1.36
RP11-584P2.3	6.391	0
RP11-61E5.1	0.86	4.72
RP11-69O16.1	1.162	0
RP11-763B22.5	0.486	0
RP11-78J21.1	2.365	7.07
RP11-87M18.1	0.903	0
RP11-92J19.4	1.419	12.06
RP11-93B10.1	4.105	0.79
RP11-93B14.6	2.526	0
RP11-95H8.1	4.226	0

RP11-98I6.3	2.022	0
RP1-27O5.1	1.623	0
RP1-303F19.1	1.641	0.36
RP13-102H20.1	3.083	0
RP13-15M17.2	3.846	0.75
RP1-32F7.2	3.156	0.04
RP13-347D8.3	7.403	0
RP13-36C9.1	1.492	0
RP13-36C9.3	1.008	0
RP13-36C9.6	1.008	0
RP13-377G1__A.2	0.213	0
RP1-57A13.2	1.72	0.69
RP1-93H18.5	1.109	37.65
RP1L1	7.978	0.07
RP2	3.802	4.99
RP3-340N1.3	0.768	0.64
RP3-355C18.2	2.505	0
RP3-377H14.5	8.511	0.04
RP3-398D13.1	2.819	0.14
RP3-402G11.5	6.668	51.74
RP3-402H5.2	1.533	0
RP3-405J24.3	0.548	27.81
RP3-452H17.2	0.519	0
RP3-474I12.5	0.72	0
RP3-509I19.5	2.478	0.12
RP3-510O8.5	0.488	0
RP4-691N24.1	4.973	2.65
RP4-692D3.1	2.988	0
RP4-747L4.3	4.154	17.86
RP4-753D5.2	0.502	0.79
RP5-1022P6.2	5.047	22.9
RP5-1054A22.3	6.412	0
RP5-1077B9.4	2.588	8.79
RP5-1103G7.6	2.119	0
RP5-821D11.2	4.006	1.09
RP5-854E16.2	1.23	8.93
RP5-860F19.3	3.139	1
RP5-875H10.1	6.089	0
RP5-964H19.3	2.729	0
RP6-166C19.1	1.288	0
RP6-166C19.10	1.288	0
RP6-166C19.11	1.288	0
RP6-166C19.2	1.288	0
RP6-166C19.3	1.288	0
RP6-166C19.4	1.288	0
RP6-166C19.5	1.288	0
RP6-166C19.6	1.288	0
RP6-166C19.9	1.288	0
RP6-213H19.1	3.254	8.97
RP9	2.242	6.31

RPA1	2.795	4
RPA2	1.72	5.81
RPA2P	1.427	0
RPA3	3.188	0.9
RPA4	1.56	0
RPAIN	4.757	34.55
RPAP1	4.672	3.28
RPE	4.253	0.86
RPE65	2.608	0
RPESP	1.322	0
RPGR	6.571	1.87
RPGRIP1	3.861	0.05
RPH3A	2.951	0.1
RPH3AL	2.584	0.46
RPIA	1.834	3.88
RPIB9	4.486	0.4
RPIP8	1.821	0.11
RPL10	2.507	177.67
RPL10A	0.719	707.7
RPL10AP1	0.679	1.02
RPL10AP2	0.716	88.85
RPL10L	0.813	0.36
RPL10P1	0.742	2.67
RPL11	0.609	2507.7
RPL12	0.631	516.48
RPL12L2	0.612	0.65
RPL12L3	0.625	0.95
RPL12P10	2.91	0.04
RPL12P3	0.396	0
RPL12P4	0.497	46.58
RPL12P5	0.392	0
RPL12P6	0.564	0.18
RPL12P7	0.545	0.36
RPL13	1.322	1088.38
RPL13A	1.127	1008.07
RPL13AP2	0.573	7.6
RPL13P2	0.659	35.58
RPL14	0.971	500.6
RPL14L	1.704	148.41
RPL15	2.205	413.07
RPL15P1	0.6	1.32
RPL15P2	2.06	0.19
RPL17	0.944	106.48
RPL17P1	0.536	0.19
RPL17P3	0.684	0
RPL17P4	0.586	0.34
RPL18	0.641	1534.53
RPL18A	0.618	902.61
RPL18AP1	0.61	7.3
RPL18P1	0.571	0

RPL19	2.27	174.43
RPL19P1	0.428	0
RPL21	1.4	2.61
RPL21P1	0.954	0.62
RPL21P10	0.885	0.44
RPL21P11	0.56	0.88
RPL21P12	0.9	0.22
RPL21P13	0.49	0.41
RPL21P2	0.491	0.2
RPL21P4	0.492	0.8
RPL21P8	0.594	0
RPL21P9	0.713	0
RPL22	2.085	190.94
RPL22L1	2.054	6.5
RPL22P2	0.46	1.72
RPL23	0.577	1191.19
RPL23A	0.97	119.24
RPL23AP1	1.413	0
RPL23AP10	0.513	0
RPL23AP11	0.489	1.01
RPL23AP13	2.304	0.43
RPL23AP3	0.533	0
RPL23AP4	0.473	0
RPL23AP6	0.472	0.21
RPL23AP7	16.573	0.03
RPL23AP9	0.494	0.2
RPL23P2	0.477	10.99
RPL24	0.562	419.87
RPL24P1	0.481	0.82
RPL24P3	0.491	0.2
RPL24P4	0.433	375.41
RPL26	0.582	673.35
RPL26L1	0.71	7.94
RPL26P2	0.491	0.4
RPL26P3	0.488	0.2
RPL26P4	0.726	1.91
RPL27	0.495	1391.51
RPL27A	0.545	1477.34
RPL27AP	0.833	1.66
RPL27P1	0.465	187.66
RPL28	4.209	264.23
RPL29	0.695	448.85
RPL29P1	0.463	0.21
RPL29P2	0.657	0
RPL3	1.514	992.12
RPL30	0.505	2340.59
RPL31	0.442	1388.93
RPL31P1	0.405	1.22
RPL31P10	0.408	4.85
RPL31P2	0.379	1.04

RPL31P3	0.852	0
RPL31P8	0.374	0
RPL32	1.968	211
RPL32L2	0.373	0.27
RPL32P1	1.539	1.09
RPL34	1.023	214.32
RPL34P1	0.354	1.39
RPL34P2	0.353	1.4
RPL34P3	0.38	0
RPL35	0.46	913.87
RPL35A	0.484	1099.34
RPL35AP	0.797	0
RPL35AP2	0.258	5.37
RPL36	0.606	849.94
RPL36A	0.679	9.32
RPL36AL	0.523	108.39
RPL36AP2	0.767	0
RPL36AP3	0.37	70.6
RPL36AP4	0.264	0
RPL36P1	0.228	0
RPL36P2	0.319	0.31
RPL37	1.57	591.6
RPL37A	0.42	2323.84
RPL37AP1	0.279	659.22
RPL37P1	0.284	5.92
RPL37P2	0.366	198.14
RPL38	0.447	1395.74
RPL38P1	0.24	0
RPL39	0.401	231.18
RPL39L	0.703	0.71
RPL39P	0.156	0
RPL39P2	0.365	0
RPL39P3	0.385	872.45
RPL3L	1.529	0
RPL3P1	1.265	1.25
RPL3P2	2.479	0
RPL3P4	0.478	537.33
RPL4	1.432	624.44
RPL41	1.019	28.55
RPL41P1	0.413	622.37
RPL41P2	0.407	3.16
RPL41P3	1.177	1.51
RPL41P4	0.429	1.85
RPL5	1.031	891.2
RPL5P2	0.854	0
RPL6	1.183	203.56
RPL7	0.837	7.69
RPL7A	1.157	336.75
RPL7AL2	0.308	0.32
RPL7AL3	0.285	0

RPL7AL4	0.776	0.64
RPL7AP1	0.802	2.72
RPL7AP5	0.881	0.45
RPL7AP6	0.881	70.19
RPL7AP7	0.89	0.11
RPL7AP8	0.865	0.12
RPL7L1	1.275	3.34
RPL7P	0.834	44.96
RPL7P2	0.268	0
RPL7P3	0.715	0
RPL7P6	1.386	0.71
RPL8	0.975	1578.02
RPL9	0.898	15.65
RPL9P6	0.714	0
RPL9P7	0.703	0.28
RPL9P8	0.704	12.93
RPLP0	1.312	1038.76
RPLP0-like	1.179	521.87
RPLP0P1	0.456	0
RPLP0P2	27.939	0.76
RPLP1	0.512	3552.27
RPLP1P1	0.968	7.36
RPLP2	0.493	2229.8
RPN1	2.341	27.55
RPN2	2.49	13.75
RPP14	1.872	7.35
RPP21	1.566	0
RPP25	2.333	0
RPP30	2.612	3.82
RPP38	1.545	4.48
RPP40	1.159	0.34
RPPH1	0.341	9.87
RPRM	1.471	0
RPRML	1.093	0
RPS10	0.618	255.03
RPS10L	0.611	0.97
RPS10P2	0.494	1.8
RPS10P3	0.577	2.57
RPS11	0.609	2971.85
RPS11P1	0.473	0
RPS12	0.503	1322.38
RPS12P1	0.307	0
RPS13	0.529	1180.88
RPS14	1.105	746.46
RPS15	0.531	765.97
RPS15A	0.568	1033.27
RPS15AP1	0.296	32.76
RPS15AP2	0.362	0
RPS15AP3	0.414	0
RPS16	0.59	2232.12

RPS17	0.485	1345.55
RPS17P2	0.493	7.43
RPS18	1.626	0.73
RPS18P1	0.458	0
RPS18P2	0.538	377.36
RPS19	0.849	1151.82
RPS19BP1	0.927	16.11
RPS19P1	0.468	346.91
RPS19P2	0.441	239.6
RPS2	1.118	478.75
RPS20	0.523	1278.99
RPS20P1	0.459	0.21
RPS20P3	0.5	1.58
RPS20P4	0.46	0.43
RPS21	0.396	976.88
RPS23	3.314	353.95
RPS23P1	0.505	47.02
RPS24	0.702	1541.98
RPS24P1	7.38	0
RPS24P2	0.522	103.68
RPS24P3	0.557	4.8
RPS25	0.492	1480.63
RPS26	1.281	7.64
RPS26e	0.892	0.33
RPS26L	4.714	0.04
RPS26L1	0.566	0
RPS26P10	0.908	0.11
RPS26P3	0.451	0.22
RPS26P4	0.44	0
RPS26P6	0.348	0
RPS27	0.356	35.57
RPS27A	0.541	416.97
RPS27AP1	0.547	0.18
RPS27AP2	0.465	0.64
RPS27AP4	0.507	0
RPS27L	1.084	3.83
RPS27P3	0.255	584.7
RPS28	0.583	10.35
RPS29	0.829	483.95
RPS29P1	0.204	0
RPS2L1	0.966	1.12
RPS2P2	0.928	0.85
RPS2P3	0.87	1.6
RPS2P4	0.942	1.89
RPS2P6	0.98	0.91
RPS3	0.841	2731.19
RPS3A	1.772	6.98
RPS3AP1	0.365	0
RPS3AP3	0.242	0.41
RPS3AP6	0.859	0.35

RPS3P1	0.192	0
RPS3P2	0.71	0
RPS4L	0.394	4.27
RPS4L2	0.612	31.85
RPS4X	0.956	1265.79
RPS4Y1	0.897	243.76
RPS4Y2	0.79	206.39
RPS5	0.741	1074.96
RPS5L	0.688	0.14
RPS5P1	0.623	292.84
RPS6	0.829	2056.44
RPS6KA1	3.383	8.57
RPS6KA2	6.053	15.9
RPS6KA3	7.71	3.9
RPS6KA4	3.253	2.83
RPS6KA5	4.493	0.37
RPS6KA6	2.616	0
RPS6KB1	5.319	16.35
RPS6KB2	2.322	11.89
RPS6KC1	4.182	0.57
RPS6KL1	3.017	1.71
RPS6P1	0.786	1.89
RPS7	0.955	114.89
RPS7P1	0.585	189.59
RPS8	0.705	1481.25
RPS9	1.011	905.8
RPS9P1	0.684	7.67
RPS9P2	0.723	239.61
RPSA	1.153	204.66
RPSAP1	0.88	0.22
RPSAP10	0.881	0.56
RPSAP14	0.379	1.56
RPSAP15	1.041	0.47
RPSAP3	1.032	0.68
RPSAP4	1.03	0.57
RPSAP5	1.026	0.2
RPTN	2.529	0
RPUSD1	2.05	4.2
RPUSD2	1.839	2.69
RPUSD3	1.201	1.16
RPUSD4	2.146	11.07
ROCD1	2.721	29.27
RRAD	1.441	0.28
RRAGA	1.652	13.84
RRAGB	2.138	3.56
RRAGC	1.867	13.15
RRAGD	1.45	3.69
RRAS	0.983	4.53
RRAS2	1.499	5.87
RRBP1	5.612	24.7

RREB1	8.352	15.05
RRH	1.558	0
RRM1	3.104	7.3
RRM2	2.473	3
RRM2B	4.93	3.29
RRM2P3	1.163	1.62
RRM2P4	0.566	0
RRN3	3.746	10.75
RRP12	4.364	3.7
RRP15	1.34	0.96
RRP9	1.543	2.12
RRS1	1.706	2.84
RS1	3.032	0
RSAD1	2.499	2.34
RSAD2	3.512	0.14
RSBN1	6.593	7.59
RSBN1L	6.182	3.09
RSC1A1	5.424	22.38
RSF1	5.134	8.58
RSHL1	2.456	0.04
RSHL2	2.177	0.73
RSHL3	2.825	0.14
RSL1D1	1.932	44.19
RSPO1	2.985	11.6
RSPO2	2.801	0
RSPO3	2.141	0
RSPO4	2.707	0
RSPRY1	2.072	9.07
RSRC1	1.634	2.36
RSRC2	4.097	39.39
RSU1	3.806	1.84
RTBDN	1.328	0
RTCD1	1.537	9.79
RTDR1	1.252	0
RTL1	5.256	4.48
RTF1	5.003	13.58
RTKN	3.049	0.65
RTL1	4.077	0
RTN1	4.461	0
RTN2	3.37	0.38
RTN3	8.397	3.75
RTN4	9.911	17.14
RTN4IP1	1.667	0.53
RTN4R	1.919	0.11
RTN4RL1	3.164	0.1
RTN4RL2	1.263	0.16
RTP1	2.183	0
RTP2	1.346	0
RTP3	0.817	0
RTP4	1.014	1.47

RTTN	7.098	1.8
RUFY1	3.213	4.52
RUFY2	2.701	4.98
RUFY3	5.919	2.15
RUFY4	3.567	0
RUNDC1	3.828	4.5
RUNDC2A	2.248	2.9
RUNDC2B	1.22	0.16
RUNDC2C	39.987	0.07
RUNX1	8.379	7.09
RUNX1T1	4.301	0
RUNX2	6.334	0.47
RUNX3	5.475	15.45
RUSC1	2.163	2.56
RUSC2	5.199	1.16
RUTBC1	4.867	16.2
RUTBC2	6.057	0.02
RUTBC3	3.403	19.05
RUVBL1	1.736	2.17
RUVBL2	1.488	9.11
RWDD1	1.691	15.27
RWDD2	1.279	0.46
RWDD3	1.078	4.41
RWDD4A	2.566	0.84
RXFP1	2.412	0
RXFP2	2.803	0
RXFP3	1.854	0
RXFP4	1.125	0.27
RXRA	5.428	1
RXRB	8.626	0.01
RXRG	2.116	0
RY1	1.404	6.76
RYBP	2.914	18.1
RYK	3.067	6.36
RYR1	15.359	0
RYR2	15.73	0
RYR3	15.559	0.1
S100A1	0.594	32.48
S100A10	0.639	32.36
S100A11	0.594	8.99
S100A12	0.466	23.78
S100A13	1.519	54.58
S100A14	1.043	0
S100A16	1.068	363.41
S100A2	0.963	0.72
S100A3	0.738	0.27
S100A4	0.562	76.58
S100A5	0.71	0
S100A6	0.683	98.65
S100A7	0.438	0

S100A7A	4.279	0
S100A7L2	0.306	0
S100A8	0.408	205.15
S100A9	0.575	226.61
S100B	1.096	0
S100G	0.453	0
S100P	0.51	7.76
S100PBP	4.612	5.77
S100Z	1.017	1.36
SAA1	0.779	0
SAA2	0.527	0
SAA3P	4.086	0
SAA4	0.614	0
SAAL1	1.51	5.96
SAC	5.051	0
SAC3D1	1.538	0.52
SACM1L	3.519	9.79
SACS	14.79	0.53
SAE1	2.109	20.78
SAE2	2.665	7.27
SAFB	4.451	36.19
SAFB2	3.417	17.95
SAG	1.565	0.06
SAGE1	3.046	0
SALF	3.824	0.05
SALL1	4.669	0.02
SALL2	4.913	0.76
SALL3	4.775	0
SALL4	3.452	0.31
SAMD1	0.663	4.62
SAMD10	2.176	1.55
SAMD11	2.554	0.58
SAMD12	2.1	0
SAMD13	1.565	0.06
SAMD14	1.859	0.43
SAMD3	2.432	0.12
SAMD4A	2.338	0.8
SAMD4B	4.495	7.08
SAMD7	2.265	0.04
SAMD8	3.303	13.66
SAMD9	14.225	1.3
SAMD9L	14.264	0.93
SAMHD1	2.701	1.76
SAMM50	1.716	7.21
SAMSN1	1.888	3.46
SAP130	4.061	4
SAP18	2.022	40.32
SAP30	1.391	102.35
SAP30BP	4.036	27.01
SAP30L	1.42	3.69

SAPS1	3.777	42.7
SAPS2	6.413	13.02
SAPS3	7.571	20.82
SAR1A	2.986	26.67
SAR1B	1.365	2.83
SAR1P3	0.573	2.76
SARDH	3.344	1
SARM1	6.861	0.3
SARS	1.895	34.77
SARS2	2.057	3.85
SART1	3.561	26.59
SART3	3.776	12.44
SAS10	2.035	17.65
SASH1	7.709	0
SASP	2.172	1
SASS6	3.899	0.81
SAS-ZFAT	0.939	0.42
SAT1	2.471	158.28
SAT2	0.933	12.73
SATB1	4.982	18.37
SATB2	4.998	0
SATL1	1.616	0.92
SAV1	3.031	13.94
SBDS	3.21	16.58
SBDSP	10.68	1.42
SBEM	0.396	0
SBF1	8.209	20.55
SBF2	7.405	6.11
SBK1	4.992	0.28
SBNO1	4.179	4.61
SBNO2	4.877	15.99
SBSN	0.957	0
SC4MOL	2.288	1.04
SC4MOP	0.882	0
SC5DL	2.993	31.9
SC65	2.602	0.04
SCAMP1	8.202	0.83
SCAMP2	2.04	17.99
SCAMP3	1.883	6.67
SCAMP4	2.526	3.6
SCAMP5	3.382	0.32
SCAND1	0.997	35.23
SCAND2	6.81	1.36
SCAP	4.255	8.07
SCARA3	3.832	0
SCARA5	3.643	0
SCARB1	2.555	8.75
SCARB2	4.748	6.57
SCARF1	8.081	3.63
SCARF2	3.624	0.25

SCARNA1	0.166	0
SCARNA11	0.137	0
SCARNA12	0.27	9.89
SCARNA15	0.127	0
SCARNA16	0.417	9.02
SCARNA17	0.421	8.22
SCARNA2	0.42	1.18
SCARNA20	0.13	0
SCARNA21	0.138	1.43
SCARNA22	0.125	0
SCARNA23	0.13	0
SCARNA3	0.144	0
SCARNA4	0.129	0
SCARNA5	0.278	0.36
SCARNA6	0.266	0.37
SCARNA7	0.33	4.5
SCARNA8	0.131	4.53
SCARNA9	0.353	17.38
SCC-112	6.714	8.81
SCCPDH	2.474	5.12
SCD	5.468	0.51
SCD5	4.207	0.35
SCEL	2.422	0
SCFD1	2.603	5.89
SCFD2	3.176	1.43
SCG2	2.476	0
SCG3	3.31	0
SCG5	1.151	0
SCGB1A1	0.425	0
SCGB1C1	0.431	0
SCGB1D1	0.429	0
SCGB1D2	0.438	0
SCGB1D4	0.434	0
SCGB2A1	0.518	0
SCGB2A2	0.502	0
SCGB3A1	0.466	0.64
SCGB3A2	0.515	0
SCGN	1.482	0
SCHIP1	2.394	5.21
SCIN	5.14	0
SCLT1	2.816	1.33
SCLY	2.412	1.23
SCMH1	5.016	15.6
SCML1	3.392	2.24
SCML2	4.131	4.81
SCML4	2.055	0.14
SCN10A	5.874	0
SCN11A	6.502	0.06
SCN1A	8.082	0
SCN1B	2.278	3

SCN2A	9.191	0
SCN2B	4.921	0.02
SCN3A	9.093	0.19
SCN3B	6.885	0.92
SCN4A	7.805	22.14
SCN4B	4.486	0
SCN5A	8.663	0.04
SCN7A	5.377	0
SCN8A	7.006	0.31
SCN9A	6.357	0
SCNM1	1.484	11.4
SCNN1A	3.135	0.41
SCNN1B	2.544	0
SCNN1D	2.503	3.44
SCNN1G	3.499	0
SCO1	1.701	5.06
SCO2	0.929	1.49
SCOC	1.958	2.43
SCOTIN	2.166	28.37
SCP2	4.928	3.07
SCPEP1	1.919	17.32
SCRG1	0.903	0.44
SCRIB	5.208	5.08
SCRL	3.1	0
SCRN1	10.42	0.24
SCRN2	1.469	18.99
SCRN3	2.468	0.92
SCRT1	3.552	0
SCRT2	3.577	0
SCT	0.514	0.2
SCTR	1.701	0
SCUBE1	2.992	0.1
SCUBE2	3.737	0.48
SCUBE3	5.115	0.06
SCYE1	2.151	15.69
SCYE1P	0.912	1.84
SCYL1	2.57	13.86
SCYL1BP1	2.186	2.49
SCYL2	3.807	9.02
SCYL3	3.577	0.89
SDAD1	2.753	3.45
SDC1	3.592	0.11
SDC2	3.485	13.65
SDC3	1.461	0.07
SDC4	2.613	0.12
SDC4P	0.467	0
SDCBP	2.371	13.27
SDCBP2	1.633	0.3
SDCCAG1	4.121	13.23
SDCCAG10	2.08	2.57

SDCCAG3	2.379	1.54
SDCCAG3L	1.089	0.09
SDCCAG8	2.403	6.21
SDF2	1.075	13.07
SDF2L1	0.874	2.94
SDF4	3.33	12.1
SDHA	2.276	25.43
SDHALP1	3.157	7.24
SDHALP2	46.009	1.47
SDHAP3	23.621	1.18
SDHB	1.098	19.01
SDHC	5.281	1.33
SDHD	1.313	4.07
SDHDP6	1.292	0.92
SDHDP7	1.29	1.23
SDK1	13.998	0.03
SDK2	9.37	8.2
SDPR	3.221	0
SDR-O	0.942	0
SDS	1.605	0.25
SDSL	1.397	0.07
SEBOX	1.641	0
SEC11A	1.383	26.39
SEC11B	0.894	3.87
SEC11C	0.782	5.82
SEC13	1.574	21.56
SEC14L1	13.661	99.78
SEC14L2	2.817	0.25
SEC14L3	2.064	0
SEC14L4	2.499	0.08
SEC14L5	6.522	0
SEC22A	1.793	1.6
SEC22B	1.821	9.56
SEC22C	2.547	7.69
SEC23A	3.841	4.28
SEC23B	3.949	2.96
SEC23IP	4.243	2.94
SEC24A	7.063	1.4
SEC24B	4.743	15.5
SEC24C	4.734	21.11
SEC24D	3.99	0.89
SEC31A	4.237	7.85
SEC31B	5.11	15.28
SEC61A1	3.997	40.42
SEC61A2	2.608	17.49
SEC61B	0.562	68.3
SEC61G	1.102	7
SEC63	3.849	39.58
SEC63D1	2.668	0
SECISBP2	4.383	13.88

SECTM1	2.002	2.03
SEDLP2	0.536	0
SEDLP3	4.634	0
SEDLP4	10.816	0
SEDLP5	7.767	0
SEH1L	4.18	6.08
SEL1L	7.853	6.18
SEL1L2	1.903	0
SELE	3.833	0
SELENBP1	1.705	1.56
SELI	8.093	3.12
SELK	0.818	14.75
SELL	2.324	4.09
SELM	0.691	2.29
SELP	3.199	0
SELPLG	2.543	2.53
SELS	1.878	1.8
SELT	3.49	12.82
SELV	1.704	0
SEMA3A	5.046	0
SEMA3B	3.069	0.2
SEMA3C	10.353	0
SEMA3D	12.522	0
SEMA3E	12.947	0
SEMA3F	3.516	0.12
SEMA3G	4.7	0.02
SEMA4A	3.23	1.14
SEMA4B	4.063	0.9
SEMA4C	3.522	0.36
SEMA4D	5.338	15.44
SEMA4F	4.273	0.44
SEMA4G	4.4	0.22
SEMA5A	8.021	0
SEMA5B	4.707	0.71
SEMA6A	15.453	50.66
SEMA6B	4.634	0.47
SEMA6C	4.917	19.3
SEMA6D	10.56	0
SEMA7A	2.66	0.71
SEMG1	2.755	0
SEMG2	1.982	0
SENP1	4.726	1.32
SENP2	3.198	14.75
SENP3	2.411	6.6
SENP5	4.093	9.57
SENP6	4.715	11.29
SENP7	4.732	4.73
SENP8	1.439	0
SEP15	3.001	28.02
SEPHS1	2.6	6.13

SEPHS2	2.273	19.19
SEPN1	4.332	28.89
SEPP1	2.086	2.37
SEPT1	1.59	2.86
SEPT10	3.254	0
SEPT11	5.555	3.17
SEPT12	1.29	0.08
SEPT2	4.554	48.92
SEPT3	5.85	0
SEPT4	2.841	0.14
SEPT5	3.525	0.25
SEPT6	8.577	23.72
SEPT7	4.969	10.03
SEPT9	4.1	110.25
SEPW1	0.88	6.07
SEPW1P	1.521	1.1
SEPX1	1.367	2.24
SERAC1	3.915	0.2
SERBP1	6.914	9.46
SERBP1P	3.059	2.33
SERF1A	3.778	0
SERF2	0.967	121.96
SERGEF	1.494	2.19
SERHL	1.346	3.23
SERHL2	1.374	2.73
SERINC1	3.128	52.47
SERINC2	1.997	5.8
SERINC3	3.652	19.62
SERINC4	1.49	7.77
SERINC5	4.747	26.3
SERP1	2.464	30.88
SERPINA1	2.154	6.29
SERPINA10	2.453	0
SERPINA11	1.471	0
SERPINA12	2.061	0
SERPINA13	1.718	0
SERPINA2	1.752	0
SERPINA3	1.59	0
SERPINA4	1.661	0
SERPINA5	2.227	0
SERPINA6	1.492	0
SERPINA7	1.559	0
SERPINA9	1.346	0
SERPINB1	2.719	32.6
SERPINB10	1.194	0.08
SERPINB11	1.179	0
SERPINB12	1.218	0
SERPINB13	3.114	0
SERPINB2	1.901	0.47
SERPINB3	1.694	0.06

SERPINB4	1.698	0
SERPINB5	2.557	0
SERPINB6	1.646	23.32
SERPINB7	3.047	0
SERPINB8	3.928	2.8
SERPINB9	5.264	31.05
SERPINBP1	0.397	0
SERPINC1	1.556	0.06
SERPIND1	2.221	0
SERPINE1	5.734	2.11
SERPINE2	2.107	0.04
SERPINF1	1.542	4.49
SERPINF2	2.21	0.99
SERPING1	2.005	2.71
SERPINH1	2.204	2.24
SERPINI1	1.895	0
SERPINI2	1.43	0.55
SERTAD1	1.165	7.72
SERTAD2	5.547	15.7
SERTAD3	1.676	2.6
SERTAD4	2.028	0
SESN1	3.724	72.98
SESN2	3.485	0.97
SESN3	4.591	14.07
SESTD1	3.834	20.74
SET	2.559	29.85
SET07p	2.982	0
SETBP1	5.744	1.29
SETD1A	6.447	9.71
SETD1B	8.531	12.5
SETD2	7.987	19.01
SETD3	3.3	4.47
SETD4	6.424	2.44
SETD5	15.941	22.51
SETD6	1.998	0.6
SETD7	8.583	14.4
SETD8	2.751	3.06
SETDB1	4.363	8.57
SETDB2	3.298	2.61
SETMAR	2.058	1.98
SETP2	3.161	0.09
SETX	8.56	10.16
SEZ6	4.318	0.09
SEZ6L	3.407	0
SEZ6L2	3.358	0.18
SF1	11.739	82.87
SF3A1	5.391	17.67
SF3A2	2.16	53.23
SF3A3	2.841	18.6
SF3A3P1	1.477	1.21

SF3A3P2	2.716	1.53
SF3B1	5.161	166.89
SF3B14	0.771	42.35
SF3B2	2.894	47.9
SF3B3	4.34	11.55
SF3B4	1.549	39.73
SF3B5	0.737	64.44
SF4	2.075	8.58
SF11	4.252	3.72
SFMBT1	4.677	17.92
SFMBT2	5.742	5.93
SFN	1.315	0
SFPQ	10.681	91.01
SFPQP	2.847	1.56
SFRP1	4.455	0
SFRP2	1.99	0.05
SFRP4	5.634	0
SFRP5	1.887	0.05
SFRS1	2.941	29.44
SFRS10	5.484	45.01
SFRS11	6.838	59.69
SFRS12	4.77	32.07
SFRS14	7.251	37.05
SFRS15	4.682	13.59
SFRS16	2.513	20.67
SFRS2	2.882	78.03
SFRS2B	2.178	13.36
SFRS2IP	5.5	17.55
SFRS3	3.786	54.53
SFRS4	4.714	66.91
SFRS5	3.382	117.1
SFRS6	5.046	63.94
SFRS7	3.269	18.58
SFRS8	3.706	20.74
SFRS9	2.528	30.49
SFT2D1	0.691	5.44
SFT2D2	1.155	6.76
SFT2D3	2.811	1.94
SFTPA1	0.968	0
SFTPA2	2.139	0
SFTP B	3.535	0.08
SFTPC	0.991	0
SFTPD	1.283	0
SFTPG	1.266	0
SFXN1	6.951	102.58
SFXN2	2.559	0.58
SFXN3	3.09	4.74
SFXN4	2.229	1.02
SFXN5	4.14	8.32
SGCA	1.404	0

SGCB	4.229	0.04
SGCD	8.531	0.01
SGCE	3.302	1.32
SGCEP	1.641	0.18
SGCG	1.624	0
SGCZ	2.178	0.04
SGEF	3.861	0
SGIP1	4.554	0.02
SGK	2.371	4.92
SGK2	2.293	0.04
SGK3	4.324	1.76
SGOL1	2.722	0
SGOL2	4.154	0.19
SGPL1	4.692	6.05
SGPP1	3.309	3.86
SGPP2	1.2	0.58
SGSH	2.682	11.03
SGTA	2.315	29.11
SGTB	2.649	2.84
SH2B1	4.858	9.65
SH2B2	3.971	0.75
SH2B3	5.406	22.47
SH2D1A	2.45	0.73
SH2D1B	2.535	0.28
SH2D2A	1.606	0.86
SH2D3A	2.315	0.56
SH2D3C	3.106	22.08
SH2D4A	2.864	0.31
SH2D4B	4.437	4.08
SH2D5	6.101	0.06
SH2D6	0.894	0
SH3BGR	1.472	0
SH3BGRL	1.743	22.14
SH3BGRL2	4.646	0.02
SH3BGRL3	0.884	143.37
SH3BP1	2.576	1
SH3BP2	7.3	16.45
SH3BP4	5.183	0
SH3BP5	4.46	30.24
SH3BP5L	3.182	6.87
SH3D19	5.373	1.29
SH3GL1	2.9	22.45
SH3GL2	2.487	0
SH3GL3	2.012	0
SH3GLB1	1.887	22.97
SH3GLB2	1.984	12.61
SH3GLP2	24.523	0.46
SH3GLP3	27.17	0.17
SH3KBP1	4.145	17.26
SH3MD4	3.831	1.55

SH3PX3	3.233	0.61
SH3PXD2A	11.247	2.23
SH3PXD2B	7.777	0.56
SH3RF1	5.265	6.09
SH3RF2	3.003	0
SH3TC1	9.93	73.7
SH3TC2	26.58	0
SH3YL1	1.965	1.51
SHANK1	6.643	1.43
SHANK2	10.174	0
SHANK3	14.74	33.6
SHARPIN	1.764	9.59
SHB	2.302	1.2
SHBG	1.209	0
SHC1	3.677	12.33
SHC2	2.494	0
SHC3	2.394	0
SHC4	4.556	0
SHCBP1	3.206	1.88
SHCL1	3.507	0.48
SHD	1.515	0
SHE	6.243	0
SHF	2.239	0.18
SHFM1	1.736	36.13
SHFM3P1	2.39	22.94
SHH	4.525	6.88
SHKBP1	2.328	13.94
SHMT1	5.066	11.76
SHMT2	2.095	15.92
SHOC2	3.8	16.27
SHOX	4.384	0
SHOX2	3.753	0
SHPRH	6.994	0.74
SHQ1	2.848	0.38
SHROOM1	3.19	0
SHROOM2	7.445	0
SHROOM3	7.556	0
SHROOM4	6.003	0
SI	6.01	0
SIAE	2.839	0.24
SIAH1	4.39	13.72
SIAH2	2.62	30.93
SIAHBP1	1.887	11.38
SIDT1	4.792	7.7
SIDT2	3.919	10.18
SIGIRR	1.854	14.3
SIGLEC1	6.72	0.16
SIGLEC10	2.998	0.04
SIGLEC11	3.165	0
SIGLEC12	2.6	0

SIGLEC5	2.089	0.85
SIGLEC6	2.404	0
SIGLEC7	2.244	0
SIGLEC8	2.949	0.07
SIGLEC9	1.69	0.18
SIGLECP1	0.507	0
SIGLECP10	0.478	0
SIGLECP11	0.426	0
SIGLECP12	0.762	0
SIGLECP13	0.479	0
SIGLECP14	0.428	0
SIGLECP15	0.538	0
SIGLECP16	7.774	0.02
SIGLECP2	0.451	0
SIGLECP3	8.285	0.01
SIGLECP4	0.426	0
SIGLECP5	0.466	0
SIGLECP6	0.48	0
SIGLECP7	0.699	0
SIGLECP8	0.354	0
SIGLECP9	0.475	0
SIKE	2.19	2.8
SIL1	1.989	5.57
SILV	2.126	0.65
SIM1	3.995	0
SIM2	5.482	0
SIN3A	5.126	11.76
SIN3B	5.432	11.33
SIP1	1.893	0.89
SIPA1	3.778	21.47
SIPA1L1	6.007	2.93
SIPA1L2	5.679	5.37
SIPA1L3	7.984	4.04
SIRPA	4.487	3.66
SIRPB1	3.815	0.54
SIRPB2	3.004	0.04
SIRPD	0.812	0
SIRPG	1.716	0.34
SIRT1	4.09	5.88
SIRT2	2.815	6.19
SIRT3	3.26	5.68
SIRT4	1.171	0
SIRT5	2.941	0.87
SIRT6	1.636	2.18
SIRT7	1.713	8.2
SIT1	1.238	0.48
SIVA1	1.865	17.51
SIX1	1.376	0
SIX2	2.115	0
SIX3	1.924	0

SIX4	6.214	0
SIX5	3.145	0.1
SIX6	1.391	0
SKAP1	1.531	0.45
SKAP2	7.943	0.35
SKI	6.888	35.87
SKIL	3.059	5.11
SKIP	6.802	0
SKIV2L	12.51	0
SKIV2L2	3.56	6.28
SKP1A	3.204	13.93
SKP2	1.8	3.02
SLA	2.667	5.72
SLA/LP	3.363	4.27
SLA2	4.046	1.24
SLAIN1	2.598	4.45
SLAIN2	6.472	2.17
SLAMF1	1.791	0.5
SLAMF6	2.733	0.68
SLAMF7	2.657	0.82
SLAMF8	3.178	0.75
SLAMF9	1.12	0.18
SLBP	1.888	41.92
SLC10A1	1.579	0.25
SLC10A2	3.777	0.08
SLC10A3	2.124	2.6
SLC10A4	1.652	0
SLC10A5	1.317	0
SLC10A6	1.134	0.09
SLC10A7	4.103	0.89
SLC11A1	2.567	2.54
SLC11A2	4.105	7.52
SLC12A1	3.362	0
SLC12A2	6.86	0.52
SLC12A3	3.131	0
SLC12A4	3.84	1.37
SLC12A5	6.042	0.05
SLC12A6	4.882	23.61
SLC12A7	5.231	9.06
SLC12A8	3.482	0.05
SLC12A9	6.586	9.21
SLC13A1	7.593	0
SLC13A2	1.946	0
SLC13A3	4.481	0
SLC13A4	5.792	0.26
SLC13A5	3.207	0
SLC14A1	2.72	0
SLC14A2	4.167	0
SLC15A1	3.105	0
SLC15A2	2.831	0.94

SLC15A3	2.113	4.96
SLC15A4	2.768	2.25
SLC16A1	3.355	2.19
SLC16A10	2.471	0.04
SLC16A11	1.803	0.71
SLC16A12	3.9	0
SLC16A13	1.281	0.23
SLC16A14	4.294	4.95
SLC16A2	4.37	8.67
SLC16A3	3.625	46.75
SLC16A4	2.529	0.28
SLC16A5	1.929	1.28
SLC16A6	2.659	0.44
SLC16A7	3.541	0.08
SLC16A8	2.073	5.78
SLC16A9	3.646	0
SLC17A1	1.548	0
SLC17A2	2.27	0
SLC17A3	1.75	0
SLC17A4	2.598	0
SLC17A5	3.273	1.15
SLC17A6	3.919	0
SLC17A7	2.949	0.07
SLC17A8	3.846	0
SLC18A1	2.747	0
SLC18A2	1.894	0.21
SLC18A3	2.419	0
SLC19A1	4.332	2.12
SLC19A2	3.651	0.3
SLC19A3	3.767	0
SLC1A1	3.722	0
SLC1A2	11.696	0
SLC1A3	3.936	0.25
SLC1A4	4.502	4.66
SLC1A5	2.844	2.4
SLC1A6	1.719	0
SLC1A7	2.637	0.12
SLC20A1	3.48	19.47
SLC20A2	3.909	2.38
SLC22A1	2.109	0
SLC22A10	2.187	0
SLC22A11	2.512	0.04
SLC22A12	4.413	0
SLC22A13	2.527	0
SLC22A14	2.201	0.04
SLC22A15	4.07	0.24
SLC22A16	1.971	2.26
SLC22A17	3.002	0.04
SLC22A18	1.613	2.82
SLC22A18AS	1.341	0

SLC22A2	4.746	0
SLC22A3	5.624	0
SLC22A4	2.192	0.59
SLC22A5	3.237	0.46
SLC22A6	2.889	0
SLC22A7	2.559	0
SLC22A8	2.178	0
SLC22A9	2.327	0
SLC23A1	2.388	6.21
SLC23A2	7.056	6.82
SLC23A3	1.935	0.2
SLC24A1	5.377	2.22
SLC24A2	2.221	0
SLC24A3	3.889	0
SLC24A4	4.718	0
SLC24A5	1.617	0
SLC24A6	3.684	17.06
SLC25A1	1.583	8.5
SLC25A10	1.885	2.1
SLC25A11	1.49	4.65
SLC25A12	2.95	2.82
SLC25A13	6.272	1.19
SLC25A14	1.914	29.05
SLC25A15	1.621	0.3
SLC25A16	2.543	3.65
SLC25A17	2.266	0.61
SLC25A18	2.087	0.04
SLC25A19	1.651	0.3
SLC25A2	1.417	0.21
SLC25A20	1.787	1
SLC25A20P	1.716	0.05
SLC25A21	1.995	0
SLC25A22	2.754	1.9
SLC25A23	3.46	0.11
SLC25A24	3.83	1.94
SLC25A25	4.162	18.33
SLC25A26	2.617	5.97
SLC25A27	2.007	0.74
SLC25A28	2.516	39.84
SLC25A29	4.221	17.79
SLC25A3	5.621	68.35
SLC25A30	1.975	12.92
SLC25A31	1.793	0
SLC25A32	3.069	9.06
SLC25A33	1.461	1.28
SLC25A34	3.07	0.68
SLC25A35	2.785	3.59
SLC25A36	4.169	19.79
SLC25A37	2.71	13.25
SLC25A38	2.003	8.79

SLC25A39	1.55	29.81
SLC25A4	1.326	0.15
SLC25A40	3.03	0.62
SLC25A41	1.63	0
SLC25A42	3.117	4.07
SLC25A43	2.776	0.85
SLC25A44	3.463	9.65
SLC25A45	2.432	2.48
SLC25A46	2.326	3.02
SLC25A5	1.225	132.78
SLC25A6	1.439	611.43
SLC25A6P1	0.725	0
SLC26A1	4.187	1.18
SLC26A10	3.04	0
SLC26A11	2.872	0.55
SLC26A2	7.36	1.6
SLC26A3	5.709	0.04
SLC26A4	9.857	0.03
SLC26A5	6.108	0.12
SLC26A6	3.514	1.21
SLC26A7	5.764	0
SLC26A8	3.94	0.03
SLC26A9	6.979	0.07
SLC27A1	3.547	3.8
SLC27A2	2.343	0.46
SLC27A3	2.413	8.32
SLC27A4	2.948	0.51
SLC27A5	2.277	0.65
SLC27A6	3.234	0
SLC28A1	3.41	0
SLC28A2	2.458	0
SLC28A3	2.209	0
SLC29A1	2.162	0.51
SLC29A2	2.515	1.96
SLC29A3	2.24	1.9
SLC29A4	5.72	0.14
SLC2A1	2.855	27.59
SLC2A10	4.236	0.03
SLC2A11	2.314	1.96
SLC2A12	5.599	0.05
SLC2A13	7.003	0.03
SLC2A14	2.195	0.72
SLC2A2	3.439	0
SLC2A3	3.914	26.52
SLC2A3P2	2.704	0.81
SLC2A4	3.149	0.04
SLC2A4RG	2.279	5.47
SLC2A5	2.322	468.22
SLC2A6	2.487	0.48
SLC2A7	1.575	0.94

SLC2A8	2.118	0.19
SLC2A9	2.079	1.72
SLC30A1	2.018	2.36
SLC30A10	4.655	0
SLC30A2	2.473	0
SLC30A3	2.093	0
SLC30A4	4.287	0.35
SLC30A5	3.979	1.61
SLC30A6	2.45	1.05
SLC30A7	5.867	2.35
SLC30A8	5.373	0
SLC30A9	3.261	2.61
SLC31A1	4.718	6.61
SLC31A2	1.693	34.95
SLC32A1	2.574	0.04
SLC33A1	2.835	4.05
SLC34A1	2.563	0
SLC34A2	2.25	0
SLC34A3	2.124	0.19
SLC35A1	1.844	2.58
SLC35A2	2.751	5
SLC35A3	2.348	3.83
SLC35A4	2.657	9.61
SLC35A5	2.94	1.85
SLC35B1	1.186	18.77
SLC35B2	2.024	6.79
SLC35B3	2.04	1.6
SLC35B4	13.59	0.83
SLC35C1	2.793	1.7
SLC35C2	2.824	4.98
SLC35D1	1.936	7.21
SLC35D2	1.571	13.73
SLC35D3	2.359	0
SLC35E1	3.483	6.73
SLC35E2	1.43	3.94
SLC35E3	2.347	9.27
SLC35E4	1.266	0.08
SLC35F1	4.844	0
SLC35F2	2.91	0.82
SLC35F3	2.891	0
SLC35F4	1.779	0.12
SLC35F5	2.855	1
SLC36A1	5.773	0.13
SLC36A2	3.389	0
SLC36A3	2.456	0.04
SLC36A4	2.465	1.61
SLC37A1	3.863	9.27
SLC37A2	2.696	0
SLC37A3	10.129	2.9
SLC37A4	2.52	1.69

SLC38A1	9.186	51.15
SLC38A2	5.363	43.58
SLC38A3	2.437	0
SLC38A4	3.942	0
SLC38A5	2.655	2.53
SLC38A6	1.516	0.45
SLC39A1	2.427	7.05
SLC39A10	5.227	2.5
SLC39A11	2.737	1.33
SLC39A12	2.635	0.04
SLC39A13	2.289	25.85
SLC39A14	4.611	0.26
SLC39A2	1.358	0
SLC39A3	4.158	2.31
SLC39A4	3.124	0.63
SLC39A5	2.85	4.65
SLC39A6	2.733	1.56
SLC39A7	7.077	0
SLC39A8	3.292	4.84
SLC39A9	3.396	5.39
SLC3A1	2.3	0.04
SLC3A2	3.127	14.3
SLC40A1	3.431	0.2
SLC41A1	4.854	15.02
SLC41A2	2.418	0.08
SLC41A3	3.087	13.97
SLC43A1	2.498	2.5
SLC43A2	3.001	8.97
SLC43A3	2.822	6.69
SLC44A1	4.298	8.98
SLC44A2	3.89	52.49
SLC44A3	2.061	0.04
SLC44A4	8.967	0
SLC44A5	2.288	0.13
SLC45A1	2.401	0
SLC45A2	3.226	0
SLC45A3	3.382	1.81
SLC45A4	8.831	0.2
SLC4A1	3.636	1.44
SLC4A10	3.931	0
SLC4A11	3.274	1.64
SLC4A1AP	2.954	2.31
SLC4A2	8.112	2.63
SLC4A3	4.685	0
SLC4A4	7.588	0.01
SLC4A5	4.034	0.88
SLC4A7	7.757	1.21
SLC4A8	6.107	0.04
SLC4A9	3.086	0
SLC5A1	2.45	0.04

SLC5A10	2.201	0.22
SLC5A11	2.35	0.21
SLC5A12	2.269	0
SLC5A2	2.271	2.04
SLC5A3	2.157	1.88
SLC5A4	2.02	0
SLC5A5	2.49	0
SLC5A6	3.145	3.11
SLC5A7	5.146	0
SLC5A8	3.982	0
SLC5A9	3.227	0
SLC6A1	4.46	0
SLC6A10P	11.506	0
SLC6A11	1.991	0
SLC6A12	3.372	0
SLC6A13	2.185	0
SLC6A14	4.519	0
SLC6A15	7.991	0
SLC6A16	2.936	0.2
SLC6A17	6.42	0
SLC6A18	2.12	0
SLC6A19	1.905	0.16
SLC6A2	3.347	0
SLC6A20	5.358	0.15
SLC6A3	3.932	0
SLC6A4	2.756	0.04
SLC6A5	2.716	0
SLC6A6	5.871	13.7
SLC6A6P	1.803	0.17
SLC6A7	3.739	0.05
SLC6A8	3.917	0.27
SLC6A9	3.647	0.16
SLC7A1	7.239	1.85
SLC7A10	1.897	0.05
SLC7A11	9.648	0.01
SLC7A13	1.865	0
SLC7A14	2.909	0
SLC7A2	7.633	0
SLC7A3	2.223	0
SLC7A4	2.311	0
SLC7A5	4.543	78.56
SLC7A6	6.25	8.61
SLC7A6OS	1.607	6.22
SLC7A7	2.447	1.46
SLC7A8	4.485	0
SLC7A9	1.76	0
SLC8A1	3.194	0.65
SLC8A2	4.282	0.03
SLC8A3	5.853	0.02
SLC9A1	4.517	1.99

SLC9A10	4.123	0
SLC9A11	4.367	0.18
SLC9A2	5.442	0
SLC9A3	3.538	5.34
SLC9A3P2	1.894	0
SLC9A3R1	1.984	10.83
SLC9A3R2	1.557	9.15
SLC9A4	4.134	0
SLC9A5	3.726	0.4
SLC9A6	4.454	4.53
SLC9A7	2.869	5.28
SLC9A8	6.255	5.72
SLC9A9	3.543	1.9
SLCO1A2	4.427	0
SLCO1B1	2.779	0
SLCO1B3	2.631	0
SLCO1C1	3.365	0
SLCO2A1	4.031	0.07
SLCO2B1	4.068	4.69
SLCO3A1	2.74	0.36
SLCO4A1	2.776	1.39
SLCO4C1	5.334	0.28
SLCO5A1	3.692	0.13
SLCO6A1	2.524	0
SLFN11	4.896	3.19
SLFN12	2.383	0.58
SLFN13	8.385	3.53
SLFN14	2.739	0.68
SLFN5	2.836	0.67
SLFNL1	1.953	0.71
SLIC1	1.68	8.01
SLIT1	5.095	0
SLIT2	4.95	0
SLIT3	5.015	0
SLITRK1	5.186	0
SLITRK2	5.009	0
SLITRK3	4.222	0
SLITRK4	3.383	0
SLITRK5	4.447	0
SLITRK6	4.181	0
SLK	5.606	6.62
SLMAP	4.42	5.08
SLMO1	1.682	0.12
SLMO2	2.527	15.58
SLN	0.717	0
SLPI	0.598	1
SLTM	5.744	11.85
SLU7	2.24	31.8
SLURP1	0.537	0
SMA4	2.362	0

SMA5	3.523	0
SMAD1	3.12	14.62
SMAD2	5.466	5.64
SMAD3	7.743	33.38
SMAD4	4.805	17.44
SMAD5	7.095	2.76
SMAD6	2.907	0.1
SMAD7	3.087	7.31
SMAD9	1.925	0.05
SMAF1	0.77	0
SMAP1	3.129	5.85
SMAP1L	9.55	100.3
SMARCA1	4.285	0
SMARCA2	9.544	85.9
SMARCA4	8.166	44.38
SMARCA5	4.141	15.14
SMARCAD1	4.916	2.98
SMARCAL1	3.04	0.82
SMARCB1	1.815	25.02
SMARCC1	5.749	10.44
SMARCC2	5.041	16.13
SMARCD1	3.331	18.44
SMARCD2	2.704	31.65
SMARCD3	3.84	0.49
SMARCE1	2.425	36.63
SMC1A	9.725	2.8
SMC1B	4.253	0
SMC2	4.149	0.84
SMC3	4.112	9.96
SMC4	7.67	24.74
SMC5	3.492	4.65
SMC6	5.134	17.9
SMCHD1	9.796	29.17
SMCP	0.77	0
SMCR7	3.639	0.54
SMCR7L	5.699	4.28
SMCR8	4.839	13
SMCYP	0.875	0
SMEK1	4.779	28.49
SMEK2	4.496	11.64
SMEK3P	3.133	0
SMG1	15.725	5.12
SMG5	4.563	18.9
SMG6	5.913	5.44
SMG7	6.728	10.6
SMN1	3.246	0.15
SMN2	4.398	0.09
SMNDC1	2.45	13.12
SMNP	0.832	1.66
SMO	7.476	0.6

SMOC1	3.683	0
SMOC2	2.947	0
SMOX	2.875	7.39
SMPD1	3.272	1.9
SMPD2	1.68	5.77
SMPD3	5.264	0.92
SMPD4	5.244	9.64
SMPDL3A	1.742	0.45
SMPDL3B	2.405	0.08
SMPX	0.886	0
SMR3A	0.598	0
SMR3B	0.785	0
SMS	1.688	6.62
SMTN	3.671	0.73
SMTNL1	2.062	0.76
SMTNL2	1.919	0.31
SMU1	1.702	10.81
SMUG1	1.57	0.69
SMURF1	13.471	14.89
SMURF2	3.866	5.99
SMYD1	4.347	0
SMYD2	1.671	3.67
SMYD3	1.458	4.28
SMYD4	4.229	1.69
SMYD5	2.543	3.96
SNAG1	2.146	6.27
SNAI1	1.695	11.27
SNAI1L1	1.666	0.12
SNAI2	2.101	0.66
SNAI3	1.629	0.54
SNAP23	2.307	13.59
SNAP23P	0.246	0.8
SNAP25	2.171	0
SNAP29	2.869	2.73
SNAP91	4.369	0.07
SNAPAP	0.96	9.28
SNAPC1	2.564	1.27
SNAPC2	1.513	2.29
SNAPC3	3.095	1.08
SNAPC4	4.65	2.83
SNAPC5	0.785	7.56
SNCA	2.3	1.21
SNCAIP	3.569	0
SNCB	1.45	0
SNCG	0.697	0
SND1	7.016	18.4
SNED1	6.834	1.16
SNF1LK	4.712	23.37
SNF1LK2	5.681	2
SNF8	1.214	19.23

SNFT	0.98	0.81
SNHG5	0.937	100.41
SNHG6	0.472	155.11
SNHG8	0.874	2.27
SNIP	4.114	0
SNIP1	2.471	14.93
SNN	3.274	21.3
SNORA1	0.13	3.05
SNORA10	0.133	4.47
SNORA11	0.131	1.51
SNORA12	0.147	4.04
SNORA13	0.133	0.75
SNORA14A	0.268	0
SNORA14B	0.135	0
SNORA15	0.266	0
SNORA16A	0.404	8.33
SNORA17	0.385	45.22
SNORA18	0.132	5.24
SNORA19	0.128	0.77
SNORA20	0.132	4.5
SNORA21	0.133	17.86
SNORA22	0.268	1.85
SNORA23	0.189	0.52
SNORA24	0.734	96.92
SNORA26	0.263	16.18
SNORA27	0.126	3.14
SNORA28	0.126	1.57
SNORA29	0.14	2.12
SNORA2A	0.135	1.47
SNORA2B	0.137	0
SNORA3	0.13	3.8
SNORA30	0.129	0
SNORA31	0.13	6.09
SNORA33	0.133	10.42
SNORA34	0.137	0
SNORA35	0.128	0
SNORA36A	0.132	3.75
SNORA37	0.129	0
SNORA38	0.396	0
SNORA4	0.137	28.89
SNORA40	0.127	4.68
SNORA41	0.132	3
SNORA42	0.134	0
SNORA43	1.361	30.89
SNORA44	0.132	4.5
SNORA45	0.131	3.78
SNORA46	0.135	0
SNORA47	0.138	0.72
SNORA48	0.135	14.66
SNORA49	0.137	0

SNORA50	0.136	0
SNORA51	0.132	2.25
SNORA52	0.134	8.86
SNORA53	0.25	4.36
SNORA54	0.123	0
SNORA55	0.137	0
SNORA56	0.129	4.6
SNORA58	0.137	0
SNORA59B	0.152	1.95
SNORA5A	0.268	0.37
SNORA5B	0.264	0.37
SNORA5C	0.274	0.36
SNORA6	0.149	5.32
SNORA60	0.136	2.19
SNORA61	0.13	9.89
SNORA62	0.154	10.92
SNORA63	0.135	28.59
SNORA64	0.134	6.65
SNORA65	0.136	0
SNORA66	0.133	2.98
SNORA67	0.137	26.72
SNORA68	0.133	2.97
SNORA69	0.132	0.75
SNORA70	0.135	19.79
SNORA71A	0.138	1.43
SNORA71B	0.676	11.12
SNORA71C	0.138	2.15
SNORA71D	0.138	0
SNORA72	0.132	1.5
SNORA73A	0.207	4.3
SNORA74A	0.2	0.99
SNORA74B	0.204	0.97
SNORA75	0.137	5.06
SNORA76	0.469	38.18
SNORA77	0.125	5.54
SNORA78	0.127	3.89
SNORA79	0.14	0
SNORA7B	0.139	0
SNORA8	0.139	17.08
SNORA80	0.136	0
SNORA81	0.178	10.01
SNORA9	0.266	2.6
SNORD10	0.148	12.03
SNORD100	0.1	0
SNORD101	0.1	1.98
SNORD102	0.1	4.95
SNORD107	0.1	0
SNORD108	0.1	0
SNORD109A	0.1	0
SNORD109B	0.1	0

SNORD11	0.1	7.92
SNORD115@	0.1	0
SNORD115-1	0.1	0
SNORD116@	0.1	0
SNORD116-19	0.1	0
SNORD12	1.096	81.51
SNORD13	0.104	1.9
SNORD14A	0.1	7.92
SNORD14B	0.1	8.91
SNORD15A	0.148	2.68
SNORD15B	0.146	1.35
SNORD16	0.1	2.97
SNORD18A	0.1	0.99
SNORD18B	0.1	0
SNORD18C	0.1	3.96
SNORD2	0.1	2.97
SNORD20	0.1	12.86
SNORD21	0.1	2.97
SNORD22	0.785	126.41
SNORD25	0.249	19.47
SNORD26	0.1	8.91
SNORD27	0.216	23.82
SNORD28	0.519	14.49
SNORD29	0.226	15.76
SNORD30	0.1	13.85
SNORD31	0.614	22.24
SNORD32A	0.1	28.69
SNORD33	0.1	0.99
SNORD34	0.1	13.85
SNORD35A	0.1	18.8
SNORD35B	0.1	28.69
SNORD37	0.1	0
SNORD38A	0.1	9.89
SNORD38B	0.1	0.99
SNORD41	0.1	0
SNORD42A	0.1	1.98
SNORD42B	0.1	0.99
SNORD43	0.1	0
SNORD44	0.1	0.99
SNORD45A	0.1	1.98
SNORD45B	0.1	5.94
SNORD46	0.1	0.99
SNORD47	0.1	0.99
SNORD48	0.19	0
SNORD49A	0.1	1.98
SNORD49B	0.1	58.38
SNORD4A	0.1	7.92
SNORD4B	0.1	1.98
SNORD5	0.1	4.95
SNORD50A	0.1	0

SNORD51	0.1	0
SNORD52	0.192	0
SNORD53	0.463	16.45
SNORD54	0.1	0.99
SNORD55	0.1	12.86
SNORD56	0.1	16.82
SNORD57	0.1	5.94
SNORD58A	0.1	3.96
SNORD59A	0.1	13.85
SNORD6	0.1	2.97
SNORD60	0.339	75.88
SNORD61	0.1	0
SNORD62A	6.629	24.22
SNORD63	0.1	0
SNORD64	0.1	0
SNORD68	0.1	32.65
SNORD7	0.1	1.98
SNORD72	0.1	0
SNORD73A	0.1	12.86
SNORD73B	0.1	0
SNORD74	0.1	0
SNORD8	0.109	0
SNORD83A	0.1	1.98
SNORD83B	0.1	5.94
SNORD87	0.1	8.91
SNORD9	0.103	0.96
SNORD95	0.1	4.95
SNORD96A	0.1	1.98
SNPH	4.994	0.06
SNRK	5.119	25.55
SNRP70	7.414	64.59
SNRPA	1.606	30.56
SNRPA1	2.182	34.28
SNRPB	1.88	64.52
SNRPB2	1.596	15.38
SNRPC	0.71	40.55
SNRPD1	1.6	19.11
SNRPD2	1.159	76.06
SNRPD3	1.685	16.97
SNRPE	1.547	10.17
SNRPEL1	0.279	2.84
SNRPF	0.793	42.29
SNRPF1	0.255	26.77
SNRPG	0.58	10.24
SNRPGP	0.388	0
SNRPN	2.169	6.25
SNTA1	2.34	3.25
SNTB1	2.979	0.23
SNTB2	1.7	0.99
SNTG1	1.889	0

SNTG2	1.412	0.14
SNUPN	1.434	2.14
SNURF	1.351	16.26
SNW1	2.127	34.37
SNX1	8.221	9.52
SNX10	5.156	0.28
SNX11	2.656	1.68
SNX12	0.642	3.08
SNX13	10.2	1.78
SNX14	3.505	3.98
SNX15	1.909	2.74
SNX16	3.37	1.12
SNX17	2.043	31.53
SNX19	6.049	6.07
SNX2	2.069	94.58
SNX21	4.558	1.54
SNX22	3.614	5.56
SNX24	2.024	0.04
SNX25	3.213	0.47
SNX26	3.859	7.21
SNX27	7.085	1
SNX3	1.463	35.78
SNX30	7.584	14.87
SNX4	2.524	6.35
SNX5	5.091	33.08
SNX6	3.3	9.08
SNX7	2.337	7.66
SNX8	6.453	37.61
SNX9	7.18	35.13
SOAT1	3.393	5.83
SOAT2	2.035	0.04
SOCS1	1.216	17.57
SOCS2	4.242	175.95
SOCS2P1	0.902	0
SOCS2P2	1.64	0
SOCS3	2.734	3.55
SOCS4	7.013	3.26
SOCS5	4.662	6.75
SOCS6	2.635	4.28
SOCS7	2.153	0.51
SOD1	0.966	44.45
SOD2	2.995	63.39
SOD3	1.984	0
SOHLH1	1.987	0
SOHLH2	2.108	0
SOLH	4.744	4.92
SON	10.129	32.42
SONP1	2.49	1.51
SORBS1	8.027	0.98
SORBS2	6.818	0

SORBS3	6.318	48.05
SORCS1	11.056	0
SORCS2	5.955	0.06
SORCS3	5.757	0
SORD	2.515	1.69
SORL1	8.936	12.53
SORT1	7.018	23.62
SOS1	4.286	4.13
SOS2	3.999	6.56
SOST	2.3	0
SOSTDC1	3.738	0
SOX1	4.108	0.03
SOX10	2.862	0.04
SOX11	8.719	0.01
SOX12	4.63	2.5
SOX13	4.073	0.22
SOX14	0.818	0
SOX15	1.394	0.36
SOX17	1.825	0
SOX18	1.705	0.23
SOX2	2.503	0.04
SOX21	2.514	0
SOX2OT	3.042	0
SOX3	2.074	0
SOX30	4.308	0
SOX4	4.879	16.3
SOX5	4.946	0.02
SOX5P	1.45	0
SOX6	5.937	0
SOX7	3.216	1.11
SOX8	3.049	0.23
SOX9	3.935	0
SP1	7.661	12.01
SP100	3.918	14.36
SP110	2.683	4.5
SP140	3.567	0.75
SP2	2.968	9.56
SP3	6.125	14.99
SP4	11.622	0.91
SP5	1.942	0
SP6	3.794	0.08
SP7	2.974	0
SP8	10.682	0
SPA17	0.94	0
SPA17P1	0.689	0
SPACA1	1.499	0
SPACA3	0.819	0
SPACA4	0.972	0
SPACA5	0.732	0
SPACA5B	0.732	0

SPAG1	3.936	0.05
SPAG11	1.761	0
SPAG11A	2.182	0
SPAG16	2.933	0.24
SPAG17	7.111	0
SPAG4	1.452	2.25
SPAG4L	1.252	0
SPAG5	3.808	2.28
SPAG6	3.586	0
SPAG7	1.001	19.57
SPAG8	2.332	0.21
SPAG9	6.834	12.22
SPAM1	6.062	0.21
SPANXA1	0.384	0
SPANXA2	0.63	0
SPANXB1	0.469	0
SPANXC	0.404	0
SPANXD	0.384	0
SPANXE	0.441	0
SPANXN1	1.276	0
SPANXN2	1.377	0
SPANXN3	0.594	0
SPANXN4	0.3	0
SPANXN5	1.316	0
SPARC	3.141	10.11
SPARCL1	2.756	0
SPAST	5.213	0.76
SPATA1	1.509	0.2
SPATA12	2.413	0
SPATA13	3.503	2.43
SPATA16	2.05	0
SPATA17	1.235	0
SPATA18	4.3	0
SPATA19	0.866	0
SPATA2	4.045	5.92
SPATA20	2.607	9.98
SPATA21	2.682	17.12
SPATA22	1.457	0
SPATA2L	2.317	1.8
SPATA3	1.618	0
SPATA4	1.233	0
SPATA5	3.341	0.29
SPATA5L1	2.509	0.55
SPATA6	1.739	0.05
SPATA7	1.993	1.14
SPATA8	1.026	0
SPATA9	1.82	0.05
SPATC1	2.011	0.05
SPATS1	1.354	0.07
SPATS2	2.993	5.32

SPC24	2.289	2.29
SPC25	1.346	1.1
SPCS1	1.096	33.94
SPCS2	1.37	12.42
SPCS3	2.118	11.02
SPDEF	1.894	0
SPDYA	2.438	0.33
SPDYC	0.882	0
SPECC1	4.706	0.63
SPECC1L	6.211	3.33
SPEG	0.519	0
SPEN	12.935	23.06
SPERT	1.613	0
SPESP1	1.403	0.56
SPG20	4.822	1.15
SPG21	1.798	9.69
SPG3A	2.245	0
SPG7	5.049	18.18
SPHAR	0.968	0
SPHK1	2.997	5.32
SPHK2	2.963	1.64
SPI1	1.373	94.68
SPIB	1.448	0.41
SPIC	0.999	0
SPIN1	3.83	33.79
SPIN2A	1.319	0.9
SPIN2B	1.518	1.56
SPIN3	1.642	0
SPINK1	0.438	0
SPINK2	0.591	0
SPINK4	0.368	0
SPINK5	3.61	0
SPINK5L2	0.294	0
SPINK5L3	0.285	0
SPINK6	0.686	0
SPINK7	0.55	0
SPINK8	0.44	0
SPINK9	0.453	0
SPINLW1	2.691	0
SPINT1	2.755	0.65
SPINT2	1.552	48.45
SPINT4	0.514	0
SPIRE1	5.402	0.05
SPIRE2	3.244	0
SPN	6.973	4.99
SPO11	1.817	0
SPOCD1	3.888	0
SPOCK1	4.827	0
SPOCK2	5.305	44.05
SPOCK3	2.989	0

SPON1	4.754	0.84
SPON2	1.802	3.63
SPOP	3.141	8.82
SPP1	1.625	0
SPP2	1.019	0
SPPL2A	1.929	3.64
SPPL2B	7.908	40.49
SPR	1.42	0.07
SPRED1	3.816	1.09
SPRED2	4.097	5.96
SPRED3	0.543	0
SPRN	3.219	0.43
SPRR1A	0.648	0
SPRR1B	0.619	0
SPRR2A	0.677	0
SPRR2B	0.662	0
SPRR2D	0.79	0
SPRR2E	0.678	0
SPRR2F	0.657	0
SPRR2G	0.56	0
SPRR3	0.984	0
SPRR4	0.766	0
SPRY1	3.819	11.39
SPRY2	2.111	25.12
SPRY3	18.076	0.25
SPRY4	4.925	0.8
SPRYD3	2.568	1.16
SPRYD4	1.077	2.84
SPRYD5	1.269	0
SPSB1	3.075	3.22
SPSB2	1.188	0.84
SPSB3	2.612	29.06
SPSB4	2.418	0.08
SPTA1	7.999	2.07
SPTAN1	10.503	37.7
SPTB	10.436	0.2
SPTBN1	13.076	72.57
SPTBN2	7.864	0.22
SPTBN4	9.919	0.02
SPTBN5	11.722	0.35
SPTLC1	3.283	6.11
SPTLC2	8.042	12.1
SPTLC3	2.26	0.09
SPTY2D1	5.734	3.87
SPZ1	1.819	0
SOLE	2.99	1.42
SQRDL	1.672	1.65
SQSTM1	4.102	37
SR140	7.464	9.72
SRA1	1.511	13.81

SR-A1	4.193	17.37
SRBD1	3.663	1.84
SRC	4.201	2.1
SRCAP	9.442	12.18
SRCRB4D	5.612	0.21
SRD5A1	2.264	0.39
SRD5A2	2.445	0
SRD5A2L	2.272	0.3
SRD5A2L2	3.571	0
SRD5AP1	2.158	0.09
SREBF1	4.278	17.07
SREBF2	4.898	16.35
SRF	4.318	5.62
SRFBP1	2.17	1.37
SRGAP1	4.436	0
SRGAP2	6.323	4.49
SRGAP3	14.332	0.04
SRGN	1.254	109.67
SRI	4.19	3.35
SRIL	0.483	3.69
SRL	5.587	0.02
SRM	1.273	16.56
SRMP1	0.885	0.56
SRMP2	1.117	0
SRMS	1.516	0.06
SRP14	0.775	173.11
SRP14P1	0.332	94.47
SRP19	1.258	14.39
SRP54	2.149	9.76
SRP68	2.515	12.86
SRP72	3.848	12.77
SRP9	2.024	24.49
SRPK1	4.361	4.77
SRPK2	10.947	7.82
SRPK3	1.948	0.81
SRPR	3.542	42.4
SRPRB	1.745	4.65
SRPX	1.853	0
SRPX2	2.132	0
SRR	2.477	1.04
SRRM1	3.923	21.34
SRRM2	9.027	110.38
SRrp35	0.995	0
SRXN1	2.574	0.27
SRY	0.897	0
SS18	3.436	15.75
SS18L1	7.038	1.16
SS18L2	0.818	10.4
SSB	1.643	14.27
SSBP1	1.643	15.41

SSBP2	2.807	25.37
SSBP3	4.05	0.58
SSBP4	1.884	2.26
SSFA2	4.961	6.58
SSH1	4.023	0.79
SSH2	11.183	22.1
SSH3	3.967	0.45
SSNA1	0.858	23.06
SSPN	2.695	0
SSPO	12.25	0.76
SSR1	3.236	12.63
SSR2	1.092	84.99
SSR3	3.064	8.3
SSR4	0.902	79.74
SSRP1	2.819	19.58
SSSCA1	0.654	6.05
SST	0.632	0
SSTR1	4.291	0
SSTR2	2.996	0
SSTR3	2.123	0
SSTR4	1.167	0
SSTR5	1.095	0
SSU72	2.801	19.82
SSX1	1.253	0
SSX2	1.553	0
SSX2IP	5.631	0.44
SSX3	1.513	0
SSX4	1.91	0
SSX4B	1.902	0
SSX5	1.384	0
SSX6	1.281	0
SSX7	1.34	0
SSX8	1.254	0
SSX9	1.23	0
ST13	3.196	8.48
ST13P	1.73	0
ST14	3.3	2.49
ST18	6.187	0
ST3GAL1	7.745	32.5
ST3GAL2	2.479	1.28
ST3GAL3	3.596	5.31
ST3GAL4	1.743	4.49
ST3GAL5	2.362	8.8
ST3GAL6	2.095	1.8
ST5	4.705	0.48
ST6GAL1	4.629	2.39
ST6GAL2	1.794	0
ST6GALNAC1	2.544	0
ST6GALNAC2	1.867	0.05
ST6GALNAC3	3.207	0.06

ST6GALNAC4	2.104	8.27
ST6GALNAC5	2.032	0
ST6GALNAC6	2.398	15.43
ST7	6.322	0.74
ST7L	4.861	1.24
ST7OT1	3.778	1.47
ST7OT2	1.836	0.11
ST7OT4	3.148	0.06
ST8SIA1	2.106	0.04
ST8SIA2	5.626	0
ST8SIA3	3.504	0
ST8SIA4	7.744	3.19
ST8SIA5	2.623	0.15
ST8SIA6	1.398	0.21
STAB1	8.123	109.34
STAB2	8.23	0.01
STAC	2.963	0
STAC2	3.211	0
STAC3	1.643	1.32
STAG1	5.166	6.47
STAG2	5.81	25.1
STAG3	9.536	54.03
STAM	2.966	36.16
STAM2	3.91	1.52
STAMBP	2.618	2
STAMBPL1	1.997	0.15
STAP2	1.612	2.83
STAR	2.826	0.21
STARD10	1.419	2.51
STARD13	6.771	0.25
STARD3	3.331	35.17
STARD3NL	3.234	4.75
STARD4	2.264	0.79
STARD5	2.187	0.54
STARD6	0.663	0
STARD7	3.776	31.28
STARD8	4.858	3.61
STARD9	15.083	4.92
STARP1	1.104	0
STAT1	4.504	1.72
STAT2	4.426	9.08
STAT3	7.832	10.47
STAT4	2.761	1.22
STAT5A	4.298	29.63
STAT5B	5.094	7.24
STAT6	3.979	18.62
STATH	0.6	0
STATIP1	3.624	15.87
STAU1	4.177	14.69
STAU2	4.042	0.79

STC1	3.877	0
STC2	5.343	0.67
STCH	3.987	2.83
STEAP1	2.626	0
STEAP2	13.714	0
STEAP3	4.853	0.02
STEAP4	4.88	0.02
STELLAR	1.219	0
STGC3	1.232	0
STH	0.387	0
STIL	5.185	0.75
STIM1	4.671	20.35
STIM2	5.156	7.63
STIP1	2.111	7.17
STK10	4.383	12.59
STK11	3.276	9.7
STK11IP	3.602	4.89
STK16	2.031	13.05
STK16P	1.55	0.26
STK17A	5.286	5.28
STK17B	2.938	38.35
STK19	5.184	0.04
STK19P	0.915	0
STK24	6.82	35.55
STK25	2.519	18.3
STK3	2.82	1.16
STK31	7.728	0
STK32A	0.798	0
STK32B	5.333	49.29
STK32C	2.119	0.14
STK33	2.707	0.59
STK35	6.015	10.03
STK36	4.873	1.97
STK38	4.847	12.9
STK38L	4.706	3
STK39	3.273	4.6
STK4	6.331	7.79
STK40	3.846	18.34
STK6LP	1.198	0
STK6P	1.537	1.67
STMN1	1.918	22.43
STMN2	0.719	0
STMN3	2.255	57.83
STMN4	1.314	0
STOM	5.199	10.09
STOML1	1.986	0.69
STOML2	1.278	10.53
STOML3	1.901	0
STON1	5.822	0.12
STON2	3.12	2.57

STOX1	3.293	0.06
STOX2	4.654	0.06
STRA13	0.73	5.96
STRA6	2.772	0
STRA8	1.986	0
STRAP	1.849	63.52
STRBP	3.007	10.96
STRC	5.515	0.11
STRN	4.082	6.06
STRN3	3.947	4.66
STRN4	3.305	19.73
STS	6.352	0.75
STS-1	6.865	25.11
STSP	0.775	0
STT3A	2.463	10.76
STT3B	4.268	35.93
STUB1	1.602	11.42
STX10	0.921	18.48
STX11	1.916	2.22
STX12	2.847	19.63
STX16	5.029	43.04
STX17	2.662	5.8
STX18	2.158	7.47
STX19	1.158	0
STX1A	4.13	0.14
STX1B2	1.699	0.18
STX2	5.835	0.28
STX3	3.747	42.93
STX4	1.386	29.77
STX5	1.794	25.09
STX6	4.536	4.05
STX7	2.756	10.12
STX8	0.968	6.85
STXBP1	5.826	0.17
STXBP2	2.395	21.44
STXBP3	2.48	5.39
STXBP4	6.046	0.16
STXBP5	4.822	0.25
STXBP5L	5.179	0
STXBP6	1.97	0
STYK1	2.743	0.94
STYX	2.591	1.15
STYXL1	2.832	1.12
SUB1	1.574	16.91
SUCLA2	2.164	2.83
SUCLG1	1.444	27.2
SUCLG2	2.319	5.37
SUCNR1	1.418	0.14
SUDS3	4.728	5.94
SUFU	4.898	1.35

SUGT1	1.52	8.46
SUGT1L1	0.519	2.86
SUHW1	2.148	0
SUHW2	5.733	0.02
SUHW3	4.634	0.66
SUHW4	6.373	3.24
SULF1	5.7	0
SULF2	3.897	1.8
SULT1A1	2.715	2.51
SULT1A2	1.396	0.57
SULT1A3	1.755	5.92
SULT1A4	1.82	5.71
SULT1B1	1.309	0
SULT1C1	2.926	0
SULT1C2	1.664	0.48
SULT1C3	0.915	0
SULT1D1P	22	0.01
SULT1E1	1.78	0
SULT2A1	1.779	0
SULT2B1	1.548	0
SULT4A1	2.465	0.04
SULT6B1	0.934	0
SUMF1	2.148	2.49
SUMF2	4.01	12.85
SUMO1	2.151	12.38
SUMO1P1	1.197	0
SUMO1P2	0.944	0.21
SUMO1P3	1.21	4.42
SUMO1P4	1.458	1.09
SUMO2	1.066	22.18
SUMO2P	3.075	0
SUMO3	1.807	42.22
SUMO4	0.688	0.14
SUNC1	3.068	0.19
SUOX	2.462	6.23
SUPT16H	4.68	12.5
SUPT3H	2.563	4.4
SUPT4H1	2.243	31.32
SUPT5H	4.328	34.06
SUPT6H	5.877	32.8
SUPT7L	4.546	12.53
SUPV3L1	2.474	12.64
SURB7	1.753	3.05
SURF1	1.037	12.59
SURF2	0.831	5.48
SURF4	2.969	23.43
SURF5	4.882	2.61
SURF6	2.314	4.96
SUSD1	2.996	1.62
SUSD2	3.183	0.28

SUSD3	2.09	31.53
SUSD4	3.343	0.03
SUSD5	5.149	0.02
SUV39H1	2.726	3.34
SUV39H2	3.087	0.58
SUV420H1	6.022	4.76
SUV420H2	2.266	1.92
SUZ12	4.441	6.64
SUZ12P	38.28	0.94
SV2A	4.857	32.12
SV2B	5.311	1.34
SV2C	2.362	0.08
SVEP1	10.707	0
SVIL	8.547	1.12
SVOP	2.532	0
SVOPL	2.842	0
SWAP70	6.114	25.41
SYAP1	2.023	14.87
SYBL1	5.152	5.99
SYCE1	2.682	0
SYCN	1.105	0
SYCP1	3.491	0
SYCP2	5.48	0.04
SYCP3	1.122	1.68
SYDE1	3.254	1.49
SYDE2	4.02	0.03
SYF2	1.77	64.67
SYF2P	0.439	6.08
SYK	3.72	12.55
SYMPK	3.985	13.46
SYN1	4.271	0.12
SYN2	5.085	0
SYN3	4.19	0
SYNC1	2.937	7.85
SYNCRIP	5.372	27.73
SYNE1	29.529	0.81
SYNE2	24.122	3.55
SYNGAP1	6.01	2.01
SYNGR1	5.823	9.26
SYNGR2	1.694	12.62
SYNGR3	2.029	0.49
SYNGR4	1.009	0
SYNJ1	10.147	1.85
SYNJ2	6.738	1.17
SYNJ2BP	1.354	3.95
SYNPO	3.524	0.48
SYNPO2	7.295	0.05
SYNPO2L	3.47	0
SYNPR	2.336	0
SYP	2.433	0.2

SYPL1	4.67	14.06
SYPL2	1.665	0
SYT1	3.225	0.98
SYT10	3.286	0
SYT11	5.096	9.33
SYT12	3.432	0
SYT13	5.08	0
SYT14	2.966	0
SYT15	5.122	0.38
SYT16	1.878	0
SYT17	1.912	0.05
SYT2	2.434	0.04
SYT3	2.915	0
SYT4	3.825	0
SYT5	1.825	0
SYT6	1.897	0
SYT7	4.532	0
SYT8	1.423	0
SYT9	3.955	0
SYTL1	1.898	15.74
SYTL2	7.493	0.29
SYTL3	2.223	8.54
SYTL4	3.885	0
SYTL5	2.193	0
SYVN1	4.525	30.65
T	2.518	0
TAAR1	1.02	0
TAAR2	1.056	0
TAAR3	1.114	0
TAAR4P	1.049	0
TAAR5	1.014	0
TAAR6	1.038	0
TAAR7P	0.21	0
TAAR8	1.029	0
TAAR9	1.049	0
TAC1	2.168	0
TAC3	1.008	0
TAC4	0.225	0
TACC1	7.743	10.93
TACC2	10.096	0.05
TACC3	3.447	11.05
TACR1	2.301	0
TACR2	1.197	0.08
TACR3	1.753	0
TACSTD1	1.528	0.06
TACSTD2	2.803	0
TADA1L	2.074	1.67
TADA2L	2.063	0.86
TADA3L	3.323	2.92
TAF1	7.016	8.56

TAF10	0.896	73.65
TAF11	1.994	32.95
TAF12	1.09	4.36
TAF13	0.577	7.2
TAF13P	0.294	0.68
TAF15	3.021	86.13
TAF1A	2.116	0.14
TAF1B	2.297	0.86
TAF1C	5.11	15.55
TAF1L	6.216	1.64
TAF2	5.019	5
TAF2GL	0.753	0
TAF3	7.355	0.78
TAF4	4.628	1.71
TAF4B	4.772	0.93
TAF5	3.268	1.18
TAF5L	6.848	3.25
TAF6	6.672	2.41
TAF6L	2.016	2.41
TAF7	2.295	52.47
TAF7L	2.341	0
TAF9	5.584	6.41
TAF9B	2.689	3.75
TAF9P1	1.38	0
TAF9P2	1.216	0
TAGAP	3.956	40.51
TAGLN	2.028	5.17
TAGLN2	1.36	208.71
TAGLN3	1.754	0
tAKR	0.918	0.44
TAL1	5.001	0.08
TAL2	0.327	0.3
TALDO1	1.243	23.24
TANC1	7.507	0.76
TANC2	11.577	0.04
TA-NFKBH	1.834	7.66
TANK	2.394	2.81
TAOK1	4.662	1.65
TAOK2	6.759	2.18
TAOK3	4.185	5.48
TAP1	8.856	1
TAP2	18.495	0.03
TAPBP	17.132	0.03
TAPBPL	1.718	5.41
TAPT1	6.089	55.94
TARBP1	6.357	23.81
TARBP2	2.244	3.93
TARBP2P	1.049	0.47
TARDBP	4.217	54.31
TARP	3.89	3.05

TARS	2.85	12.33
TARS2	2.38	5.49
TARSL2	3.294	4.12
TAS1R1	4.266	0
TAS1R2	2.521	0
TAS1R3	2.559	0.15
TAS2R1	1.355	0
TAS2R10	0.924	0
TAS2R12	0.948	0
TAS2R13	1.637	0
TAS2R14	0.954	0.11
TAS2R15	0.903	0.22
TAS2R16	1.992	0
TAS2R2	1.82	0
TAS2R3	2.202	0
TAS2R38	2.286	0.95
TAS2R39	2.028	0
TAS2R4	1.8	0
TAS2R40	1.944	0
TAS2R41	1.844	0
TAS2R42	1.469	4.71
TAS2R43	0.928	0.32
TAS2R44	0.928	0.11
TAS2R46	0.899	0.22
TAS2R48	0.9	0.44
TAS2R49	0.93	0
TAS2R5	2.3	0.35
TAS2R50	0.9	0
TAS2R60	1.914	0
TAS2R62P	1.878	0
TAS2R63P	0.885	0
TAS2R64P	0.93	0.32
TAS2R65P	0.919	0.32
TAS2R7	1.096	0
TAS2R8	0.93	0
TAS2R9	1.075	0
TASP1	2.315	2.39
TAT	2.754	0
TATDN1	1.004	2.86
TATDN2	4.484	12.31
TATDN3	3.066	1.55
TAX1BP1	5.78	9.02
TAX1BP3	1.381	11.17
TAZ	3.389	14.95
TBC1D1	6.282	23.12
TBC1D10A	1.936	11.55
TBC1D10B	3.093	16.25
TBC1D10C	1.911	24.54
TBC1D12	5.843	0.09
TBC1D13	3.778	4.61

TBC1D14	6.128	36.49
TBC1D15	3.871	30.08
TBC1D16	3.916	6.54
TBC1D17	2.219	7.18
TBC1D19	1.924	0.31
TBC1D2	3.191	0.75
TBC1D20	2.716	11.44
TBC1D21	1.207	0
TBC1D22A	2.69	10.63
TBC1D22B	3.462	12.31
TBC1D23	2.257	6.97
TBC1D24	4.317	0.09
TBC1D25	4.164	8.46
TBC1D2B	5.877	1.97
TBC1D3	2.063	0.19
TBC1D3B	2.063	0
TBC1D3C	2.11	0
TBC1D3G	2.108	0
TBC1D3I	1.964	0
TBC1D3P1	9.376	0.01
TBC1D3P2	10.497	0
TBC1D4	5.922	1.75
TBC1D5	6.804	3.93
TBC1D7	1.127	3.6
TBC1D8	3.966	7.46
TBC1D8B	6.302	0.2
TBC1D9	5.513	3.24
TBC1D9B	5.167	10.59
TBCA	0.951	23.93
TBCAP1	0.557	14.92
TBCAP2	0.468	1.48
TBCAP3	0.432	1.15
TBCB	1.475	11.14
TBCC	1.575	16.59
TBCCD1	2.41	1.56
TBCD	6.272	14.15
TBCE	1.867	3.6
TBCEL	1.781	0.72
TBK1	2.982	3.95
TBKBP1	4.316	14.44
TBL1X	5.866	3.12
TBL1XR1	6.268	14.21
TBL1Y	2.407	0
TBL1YP	15.647	0.01
TBL2	6.082	0.97
TBL3	2.594	3.09
TBN	2.503	14.83
TBP	1.846	8.52
TBPL1	1.319	3.6
TBPL2	1.297	0

TBR1	3.186	0
TBRG1	4.458	13.49
TBRG4	4.604	4.44
TBX1	2.809	0
TBX10	1.548	0
TBX15	3.495	0.03
TBX18	4.07	0
TBX19	2.822	0.77
TBX2	3.38	0
TBX20	1.81	0
TBX21	2.572	6.08
TBX22	2.248	0
TBX3	4.783	0
TBX4	2.47	0
TBX5	4.673	0
TBX6	3.169	0.41
TBXA2R	2.442	7.54
TBXAS1	4.242	0.59
tcag7.1017	5.928	0.1
tcag7.1196	1.471	11.63
tcag7.1239	0.393	2.02
tcag7.350	1.23	0.72
tcag7.441	1.699	0.06
tcag7.875	1.02	0
tcag7.926	2.202	0.45
TCAM1	10.651	0.01
TCAP	0.963	17.26
TCBA1	3.315	0
TCEA1	2.777	9.66
TCEA1P	2.472	0
TCEA1P2	2.57	10.09
TCEA2	2.425	3.92
TCEA3	1.586	0.12
TCEAL1	1.353	4.31
TCEAL2	1.101	0.09
TCEAL3	1.278	13.63
TCEAL4	1.774	27.33
TCEAL5	1.168	0.08
TCEAL6	0.998	0.2
TCEAL7	1.136	0
TCEAL8	1.212	12.98
TCEB1	0.655	22.2
TCEB1P	1.83	3.35
TCEB1P2	0.7	2.83
TCEB2	1.29	23.55
TCEB3	3.798	14.64
TCEB3B	3.046	0
TCEB3C	1.877	0
TCERG1	4.201	13.71
TCERG1L	2.619	0

TCF1	3.239	0.21
TCF12	5.345	10.75
TCF15	1.227	0
TCF19	3.246	0.09
TCF2	6.029	0
TCF20	14.785	1.9
TCF21	3.645	0
TCF23	0.645	0
TCF25	4.055	25.77
TCF3	8.89	51.61
TCF4	8.009	58.47
TCF7	6.912	8.39
TCF7L1	2.761	0.58
TCF7L2	2.993	11.71
TCFL5	2.456	1.61
TCHHL1	3.603	0
TCHP	3.151	3.32
TCIRG1	3.282	41.18
TCL1A	1.311	203.61
TCL1B	2.453	20.37
TCL6	9.997	0.48
TCN1	1.543	1.02
TCN2	1.981	1.2
TCOF1	6.293	3.89
TCP1	4.371	63.53
TCP10	2.383	0
TCP10L	0.957	0
TCP10L2	1.543	0
TCP11	1.962	0.51
TCP11L1	2.405	2.43
TCP11L2	3.736	29.45
TCP1L2	2.01	0.2
TCTA	2.146	12.91
TCTE3	0.747	0.92
TCTEX1D1	2.002	0.1
TDG	3.22	4.27
TDGF1	2.027	0
TDGF3	2.71	0
TDGF5	0.978	0.2
TDH	30.173	0
TDO2	1.693	0
TDP1	3.747	1.3
TDPX2	0.958	2.69
TDRD1	4.51	0.09
TDRD10	2.331	0
TDRD3	2.461	2.82
TDRD5	3.516	0
TDRD6	6.817	0
TDRD7	3.762	1.16
TDRD9	3.338	0.06

TDRKH	2.318	0.12
TEAD1	8.85	0.01
TEAD2	2.164	0.68
TEAD3	2.915	0.1
TEAD4	2.151	1.33
TEC	3.574	1.16
TECT1	1.853	0.75
TECTA	6.468	0
TECTB	0.99	0
TEDDM1	2.33	0
TEF	4.364	0.28
TEGT	2.58	61.05
TEK	4.62	0.04
TEKT1	1.413	0
TEKT2	1.509	0.13
TEKT3	1.696	0
TEKT4	1.455	0
TEKT5	1.609	0.12
TELO2	3.719	9.73
TENC1	5.372	2.92
Tenr	1.961	0
TEP1	8.595	3.68
TEPP	1.021	0
TERC	0.451	0.22
TERF1	2.69	2.65
TERF1P	2.959	0.07
TERF2	3.541	16.99
TERF2IP	2.116	34.41
TERT	4.872	0.22
TES	5.588	0.62
TESC	1.068	1.3
TESK1	2.516	3.11
TESK2	3.019	3.44
TESSP1	1.112	0
TESSP2	0.882	0
TESSP5	0.783	0.12
TETRA	1.944	27.59
TEX10	3.024	3.31
TEX101	1.565	0
TEX11	3.198	0
TEX12	1.144	0
TEX13A	1.379	0
TEX13B	1.248	0
TEX14	4.927	0.2
TEX15	10.112	0
TEX2	5.09	1.36
TEX261	3.367	9.16
TEX264	2.526	13.04
TEX9	1.414	0.07
TF	2.318	0.38

TFAM	1.936	4.91
TFAP2A	2.933	0.74
TFAP2B	1.975	0
TFAP2C	2.866	0
TFAP2D	2.04	0
TFAP2E	2.189	0.36
TFAP4	2.14	0.78
TFB1M	1.288	1.08
TFB2M	1.781	4.84
TFCP2	2.372	2.17
TFCP2L1	4.913	0
TFDP1	2.367	3.47
TFDP2	3.461	10.35
TFDP3	1.68	0.06
TFE3	3.393	10.27
TFEB	2.646	20.53
TFEC	13.262	0.03
TFF1	0.492	0
TFF2	0.607	0
TFF3	0.668	0
TFG	2.204	20.47
TFIP11	3.458	56.57
TFPI	1.879	0.05
TFPI2	2.346	0
TFPT	1.069	7.4
TFR2	5.748	1.56
TFRC	5.012	7.23
TG	8.453	0.08
TGDS	1.902	1.04
TGFA	4.089	0.03
TGFB1	2.346	25.69
TGFB111	1.802	3.02
TGFB2	1.69	0
TGFB3	2.58	2.45
TGFB1	2.691	0.52
TGFBR1	6.475	1.72
TGFBR2	4.704	16.26
TGFBR3	4.199	0.76
TGFBRAP1	4.748	21.98
TGIF1	3.633	11.33
TGIF1P1	1.278	0.47
TGIF2	3.393	12.6
TGIF2LX	0.847	0
TGIF2LY	0.861	0
TGIF2P1	12.192	0.02
TGM1	2.701	0.11
TGM2	4.359	0.18
TGM3	2.615	0
TGM4	2.979	0
TGM5	2.204	0

TGM6	2.292	0
TGM7	2.312	0
TGOLN2	6.316	31.22
TGS1	3.782	4.55
TH	2	0
TH1L	3.083	24.49
THA1P	1.555	0
THADA	7.564	3.39
THAP1	3.83	1.11
THAP10	2.028	0
THAP11	1.886	7.03
THAP2	4.724	0.17
THAP3	2.052	1.97
THAP4	2.158	47.86
THAP5	3.136	0.38
THAP6	3.547	0.98
THAP7	2.209	2.37
THAP8	1.825	0.16
THAP9	4.613	4.47
THBD	4.032	0.39
THBS1	5.79	32.01
THBS2	5.809	0
THBS3	3.147	5.97
THBS4	3.355	0.53
THEG	1.322	0
THEM2	0.739	2.41
THEM4	3.783	0
THEM5	2.456	0
THEX1	2.119	0.37
THG1L	1.305	3.72
THNSL1	2.551	0
THOC1	2.081	12.55
THOC2	5.191	12.64
THOC3	1.563	15.89
THOC4	1.088	18.55
THOC5	2.754	5.89
THOC6	1.354	2.12
THOC7	0.92	11.83
THOP1	2.55	8.35
THPO	3.009	0
THRA	5.185	8.03
THRAP1	7.834	13.73
THRAP2	11.353	42.72
THRAP3	4.4	44.95
THRAP4	3.978	15.35
THRAP5	2.924	3.28
THRAP6	0.907	14.62
THRB	6.341	0
THRSP	1.174	0
THSD1	3.039	1.17

THSD1P	30.249	1.79
THSD3	5.171	0.2
THSD4	9.145	0
THSD7A	12.77	0.04
THSD7B	5.846	0
THTPA	2.132	3.48
THUMPD1	4.416	7.84
THUMPD2	2.474	15.63
THUMPD3	2.898	5.29
THY1	1.772	0.22
THYN1	1.769	5.48
TIA1	2.564	16.91
TIAF1	2.089	34.25
TIAL1	4.301	23.81
TIAM1	5.453	0.36
TIAM2	6.224	12
TICAM1	4.115	0.99
TICAM2	3.453	1
TIE1	3.882	2.37
TIFA	3.073	6.35
TIFAB	1.413	0
TIGD1	2.448	3.07
TIGD2	2.072	1.15
TIGD3	1.823	0.05
TIGD4	2.433	0
TIGD5	2.264	0.83
TIGD6	3.493	0.48
TIGD7	2.569	2.66
TIMD4	1.292	0
TIMELESS	4.354	1.75
TIMM10	0.674	11.45
TIMM13	2.369	11.82
TIMM17A	1.63	6.19
TIMM17B	0.948	9.39
TIMM22	1.69	5.8
TIMM23	1.715	26.31
TIMM44	2.158	10.27
TIMM50	2.572	4.31
TIMM8A	1.166	2.12
TIMM8B	0.414	9.56
TIMM9	1.078	15.79
TIMP1	0.916	23.22
TIMP2	3.655	21.22
TIMP3	5.486	19.4
TIMP4	1.429	0
TINAG	1.767	0
TINAGL1	2.163	1.96
TINF2	2.095	9.02
TINP1	1.104	52.87
TIP39	0.459	0.21

TIPARP	3.836	6.4
TIPIN	1.054	1.22
TIPRL	3.22	2.67
TIRAP	3.217	0.25
TITF1	2.338	0
TJAP1	2.72	9.6
TJP1	7.165	0
TJP2	6.041	20.41
TJP3	2.859	0.04
TK1	1.42	3.9
TK2	3.675	9.05
TKT	1.98	173.84
TKTL1	2.515	0.04
TKTL2	2.739	0
TLCD1	1.007	0.29
TLE1	3.892	47.31
TLE2	2.562	0.12
TLE3	2.357	4.95
TLE4	7.439	24.84
TLE6	1.976	0
TLK1	4.045	7.22
TLK2	3.604	8.32
TLL1	6.654	0
TLL2	6.753	0.02
TLN1	8.17	15.01
TLN2	8.5	0.06
TLOC1	0.1	1018.07
TLR1	2.851	5.48
TLR10	3.594	0.41
TLR2	3.403	3.37
TLR3	3.041	0
TLR4	5.503	2.83
TLR5	3.368	0
TLR6	2.753	1.26
TLR7	4.992	0.02
TLR7-like	3.281	0.03
TLR8	4.542	0.42
TLR9	3.868	0.2
TLX1	2.906	0
TLX2	1.752	0
TLX3	1.493	0
TM2D1	1.25	1.26
TM2D2	4.333	1.89
TM2D3	1.407	7.87
TM4SF1	1.691	2.04
TM4SF18	1.153	0
TM4SF19	0.961	0.83
TM4SF20	2.294	0
TM4SF4	1.428	0
TM4SF5	0.708	0

TM6SF1	1.418	0
TM6SF2	2.61	0
TM7SF2	2.094	2.65
TM7SF3	2.525	3.14
TM7SF4	1.952	0
TM9SF1	3.053	2.76
TM9SF2	2.591	23.18
TM9SF3	4.996	25.77
TM9SF4	3.727	10.25
TMBIM1	2.349	46.96
TMBIM4	1.298	3.81
TMC1	3.201	0
TMC2	3.169	0
TMC3	3.303	0
TMC4	2.358	0.12
TMC5	3.33	0.06
TMC6	5.414	36.71
TMC7	3.569	0
TMC8	3.561	20.67
TMCC1	6.99	2.31
TMCC2	3.792	1.01
TMCC3	4.726	0.92
TMCO1	1.42	3.41
TMCO2	0.739	0
TMCO3	3.047	9.09
TMCO4	2.947	4.84
TMCO5	1.158	0
TMCO6	1.889	2.1
TMCO7	1.839	0.16
TMDCII	104.716	0
TMED1	1.357	3.8
TMED10	4.085	19.42
TMED10P	1.273	5.44
TMED2	2.039	21.3
TMED3	1.388	8.83
TMED4	2.769	20.91
TMED5	3.953	3.75
TMED6	0.906	4.04
TMED7	3.585	4.83
TMED8	1.291	4.98
TMED9	1.402	45.52
TMEFF1	2.285	0.04
TMEFF2	1.813	0
TMEM1	7.77	7.74
TMEM10	4.071	0.12
TMEM100	1.67	3.32
TMEM101	1.539	5.01
TMEM102	1.973	0.65
TMEM103	1.349	3.88
TMEM104	3.876	7.61

TMEM105	3.317	0
TMEM106A	2.795	3.29
TMEM106B	12.87	0.44
TMEM106C	1.43	8.3
TMEM107	1.722	1.09
TMEM108	2.148	0
TMEM109	2.082	23
TMEM11	1.193	15.09
TMEM110	4.966	16.93
TMEM111	1.082	17.83
TMEM112	2.6	6.74
TMEM112B	2.658	19.14
TMEM113	3.326	27.43
TMEM115	2.095	13.7
TMEM116	1.716	0.17
TMEM117	2.697	0.04
TMEM118	1.761	0.17
TMEM119	2.586	0.2
TMEM121	1.519	0.33
TMEM123	3.321	61.58
TMEM125	1.639	0.06
TMEM126A	0.726	11.18
TMEM126B	1.12	2.29
TMEM127	4.208	19.79
TMEM128	1.732	1.6
TMEM129	3.086	15.87
TMEM130	5.988	0
TMEM131	6.257	4.76
TMEM132A	3.716	0.05
TMEM132B	7.578	0
TMEM132C	5.271	0
TMEM132D	5.778	0
TMEM132E	4.369	0
TMEM133	1.856	0.11
TMEM134	0.945	5.24
TMEM135	3.597	1.26
TMEM136	0.886	0.12
TMEM137	1.989	1.3
TMEM138	1.162	12.6
TMEM139	4.726	0.02
TMEM140	3.36	5.18
TMEM141	0.768	8.89
TMEM142A	1.475	18.31
TMEM142B	5.056	2.7
TMEM142C	2.178	4.31
TMEM143	2.249	0.97
TMEM144	3.043	0.36
TMEM145	1.768	0.12
TMEM146	2.513	0.04
TMEM147	0.851	13.48

TMEM148	1.787	0
TMEM149	1.196	2.23
TMEM14A	0.994	0.8
TMEM14B	0.917	11.87
TMEM14C	0.983	10.67
TMEM150	2.361	3.86
TMEM151	2.562	0
TMEM154	3.085	1.76
TMEM155	2.026	0.14
TMEM156	2.276	21.17
TMEM157	1.236	1.6
TMEM158	1.797	0.11
TMEM159	1.812	2.02
TMEM160	0.655	6.65
TMEM161A	1.779	1.28
TMEM161B	2.589	2.14
TMEM162	1.179	0
TMEM163	3.371	9.8
TMEM164	1.308	1.06
TMEM165	2.196	7.62
TMEM166	1.815	0
TMEM167	2.075	8.44
TMEM168	7.842	1.08
TMEM169	3.306	0
TMEM16A	4.474	0.02
TMEM16B	3.717	0.29
TMEM16C	6.642	0
TMEM16D	3.898	0
TMEM16E	3.147	0
TMEM16F	5.973	3.38
TMEM16G	3.767	0
TMEM16H	4.389	3.65
TMEM16J	2.814	0.45
TMEM16K	2.734	1.63
TMEM17	1.405	0.49
TMEM170	1.06	1.59
TMEM171	1.249	0
TMEM173	1.688	18.28
TMEM174	1.322	0
TMEM175	2.025	17.39
TMEM176A	2.076	0.48
TMEM176B	2.662	0.52
TMEM177	1.385	0.92
TMEM178	1.631	6.55
TMEM179	1.623	0
TMEM18	2.124	7.18
TMEM180	2.834	0.56
TMEM181	5.59	2.85
TMEM182	3.275	0.03
TMEM183A	2.711	14.23

TMEM183B	1.706	9.17
TMEM185A	2.821	0.32
TMEM185B	2.131	5.94
TMEM186	1.149	1.47
TMEM19	4.659	1.04
TMEM2	12.395	94.55
TMEM20	2.399	0
TMEM22	1.939	0.87
TMEM23	3.753	0.74
TMEM24	3.344	2.34
TMEM25	2.409	0.82
TMEM26	5.148	0
TMEM27	1.568	0
TMEM28	4.019	0
TMEM29	2.251	9.76
TMEM30A	4.402	10.94
TMEM30B	3.033	0.06
TMEM30C	1.062	0
TMEM31	0.732	0
TMEM32	3.648	8.49
TMEM33	2.937	6.34
TMEM34	2.914	3.8
TMEM35	2.041	0
TMEM37	0.573	0.17
TMEM38A	1.639	0.06
TMEM38B	2.076	2.05
TMEM39A	2.957	8.17
TMEM39B	2.124	6.71
TMEM4	1.209	10.39
TMEM40	1.71	0.06
TMEM41A	1.389	3.49
TMEM41B	1.8	8.35
TMEM42	0.973	3.46
TMEM43	3.236	6.39
TMEM44	2.345	2.66
TMEM45A	1.564	0
TMEM45B	2.207	0
TMEM46	6.063	54.77
TMEM47	4.054	0
TMEM48	2.521	1.49
TMEM49	2.509	5.13
TMEM5	1.451	1.23
TMEM50A	2.28	25.78
TMEM50B	2.332	7.72
TMEM51	1.81	0
TMEM52	0.922	0
TMEM53	1.6	0.37
TMEM54	0.993	0.1
TMEM55A	2.254	1.4
TMEM55B	2.781	35.33

TMEM56	2.443	0
TMEM57	3.138	24.27
TMEM58	1.138	0.35
TMEM59	1.696	29.63
TMEM60	1.746	1.41
TMEM61	1.097	0
TMEM62	2.769	7.29
TMEM63A	4.521	12.35
TMEM63B	3.199	6.52
TMEM63C	5.334	2.06
TMEM64	1.551	1.02
TMEM65	3.228	0.68
TMEM66	2.614	157.87
TMEM67	3.453	0.17
TMEM68	2.317	0.76
TMEM69	1.6	8.16
TMEM70	2.028	8.49
TMEM71	1.993	0.25
TMEM74	2.087	0
TMEM75	2.165	0.04
TMEM77	1.759	9.73
TMEM78	2.175	0.09
TMEM79	2.156	0.6
TMEM8	2.53	4.14
TMEM80	1.572	5.35
TMEM81	1.332	0.29
TMEM83	1.786	0
TMEM85	1.881	34.25
TMEM86A	3.582	4.47
TMEM86B	1.641	2.9
TMEM87A	2.875	14.93
TMEM87B	2.933	1.72
TMEM88	0.874	0.22
TMEM89	0.48	0
TMEM9	1.527	7.84
TMEM92	2.685	0.55
TMEM93	0.892	19.74
TMEM95	1.169	0
TMEM97	2.115	1.03
TMEM98	1.795	0
TMEM99	0.855	1.04
TMEM9B	1.753	7.06
TMEPAI	5.444	0.07
TMF1	3.282	17.37
TMIE	1.649	0
TMIGD1	1.201	0
TMIGD2	1.262	0.23
TMLHE	2.835	2.51
TMOD1	2.664	1.64
TMOD2	2.917	0.2

TMOD3	2.443	5.23
TMOD4	1.201	0.17
TMPIT	2.56	2.28
TMPO	4.626	4.68
TMPRSS11A	2.428	0
TMPRSS11B	2.642	0
TMPRSS11D	2.783	0
TMPRSS11E	2.103	0
TMPRSS11F	2.077	0
TMPRSS12	1.451	0
TMPRSS13	3.263	0.12
TMPRSS2	3.194	0
TMPRSS3	3.603	0.05
TMPRSS4	2.846	0
TMPRSS5	2.232	0.93
TMPRSS6	3.191	0.19
TMPRSS7	2.717	0
TMPRSS9	3.18	0.16
TMSB10	0.482	1338.53
TMSB4X	1.389	150.43
TMSB4Y	1.669	1.48
TMSL1	0.547	0.54
TMSL2	0.538	1.29
TMSL3	0.634	30.27
TMSL4	0.54	3.85
TMSL5	0.438	1.13
TMSL7	0.482	0
TMSL8	0.666	0.15
TMTC1	8.821	0
TMTC2	4.84	0.16
TMTC3	4.971	0.32
TMTC4	2.624	1.17
TMUB1	2.944	7.79
TMUB2	7.444	22.29
TNC	7.544	0
TncRNA	16.886	198.1
TNF	5.007	0
TNFAIP1	3.569	8.2
TNFAIP2	4.175	16.3
TNFAIP3	4.809	85.67
TNFAIP6	1.423	0
TNFAIP8	1.99	1.84
TNFAIP8L1	2.187	2.85
TNFAIP8L2	1.152	2.92
TNFAIP8L3	2.259	1.23
TNFRSF10A	1.709	3.64
TNFRSF10B	4.331	15.46
TNFRSF10C	1.387	0.64
TNFRSF10D	3.535	6.41
TNFRSF11A	3.126	2.63

TNFRSF11B	2.274	0
TNFRSF12A	0.986	0.6
TNFRSF13B	1.358	0.58
TNFRSF13C	0.895	22.99
TNFRSF14	3.566	44.45
TNFRSF17	0.994	0
TNFRSF18	1.835	0.05
TNFRSF19	4.878	0
TNFRSF19L	7.93	12.59
TNFRSF1A	2.204	25.22
TNFRSF1B	3.675	14.11
TNFRSF21	3.634	34.63
TNFRSF25	2.086	1.18
TNFRSF4	1.068	0.19
TNFRSF6B	1.558	5.21
TNFRSF8	4.046	0.03
TNFRSF9	1.884	0.05
TNFSF10	1.759	1.74
TNFSF11	2.279	0
TNFSF12	1.386	2.28
TNFSF12-TNFSF13	1.823	2.87
TNFSF13	2.959	2.64
TNFSF13B	1.204	0
TNFSF14	1.593	0.19
TNFSF15	2.004	0
TNFSF18	0.61	0
TNFSF4	3.663	19.29
TNFSF5IP1	1.684	18.16
TNFSF8	2.323	11.15
TNFSF9	1.632	0.12
TNIK	4.083	0
TNIP1	2.913	32.71
TNIP2	1.932	7.93
TNIP3	2.393	0
TNK1	2.769	0.71
TNK2	5.287	34.43
TNKS	9.599	3.5
TNKS1BP1	5.952	0.76
TNKS2	6.156	11.85
TNMD	1.304	0
TNN	5.008	0.04
TNNC1	0.686	0
TNNC2	0.683	0.29
TNNI1	6.143	0
TNNI2	0.7	1.13
TNNI3	0.786	0
TNNI3K	3.001	0.13
TNNT1	0.98	0.1
TNNT2	1.168	0
TNNT3	1.001	0.39

TNP1	0.402	0
TNP2	0.597	0
TNPO1	3.384	4.85
TNPO2	4.871	11.33
TNPO3	7.636	5.11
TNR	4.716	0
TNRC15	5.959	10.77
TNRC18	5.7	0.03
TNRC4	3.297	0.03
TNRC5	3.432	24.48
TNRC6A	10.143	4.42
TNRC6B	18.507	3.91
TNRC6C	5.318	1.67
TNRC9	5.328	0
TNS1	7.506	3.36
TNS3	15.254	1.08
TNS4	4.013	0
TNT	2.463	0
TNXA	5.686	0
TNXB	31.907	0.02
TOB1	1.83	7.46
TOB2	4.565	14.04
TOE1	2.116	5.42
TOLLIP	3.604	4.67
TOM1	2.311	6.93
TOM1L1	2.17	0
TOM1L2	2.944	1.18
TOMM20	3.258	43.97
TOMM22	1.378	44.94
TOMM34	2.049	4.3
TOMM40	2.299	12.48
TOMM40L	2.679	1.33
TOMM7	1.458	93.44
TOMM70A	4.36	5.68
TOP1	4.895	29.65
TOP1MT	1.91	17.4
TOP1P1	2.431	4.64
TOP1P2	1.521	0.2
TOP2A	5.698	1.46
TOP2B	8.431	67.57
TOP3A	4.116	1.73
TOP3B	3.107	8.06
TOP3B2	0.48	1.03
TOPBP1	5.261	7.03
TOPORS	4.148	3.88
TOR1A	2.106	4.23
TOR1AIP1	3.807	8.11
TOR1AIP2	5.052	23.56
TOR1B	2.769	1.75
TOR2A	2.467	1.32

TOR3A	2.249	11.3
TOX	4.131	2.2
TP53	2.621	4.53
TP53BP1	6.27	3.52
TP53BP2	5.682	34.93
TP53I11	2.656	4.4
TP53I13	1.643	14.63
TP53I3	1.878	5.27
TP53INP1	5.589	582.03
TP53INP2	4.124	12.11
TP53RK	3.373	0.85
TP53TG3	2.034	0
TP73	2.234	0.18
TP73L	4.906	0
TPBG	2.376	18.66
TPCN1	3.114	4.48
TPCN2	2.931	3.44
TPD52	4.491	7.31
TPD52L1	2.41	0
TPD52L2	6.246	26.88
TPD52L3	4.077	0
TPH1	1.335	0.15
TPH2	2.36	0
TPI1	1.22	28.46
TPK1	4.834	0.13
TPM1	3.627	0.3
TPM2	2.621	40.47
TPM3	4.401	35.13
TPM4	6.324	60.88
TPM5P	1.034	0.19
TPMT	3.25	0.22
TPMTP1	0.741	0.27
TPO	4.638	3.99
TPP1	3.498	33.54
TPP2	4.871	14.36
TPPP	5.019	2.2
TPR	7.492	10.06
TPRKB	1.094	13.3
TPRX1	1.839	0
TPRX1P2	0.925	0
TPRX2P	1.909	0
TPRXL	130.743	0.01
TPSAB1	1.194	0.16
TPSB2	1.166	0.08
TPSD1	0.855	0
TPSG1	1.105	0
TPST1	4.878	13.25
TPST2	2.075	29.94
TPT1	1.24	4142.27
TPTE	2.836	0

TPTE2	2.212	0
TPX2	3.662	3.11
TR2IT1	1.134	0
TRA@	0.1	0
TRA16	1.299	1.45
TRA2A	6.21	42.27
TRABD	4.237	119.84
TRAC	0.954	4.98
TRADD	2.44	1.09
TRAF1	4.449	1.4
TRAF2	2.277	2.87
TRAF3	2.567	3.81
TRAF3IP1	2.535	0.9
TRAF3IP2	3.546	31.55
TRAF3IP3	2.058	3.75
TRAF4	2.135	5.7
TRAF5	4.09	3.48
TRAF6	3.004	10.7
TRAF7	5.49	6.68
TRAFD1	2.62	11.03
TRAIP	2.024	0.98
TRAJ1	0.1	0
TRAJ10	0.1	0
TRAJ11	0.1	0
TRAJ12	0.1	0
TRAJ13	0.1	0
TRAJ14	0.1	0
TRAJ15	0.1	0
TRAJ16	0.1	0
TRAJ17	0.1	0
TRAJ18	0.1	0
TRAJ19	0.1	0
TRAJ2	0.1	0
TRAJ20	0.1	0
TRAJ21	0.1	0
TRAJ22	0.1	0
TRAJ23	0.1	0
TRAJ24	0.1	0
TRAJ25	0.1	0
TRAJ26	0.1	0
TRAJ27	0.1	0
TRAJ28	0.1	0
TRAJ29	0.1	0
TRAJ3	0.1	0
TRAJ30	0.1	0
TRAJ31	0.1	0
TRAJ32	0.1	0
TRAJ33	0.1	0
TRAJ34	0.1	0
TRAJ35	0.1	0

TRAJ36	0.1	0
TRAJ37	0.1	0
TRAJ38	0.1	0
TRAJ39	0.1	0
TRAJ4	0.1	0
TRAJ40	0.1	0
TRAJ41	0.1	0
TRAJ42	0.1	0
TRAJ43	0.1	0
TRAJ44	0.1	0
TRAJ45	0.1	0
TRAJ46	0.1	0
TRAJ47	0.1	0
TRAJ48	0.1	0
TRAJ49	0.1	0
TRAJ5	0.1	0.99
TRAJ50	0.1	0
TRAJ51	0.1	0
TRAJ52	0.1	0
TRAJ53	0.1	0
TRAJ54	0.1	0
TRAJ55	0.1	0
TRAJ56	0.1	0
TRAJ57	0.1	0
TRAJ58	0.1	0
TRAJ59	0.1	0
TRAJ6	0.1	0
TRAJ60	0.1	0
TRAJ61	0.1	0
TRAJ7	0.1	0
TRAJ8	0.1	0
TRAJ9	0.1	0
TRAK1	5.95	16.78
TRAK2	6.462	23.81
TRAM1	2.789	16.67
TRAM1L1	2.023	0.44
TRAM2	7.057	8.03
TRAP1	2.211	12.4
TRAPPC1	0.813	17.28
TRAPPC2	2.833	6.04
TRAPPC2L	0.629	11.32
TRAPPC3	1.262	14.66
TRAPPC4	1.198	12.64
TRAPPC6A	0.795	22.77
TRAPPC6B	3.151	3.58
TRAT1	1.695	0.23
TRAV10	0.343	0
TRAV11	0.871	0
TRAV1-1	0.326	0
TRAV1-2	0.326	0

TRAV12-1	0.337	0.29
TRAV12-2	0.343	0
TRAV12-3	0.343	0
TRAV13-1	0.337	0
TRAV13-2	0.34	0
TRAV14DV4	0.35	0
TRAV15	0.888	0
TRAV16	0.329	0
TRAV17	0.337	0
TRAV18	0.335	0
TRAV19	0.35	0.28
TRAV2	0.338	0
TRAV20	0.337	0
TRAV21	0.336	0.88
TRAV22	0.331	0
TRAV23DV6	0.364	0
TRAV24	0.343	0
TRAV25	0.327	0
TRAV26-1	0.328	0
TRAV26-2	0.327	0
TRAV27	0.328	0
TRAV28	0.883	0
TRAV29DV5	0.358	0
TRAV3	0.343	0.58
TRAV30	0.337	0
TRAV31	0.934	0
TRAV32	0.844	0
TRAV33	0.896	0
TRAV34	0.337	0
TRAV35	0.33	0.3
TRAV36DV7	0.34	0
TRAV37	2.676	0
TRAV38-1	0.35	0.28
TRAV38-2DV8	0.349	0.28
TRAV39	0.331	0
TRAV4	0.328	0
TRAV40	0.317	0
TRAV41	0.336	0
TRAV5	0.34	0
TRAV6	0.34	0.29
TRAV7	0.337	0
TRAV8-1	0.341	0
TRAV8-2	0.341	0.29
TRAV8-3	0.341	0
TRAV8-4	0.341	0
TRAV8-5	2.94	0.04
TRAV8-6	0.341	0
TRAV8-7	0.344	0
TRAV9-1	0.338	0
TRAV9-2	0.338	0

TRB@	0.1	0
TRBC1	1.066	2.42
TRBC2	1.078	4.04
TRBD1	0.1	0
TRBD2	0.1	0
TRBJ1-1	0.1	0
TRBJ1-2	0.1	0
TRBJ1-3	0.1	0
TRBJ1-4	0.102	0
TRBJ1-5	0.1	0
TRBJ1-6	0.106	0
TRBJ2-1	0.1	0
TRBJ2-2	0.102	0
TRBJ2-2P	0.1	0
TRBJ2-3	0.1	0
TRBJ2-4	0.1	0
TRBJ2-5	0.1	0
TRBJ2-6	0.106	0.93
TRBJ2-7	0.1	0
TRBV1	1.566	0
TRBV10-1	0.688	0
TRBV10-2	0.688	0
TRBV10-3	0.688	0.28
TRBV11-1	0.694	0
TRBV11-2	0.694	0
TRBV11-3	0.694	0
TRBV12-1	1.574	0
TRBV12-2	1.574	0
TRBV12-3	0.694	0
TRBV12-4	0.694	0.14
TRBV12-5	0.694	0
TRBV13	0.748	0
TRBV14	0.694	0
TRBV15	0.688	0
TRBV16	0.694	0.43
TRBV17	0.688	0
TRBV18	0.694	0
TRBV19	0.688	0
TRBV2	0.694	0
TRBV20-1	0.67	2.95
TRBV20OR9-2	0.999	0
TRBV21-1	1.632	0
TRBV21OR9-2	0.793	0
TRBV22	0.74	0
TRBV22OR9-2	0.768	0
TRBV23-1	1.702	0
TRBV23OR9-2	0.819	0
TRBV24-1	0.69	0
TRBV24OR9-2	0.833	0
TRBV25-1	0.688	0

TRBV25OR9-2	0.8	0
TRBV26	1.658	0
TRBV26OR9-2	0.826	0
TRBV27	0.688	0.14
TRBV28	0.688	0.14
TRBV29-1	0.67	0.29
TRBV29OR9-2	0.941	0
TRBV30	0.67	0
TRBV3-1	0.688	0
TRBV3-2	0.432	0
TRBV4-1	0.688	0
TRBV4-2	0.688	0
TRBV4-3	0.688	0
TRBV5-1	0.686	0.14
TRBV5-2	1.546	0
TRBV5-3	1.62	0.12
TRBV5-4	0.686	0
TRBV5-5	0.686	0
TRBV5-6	0.686	0
TRBV5-7	0.686	0
TRBV5-8	0.686	0
TRBV6-1	0.688	0
TRBV6-2	0.688	0
TRBV6-3	0.688	0
TRBV6-4	0.688	0
TRBV6-5	0.688	0
TRBV6-6	0.688	0
TRBV6-7	0.688	0
TRBV6-8	0.682	0
TRBV6-9	0.688	0
TRBV7-1	1.672	0
TRBV7-2	0.694	0
TRBV7-3	0.694	0.14
TRBV7-4	0.694	0
TRBV7-5	1.634	0
TRBV7-6	0.694	0
TRBV7-7	0.694	0
TRBV7-8	0.694	0
TRBV7-9	0.694	0.14
TRBV8-1	2.324	0
TRBV8-2	1.572	0
TRBV9	0.686	0
TRBVA	1.74	0
TRBVAOR9-2	0.454	0
TRBVB	1.87	0
TRD@	0.1	0
TRDC	1.51	0.06
TRDD1	0.1	0
TRDD2	0.1	0
TRDD3	0.1	0

TRDJ1	0.1	0
TRDJ2	0.1	0
TRDJ3	0.1	0
TRDJ4	0.1	0
TRDMT1	3.527	1.04
TRDN	2.946	0
TRDV1	0.347	0.57
TRDV2	0.345	0
TRDV3	0.341	0
TREH	1.844	0
TREM1	0.92	1.29
TREM2	1.037	0
TREML1	0.98	0.1
TREML2	3.081	2.09
TREML2P	0.213	0
TREML3	1.224	0
TREML4	2.07	0
TRERF1	6.214	1.53
TREX1	7.374	2.08
TREX2	1.255	0.31
TRFP	2.478	2.12
TRG@	0.1	0
TRGC1	0.1	0
TRGC2	1.138	1.39
TRGJ1	0.1	0
TRGJ2	0.1	0
TRGJP	0.124	0.8
TRGJP1	0.12	0
TRGJP2	0.12	0
TRGV1	1.642	0.24
TRGV10	1.662	0.06
TRGV11	1.64	0.06
TRGV2	0.708	0.42
TRGV3	0.708	0.98
TRGV4	0.708	3.63
TRGV5	0.708	0
TRGV5P	1.652	0.36
TRGV6	1.65	0.06
TRGV7	1.654	0
TRGV8	0.708	0
TRGV9	0.732	0.13
TRGVA	1.514	0
TRGVB	1.662	0
TRH	1.562	0.26
TRHDE	5.618	0
TRHR	1.344	0
TRIAD3	12.894	5.52
TRIAP1	1.182	13.23
TRIB1	3.633	6.37
TRIB2	4.198	0.3

TRIB3	2.452	0.04
TRIM10	12.027	0
TRIM11	2.691	6.73
TRIM13	9.415	5.34
TRIM14	8.165	3.08
TRIM15	7.959	0.05
TRIM16	2.901	0.58
TRIM16L	1.982	0.4
TRIM17	2.212	0.04
TRIM2	6.731	0.49
TRIM21	1.929	4.67
TRIM22	5.496	65.31
TRIM23	5.439	1.62
TRIM24	8.344	1.76
TRIM25	5.744	4.92
TRIM26	10.464	0.23
TRIM27	13.056	0.02
TRIM28	2.959	56.34
TRIM29	3.018	0
TRIM3	3.037	2.12
TRIM31	9.669	0
TRIM32	3.141	3.59
TRIM33	8.339	10.33
TRIM34	3.216	0.49
TRIM35	4.227	1.45
TRIM36	4.892	0
TRIM37	4.829	1.23
TRIM38	3.276	36.81
TRIM39	10.863	0.02
TRIM4	6.766	1.89
TRIM40	2.988	0
TRIM41	4.315	5.55
TRIM42	2.538	0
TRIM43	1.627	0
TRIM44	4.548	12.27
TRIM45	3.571	2.03
TRIM46	3.142	0.41
TRIM47	2.263	0.27
TRIM48	1.445	0
TRIM49	2.163	0
TRIM5	4.162	2.26
TRIM50	4.094	1.62
TRIM52	2.404	8.68
TRIM54	1.757	0
TRIM55	3.868	0
TRIM56	7.094	1.28
TRIM58	2.594	0.88
TRIM59	3.876	1.4
TRIM6	3.964	0.3
TRIM60	1.842	0

TRIM61	1.58	0.06
TRIM62	3.436	1.81
TRIM63	1.764	0
TRIM64	1.71	0
TRIM65	3.409	1.63
TRIM67	3.929	0
TRIM68	3.3	1.32
TRIM69	1.901	0.05
TRIM6-TRIM34	3.46	0.43
TRIM7	5.758	0.35
TRIM71	3.138	0
TRIM72	2.097	0.04
TRIM73	2.7	1.68
TRIM74	2.7	1.06
TRIM75	1.407	0
TRIM8	3.055	30.64
TRIM9	6.675	0.04
TRIML1	1.645	0
TRIMP1	24.488	0.15
TRIO	10.781	9.97
TRIOBP	10.735	1.74
TRIP10	2.011	0.39
TRIP11	6.453	0.85
TRIP12	6.71	17.7
TRIP13	2.351	0.12
TRIP4	2.028	4.2
TRIP6	3.755	5.46
TRIT1	2.106	4.04
TRLP1	0.1	0
TRMEP1	0.1	0
TRMT1	2.133	21.56
TRMT11	1.953	1.57
TRMT12	2.034	14.99
TRMT5	5.272	0.53
TRMU	1.964	5.89
TRNA	0.1	0
TRNC	0.1	0
TRND	0.1	0
TRNE	0.1	0
TRNF	0.1	0
TRNG	0.1	0
TRNH	0.1	0
TRNI	0.1	0
TRNK	0.1	0
TRNL1	0.1	0
TRNL2	0.1	0
TRNM	0.1	0
TRNN	0.1	0
TRNP	0.1	0
TRNQ	0.1	0

TRNR	0.1	0
TRNS1	0.1	0
TRNS2	0.1	0
TRNT	0.1	0
TRNT1	3.052	2.47
TRNV	0.1	0
TRNW	0.1	0
TRNY	0.1	0
TRO	5.007	0.44
TROAP	2.527	0.94
TROVE2	3.081	3.79
TRPA1	5.19	0
TRPC1	4.069	0.12
TRPC2	12.265	0.79
TRPC3	3.424	0
TRPC4	3.41	0
TRPC4AP	6.779	44.47
TRPC5	5.84	0
TRPC6	4.54	0
TRPC6P	1.804	0
TRPC7	2.589	0
TRPM1	5.428	0
TRPM2	7.269	6.69
TRPM3	7.095	0
TRPM4	4.055	0.68
TRPM5	3.914	0
TRPM6	8.425	0.08
TRPM7	7.218	3.36
TRPM8	5.621	0.05
TRPS1	9.99	0.09
TRPT1	1.222	6.96
TRPV1	4.982	2.6
TRPV2	2.776	3.85
TRPV3	3.42	0.03
TRPV4	3.237	0
TRPV5	4.972	0
TRPV6	5.789	0
TRRAP	25.421	2.8
TRSPAP1	1.785	4.83
TRUB1	3.399	1.89
TRUB2	1.439	3.3
TRY1	1.692	0
TRY2P	10.93	0.01
TRY3	8.722	0
TRY5	7.132	0
TRY6	9.078	0.01
TRY7	7.14	0
TSC1	9.384	5.28
TSC2	5.705	12.89
TSC22D1	6.258	26.5

TSC22D2	3.901	4.94
TSC22D3	3.221	1075.56
TSC22D4	9.139	33.27
TSCOT	2.354	0.08
TSEN2	2.359	0.21
TSEN34	1.349	3.88
TSEN54	1.905	1.92
TSFM	1.218	8.44
TSG101	1.534	22.32
TSGA10	3.69	0.03
TSGA10IP	1.726	0
TSGA13	3.306	0.06
TSGA14	7.052	0.12
TSGA2	1.367	0.21
TSHB	0.578	0
TSHR	4.735	0.02
TSHZ1	4.967	4.56
TSHZ2	4.129	5.66
TSHZ3	4.325	0
TSKS	1.812	0.05
TSKU	2.71	9.13
TSLP	2.949	0
TSN	3.408	10.62
TSNARE1	1.901	0.11
TSNAX	2.65	11.46
TSNAXIP1	2.159	1.19
TSP50	1.338	0.15
TSPAN1	1.278	0
TSPAN10	1.612	0.25
TSPAN11	1.48	0
TSPAN12	5.128	0
TSPAN13	5.243	15.91
TSPAN14	5.042	219.13
TSPAN15	1.699	18.58
TSPAN16	1.04	0
TSPAN17	4.207	2.03
TSPAN18	3.548	0.17
TSPAN19	1	0
TSPAN2	3.207	0
TSPAN3	3.173	46.83
TSPAN31	1.74	2.39
TSPAN32	2.287	0.6
TSPAN33	3.954	11.14
TSPAN4	2.067	1.44
TSPAN5	1.432	0.42
TSPAN6	2.069	0
TSPAN7	1.798	27.18
TSPAN8	1.13	0
TSPAN9	4.315	3.85
TSPO	1.445	13.7

TSPY1	1.16	0
TSPY2	1.16	0
TSPYL1	3.388	20.12
TSPYL2	2.802	41.88
TSPYL3	1.215	0.65
TSPYL4	4.135	5.74
TSPYL5	4.463	0.04
TSPYL6	3.026	0
TSPYP1	2.733	0
TSPYP2	2.792	0
TSPYP3	2.733	0
TSPYP4	2.811	0
TSPYP5	2.803	0
TSR1	4.89	2.95
TSR2	1.325	46.59
TSSC1	1.664	18.08
TSSC4	1.424	15
TSSK1A	0.95	0
TSSK1B	1.996	0
TSSK2	1.347	0
TSSK3	2.093	13.71
TSSK4	1.257	1.02
TSSK6	1.442	0.83
TST	1.128	7.55
TSTA3	2.56	47.27
TTBK1	7.128	0
TTBK2	5.614	1.24
TTC1	1.407	3.72
TTC12	2.315	0.04
TTC13	3.252	2.04
TTC14	2.832	3.22
TTC15	2.524	3.69
TTC16	2.884	0
TTC17	3.759	12.21
TTC18	3.695	0.21
TTC19	2.784	8.92
TTC21A	4.213	1.13
TTC21B	4.558	2.26
TTC22	2.149	0
TTC23	3.537	0.28
TTC24	1.969	1.96
TTC25	2.077	1.15
TTC26	4.226	0.1
TTC27	2.876	1.62
TTC28	11.653	1.06
TTC29	1.74	0
TTC3	9.101	8.84
TTC30A	4.669	0.1
TTC30B	2.189	0.86
TTC31	3.356	3.83

TTC32	1.425	11.46
TTC33	2.551	1.32
TTC35	1.238	3.04
TTC4	1.985	1.44
TTC5	1.845	1.18
TTC6	1.623	0
TTC7A	6.779	31.97
TTC7B	3.434	1.3
TTC8	2.203	1.12
TTC9	5.51	0.12
TTC9B	0.835	0
TTC9C	1.139	3.22
TTF1	3.137	5.43
TTF2	4.855	0.77
TTK	2.968	0.57
TTL	4.443	1.91
TLL1	2.043	0.24
TLL10	2.111	0
TLL11	2.012	0.25
TLL12	3.353	1.21
TLL13	1.793	0.05
TLL2	2.684	0
TLL3	5.426	18.49
TLL4	4.191	0.57
TLL5	4.684	2.9
TLL6	2.533	0.12
TLL7	3.648	0
TLL9	2.623	8.41
TTMA	3.024	0.23
TTMB	2.761	1.04
TTN	111.97	0.5
TPA	1.249	0
TTR	0.615	0
TTRAP	2.259	4.2
TTY1	0.91	0
TTY10	1.628	1.03
TTY11	0.834	0
TTY12	0.979	0
TTY13	0.659	0
TTY14	0.515	2.5
TTY15	5.242	6.05
TTY16	0.192	0
TTY17A	0.166	0
TTY17B	0.166	0
TTY17C	0.166	0
TTY18	0.221	0
TTY19	0.269	0
TTY2	3.168	0
TTY20	0.259	0
TTY21	0.307	0

TTY22	0.427	0
TTY23	0.512	0
TTY3	0.344	0
TTY3B	0.344	0
TTY4	1.346	0
TTY4B	1.346	0
TTY4C	1.346	0
TTY5	1.562	0
TTY6	0.492	0
TTY6B	0.473	0
TTY7	1.367	0
TTY8	0.531	0
TTY9A	1.637	0
TTY9B	1.637	0
TYH1	2.684	0.22
TYH2	7.15	57.12
TYH3	11.275	9.87
TUB	6.6	0
TUBA1A	1.666	48.76
TUBA1B	1.753	70.15
TUBA1C	1.553	7.78
TUBA3C	1.69	0
TUBA3D	1.664	6.3
TUBA3E	1.54	0
TUBA4A	2.001	145.56
TUBA4B	20.326	0.27
TUBA8	2.018	1.27
TUBAL3	1.8	0
TUBAP	1.731	0
TUBB	7.462	0.6
TUBB1	3.496	0.53
TUBB2A	1.621	0.43
TUBB2B	1.906	0.1
TUBB2C	1.591	29.72
TUBB3	1.711	0.76
TUBB4	2.287	0.04
TUBB4Q	1.305	0
TUBB6	1.815	5.07
TUBB8	1.335	0
TUBBP3	0.882	0.22
TUBD1	2.472	1
TUBE1	2.082	0.47
TUBG1	1.611	1.04
TUBG2	1.773	0.11
TUBGCP2	4.473	15.75
TUBGCP3	3.893	7.9
TUBGCP5	3.743	4.78
TUBGCP6	8.076	9.11
TUFM	1.605	70.27
TUFT1	3.111	1.53

TUG1	7.105	22.7
TULP1	2.089	0
TULP2	1.702	0
TULP3	2.934	0.98
TULP4	16.374	0.78
TUSC1	1.882	0.11
TUSC2	1.682	8.82
TUSC3	1.871	0
TUSC4	1.664	13.55
TUSC5	3.596	0
TUT1	2.73	5.29
TWF1	3.686	1.42
TWF2	1.625	9.93
TWIST1	3.333	0.2
TWISTNB	7.784	2.71
TWSG1	3.67	2.43
TXK	2.563	0.2
TXLNA	4.796	2.91
TXLNB	4.633	0.38
TXN	0.508	22.99
TXN2	1.336	22.07
TXNDC1	2.443	2.84
TXNDC10	4.745	3.52
TXNDC11	3.047	37.96
TXNDC12	1.6	11.44
TXNDC13	2.635	8.19
TXNDC14	1.667	19.28
TXNDC2	1.847	0
TXNDC3	4.624	0.04
TXNDC4	4.862	7.86
TXNDC5	3.33	6.09
TXNDC6	2.133	0.37
TXNDC8	0.455	0
TXNDC9	1.53	1.87
TXNIP	2.704	809.13
TXNL1	1.28	23.19
TXNL2	1.902	4.84
TXNL4A	1.387	13.48
TXNL4B	2.516	3.03
TXNL5	0.727	4.77
TXNL6	0.908	0
TXNRD1	4.068	4.69
TXNRD2	1.964	3.12
TXNRD3	3.118	0.04
TYK2	4.943	28.73
TYMS	1.529	14.95
TYR	1.964	0
TYRL	11.169	0
TYRO3	3.949	0.1
TYRO3P	0.864	0.12

TYROBP	0.61	7.14
TYRP1	2.805	0
TYSND1	5.967	0.6
TYW1	6.662	2.42
TYW3	2.38	4.83
U1SNRNPBP	2.975	4.82
U2AF1	10.375	32.63
U2AF1L4	1.805	22.74
U2AF2	3.218	21.4
U58	0.1	1.98
UACA	7.262	7.73
UAP1	2.294	1.34
UAP1L1	3.201	0.96
UBA52	2.895	196.64
UBA52P1	0.95	5.11
UBA52P2	0.34	0.58
UBA52P3	0.521	199.96
UBADC1	1.867	4.88
UBAP1	2.735	15.41
UBAP2	4.284	8.54
UBAP2L	6.705	47.19
UBASH3A	2.492	0.12
UBB	0.971	313.42
UBBP1	0.615	21.07
UBBP2	0.425	13.5
UBBP3	0.376	0
UBBP4	0.914	1.62
UBC	2.404	642.23
UBCH7N2	0.357	0.83
UBD	2.913	0
UBE1	4.786	32
UBE1C	2.68	9.45
UBE1DC1	3.496	2.86
UBE1L	4.108	46.91
UBE1L2	5.367	5.63
UBE2A	3.06	15.16
UBE2B	3.124	24.07
UBE2C	2.411	0.78
UBE2CP1	0.774	0.9
UBE2D1	2.651	1.9
UBE2D2	3.581	28.29
UBE2D3	5.998	47.57
UBE2D4	2.796	1.2
UBE2E1	1.987	35.45
UBE2E2	1.51	2.62
UBE2E3	1.737	7.86
UBE2E4P	1.159	3.5
UBE2F	1.697	21.16
UBE2G1	4.332	5.62
UBE2G2	3.189	16.14

UBE2H	8.746	34.74
UBE2I	4.557	22.28
UBE2J1	4.342	21.78
UBE2J2	2.609	9.37
UBE2L3	5.536	4.93
UBE2L4	0.464	0.85
UBE2L6	1.579	14.03
UBE2L7P	0.683	13.33
UBE2M	1.516	8.68
UBE2MP1	0.961	2.06
UBE2N	2.552	31.17
UBE2NL	1.19	2.49
UBE2O	5.322	3.87
UBE2Q1	3.221	11.31
UBE2Q2	2.922	5.41
UBE2R2	4.457	10.08
UBE2S	0.881	5.61
UBE2SP1	0.881	1.69
UBE2T	0.898	0.66
UBE2U	1.136	0
UBE2V1	3.173	7.89
UBE2V1P1	0.421	1.41
UBE2V2	1.524	1.89
UBE2W	7.706	2.38
UBE2Z	2.99	16.91
UBE3A	5.239	14
UBE3AP1	0.537	0
UBE3AP2	3.149	0.59
UBE3B	5.861	2.76
UBE3C	10.336	0.95
UBE4A	6.122	3.86
UBE4B	5.491	7.39
UBFD1	4.931	7.66
UBIAD1	1.489	3.25
UBL3	4.335	22.02
UBL4A	2.305	0.52
UBL4B	1.508	0
UBL5	0.663	37.9
UBL7	1.499	15.31
UBLCP1	2.174	3
UBN1	6.338	6.77
UBOX5	4.329	5.28
UBP1	4.393	17.63
UBQLN1	5.546	38.78
UBQLN2	3.306	8.44
UBQLN3	2.345	0
UBQLN4	3.507	2.14
UBQLN4P	3.574	1.52
UBQLNL	2.303	0.43
UBR1	7.748	3.37

UBR2	5.635	8.27
UBTD1	1.557	0.32
UBTD2	1.113	1.87
UBTF	4.198	17.35
UBXD1	1.887	30.73
UBXD2	4.405	33.17
UBXD3	2.972	1.7
UBXD4	1.896	3.76
UBXD5	2.735	12.11
UBXD6	1.441	1.44
UBXD7	7.694	13.9
UBXD8	4.492	15.06
UCHL1	1.093	0.09
UCHL3	0.844	4.57
UCHL5	1.703	2.79
UCHL5IP	1.891	1.83
UCK1	2.164	5.99
UCK2	1.25	2.77
UCKL1	1.833	31.04
UCN	0.615	1.77
UCN2	1.485	0
UCN3	0.71	0
UCP1	1.048	0
UCP2	3.479	41.15
UCP3	2.59	0.27
UCRC	1.861	8.51
UEVLD	1.966	1.11
UFC1	1.107	88.93
UFD1L	1.975	11.72
UFM1	2.522	14.47
UGCG	3.405	32.19
UGCGL1	7.568	4.22
UGCGL2	4.832	0
UGDH	3.189	0.21
UGP2	2.565	15.93
UGT1A1	2.357	0
UGT1A10	2.385	0
UGT1A11P	0.846	0
UGT1A12P	0.853	0
UGT1A13P	1.098	0
UGT1A2P	1.433	0
UGT1A3	2.345	0
UGT1A4	2.374	0
UGT1A5	2.345	0
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UGT1A8	2.396	0
UGT1A9	2.376	0
UGT2A1	1.764	0
UGT2A3	2.974	0

UGT2B10	1.619	0
UGT2B11	1.722	0
UGT2B15	2.091	0
UGT2B17	2.077	0
UGT2B24P	1.023	0
UGT2B25P	0.899	0
UGT2B26P	0.888	0
UGT2B27P	1.008	0
UGT2B28	1.833	0
UGT2B29P	1.021	0
UGT2B4	2.092	0
UGT2B7	1.854	0
UGT3A1	2.823	0
UGT3A2	2.341	0.38
UGT8	2.448	0
UHMK1	4.495	9.38
UHRF1	3.816	5.11
UHRF2	5.065	20.34
UIMC1	2.604	19.19
ULBP1	3.142	0
ULBP2	1.349	0.15
ULBP3	0.735	0.54
ULK1	6.774	27
ULK2	5.807	0.82
ULK3	2.622	12.34
ULK4	3.969	0.85
UM9(5)	9.848	0
UMOD	2.354	0
UMODL1	5.889	0.08
UMPS	2.246	2.34
UNC119	2.523	5.17
UNC13A	10.102	0
UNC13B	6.3	2.31
UNC13C	8.14	0
UNC13D	4.361	4.28
UNC45A	4.393	4.05
UNC45B	5.821	0.02
UNC50	2.379	3.87
UNC5A	3.733	0.03
UNC5B	3.916	0
UNC5C	3.646	0
UNC5CL	2.987	0.67
UNC5D	7.002	0
UNC84A	8.704	13
UNC84B	4.961	56.79
UNC93A	2.012	0
UNC93B1	2.315	9.1
UNCX4.1	1.596	0
UNG	2.473	1.72
UNGP1	1.032	0

UNGP2	0.627	0
UNGP3	2.252	0
UNK	4.632	11.04
UNKL	1.379	5.16
UNQ1887	3.403	7.97
UNQ1940	3.29	0
UNQ1945	1.402	0.42
UNQ2541	0.762	0.13
UNQ2963	0.332	1.79
UNQ338	0.95	0
UNQ467	0.414	0
UNQ473	0.853	0
UNQ501	1.03	5.09
UNQ5783	0.916	2.81
UNQ5830	2.412	0
UNQ6125	1.513	0
UNQ6190	1.568	0
UNQ6411	1.386	0
UNQ6490	1.018	0
UNQ830	0.465	0.21
UNQ846	1.448	0
UNQ9217	1.529	0.06
UNQ9368	0.751	5.27
UNQ9370	1.983	0
UNQ9391	1.099	0
UNQ9433	1.07	0
UNQ9438	0.622	0.64
UPB1	2.067	1.96
UPF1	5.345	14.59
UPF2	6.554	11.22
UPF3A	2.683	6.16
UPF3B	2.381	6.53
UPK1A	1.223	0
UPK1B	2.058	0
UPK2	0.916	0
UPK3A	1.025	0
UPK3B	4.674	0.02
UPP1	4.517	3.99
UPP2	2.221	0
UPRT	2.147	3.82
UQCR	1.266	20.16
UQCRB	0.938	105.9
UQCRC1	1.617	22.4
UQCRC2	2.092	46.63
UQCRFS1	1.202	50.87
UQCRH	0.726	96.35
UQCRQ	0.731	25.99
URG4	7.072	3.32
URM1	1.326	33.87
UROC1	3.127	0

UROD	1.383	20.25
UROS	1.279	9.9
URP2	3.087	9.26
USF1	2.311	40.54
USF2	2.734	40.06
USH1C	3.802	0
USH1G	3.561	0
USH2A	20.42	0
USHBP1	2.41	0
USMG5	0.553	32.39
USP1	4.362	4.53
USP10	2.995	7.89
USP11	4.014	18.61
USP12	3.11	12.72
USP12P1	2.29	0.22
USP12P2	2.243	1.15
USP12P3	2.243	0.71
USP13	2.717	0.59
USP14	4.156	10.17
USP15	5.06	21.58
USP16	3.73	12.83
USP18	2.037	0.78
USP19	4.673	13.65
USP2	2.968	0
USP20	5.956	2.64
USP21	2.354	5.59
USP22	7.326	66.2
USP24	10.994	15.22
USP25	4.968	6.53
USP26	2.794	0
USP27X	1.674	0.24
USP28	4.632	6.9
USP29	3.607	0
USP3	3.065	20.34
USP30	2.098	5.19
USP31	4.059	2.95
USP32	7.026	4.05
USP33	4.913	4.6
USP34	12.068	21.12
USP35	5.359	1.16
USP36	8.495	38.46
USP37	7.997	1.32
USP38	4.666	7.87
USP39	2.209	21.05
USP4	3.683	22.05
USP40	3.505	1.75
USP41	1.949	0.3
USP42	10.187	5.34
USP44	2.872	0.07
USP45	6.99	0.51

USP46	3.83	1.52
USP47	7.777	8.11
USP48	5.339	6.63
USP49	3.177	0.35
USP5	3.103	5.04
USP50	1.319	4.5
USP51	2.49	0.68
USP52	4.489	10.01
USP53	3.219	1.63
USP54	4.773	2.24
USP6	7.971	0.08
USP6NL	5.775	19.52
USP7	6.231	29.74
USP8	4.243	11.75
USP9X	12.614	16.6
USP9Y	10.04	2.63
USP9YP1	3.339	0
USP9YP2	3.339	0
USPL1	3.814	16.5
UST	4.197	0.36
UTF1	1.157	0.17
UTP11L	1.017	9.92
UTP14A	2.488	4.97
UTP14C	5.494	1.6
UTP15	3.655	5
UTP18	1.873	4.86
UTP20	8.995	0.9
UTP6	2.065	10.59
UTRN	10.541	8.09
UTS2	0.787	0.12
UTS2D	1.279	0
UTS2R	1.17	0.09
UTX	5.423	9.71
UTY	7.197	5.74
UVRAG	3.515	5.57
UXS1	6.373	20.98
UXT	0.909	50.94
VAC14	3.096	4.12
VAMP1	6.047	7.55
VAMP2	2.892	110.81
VAMP3	2.205	15.07
VAMP4	2.126	2.47
VAMP5	0.665	79.15
VAMP8	0.671	52.05
VANGL1	8.691	0.12
VANGL2	5.348	0.19
VAPA	6.994	8.8
VAPB	3.675	4.06
VARS	10.677	1.83
VARS2	12.21	0.12

VASH1	5.728	2.52
VASH2	3.572	0
VASN	2.806	0.46
VASP	3.328	3.03
VAT1	2.694	8.85
VAV1	2.888	6.61
VAV2	4.693	2.7
VAV3	4.757	17.88
VAX1	4.494	0
VAX2	1.147	0
VBP1	1.779	6.12
VCAM1	3.102	0
VCAN	11.185	0.61
VCL	5.859	10.82
VCP	3.189	18.55
VCPIP1	8.176	4.18
VCX	0.967	0
VCX2	0.815	0
VCX3A	0.995	0
VCX-C	1.081	0
VCY	0.551	0
VCY1B	0.545	0
VDAC1	1.806	20.16
VDAC1LP	0.535	0.37
VDAC2	1.503	21.46
VDAC2P	1.084	0
VDAC3	1.386	8.28
VDAC5P	0.273	0
VDP	3.891	3.48
VDR	4.775	0.19
VEGFA	7.706	0.11
VEGFB	1.385	17.57
VEGFC	2.079	0
VENTX	2.411	2.59
VENTXP1	2.716	0
VENTXP2	0.481	0
VENTXP3	2.035	0
VENTXP4	1.463	0
VENTXP5	1.909	0
VENTXP6	1.157	0
VENTXP7	0.983	0.2
VEPH1	3.044	0
VEZF1	5.834	15.09
VEZT	3.942	12.95
VGCNL1	6.923	0
VGf	5.092	0.05
VGLL1	1.212	0
VGLL2	3.489	0
VGLL3	10.396	0
VGLL4	3.542	9.47

VHL	2.968	15.9
VHLL	0.676	0
VIL1	2.694	0.11
VIL2	4.043	445.96
VILL	2.787	3.97
VIM	1.847	331.09
VIP	1.713	0
VIPR1	2.772	0.18
VIPR2	7.889	2.58
VISA	3.543	7.07
VIT	2.728	0
VKORC1	1.487	5.32
VKORC1L1	2.296	0.47
VKORC1P1	0.793	0.37
VKORC1P2	0.62	0.16
VDLDR	3.636	0.13
VMAC	1.628	3.64
VMO1	0.766	1.16
VN1R1	1.313	0.83
VN1R2	1.188	0
VN1R3	1.269	0
VN1R4	0.906	0
VN1R5	1.074	0
VN1R8P	0.815	0
VN1R9P	1.723	0
VN2R1P	2.325	0
VN2R9P	26.192	0
VNN1	3.106	0.67
VNN2	2.17	1.46
VNN3	2.638	0.27
VPRBP	5.859	7.24
VPREB1	0.72	237.18
VPREB3	0.545	54.28
VPS11	3.222	15.45
VPS13A	12.551	1.9
VPS13B	14.938	1.94
VPS13C	15.672	2.62
VPS13D	16.329	2.06
VPS16	3.227	4.6
VPS18	3.895	11.28
VPS24	3.526	13.64
VPS25	1.101	6.29
VPS26A	4.408	7.86
VPS26B	4.785	22.21
VPS28	2.034	26.12
VPS29	1.665	26.74
VPS33A	2.603	4.71
VPS33B	2.49	9.5
VPS35	3.233	5.11
VPS36	4.423	6.42

VPS37A	2.02	1.08
VPS37B	4.396	58.14
VPS37C	2.692	3.75
VPS37D	4.072	0
VPS39	4.832	32.39
VPS41	11.376	0.88
VPS45	2.817	2.43
VPS4A	2.473	36.01
VPS4B	3.38	6.14
VPS52	8.853	0.04
VPS53	2.191	1.89
VPS54	4.2	5.58
VPS72	1.324	3.66
VPS8	5.009	2.83
VRK1	1.703	4.12
VRK2	1.994	1.79
VRK3	2.1	2.36
VSIG1	3.128	0
VSIG2	1.121	0
VSIG4	1.77	0.28
VSIG6	0.678	0
VSIG8	1.818	0.11
VSIG9	2.139	0.42
VSNL1	2.005	0
VSTM1	1.019	0.29
VSTM2	6.556	0
VSX1	2.336	0
VTCN1	1.795	0
VTI1A	1.979	6.99
VTI1B	1.277	6.35
VTN	1.678	0.18
VWA1	3.7	1.1
VWA2	3.452	15.73
VWC2	3.806	0
VWCE	3.292	4.75
VWF	8.833	0.09
VWFP	14.375	0.04
WAC	4.966	37.47
WAPAL	6.302	6.55
WARS	3.182	5.29
WARS2	4.971	1.43
WAS	1.805	20.11
WASF1	3.22	2
WASF2	5.487	79.91
WASF3	4.834	0
WASL	8.844	2.62
WBP1	1.748	24.23
WBP11	2.674	44.8
WBP2	1.857	21.79
WBP2NL	2.255	0.18

WBP4	2.617	7.45
WBP5	1.156	1.8
WBSCR16	4.756	2.21
WBSCR17	6.498	0
WBSCR18	5.068	1.83
WBSCR19	5.3	0.45
WBSCR22	2.962	8.58
WBSCR23	5.236	2.82
WBSCR27	1.862	0.43
WBSCR28	1.7	0
WDFY1	4.607	4.76
WDFY2	2.786	13.56
WDFY3	16.36	1.11
WDHD1	4.846	0.76
WDR1	5.278	123.37
WDR12	1.72	1.38
WDR13	2.096	21.38
WDR16	2.48	0
WDR17	7.49	0
WDR18	1.551	5.04
WDR19	4.52	1.9
WDR20	5.47	3.85
WDR21A	2.665	1.23
WDR21B	4.712	0.06
WDR21C	3.318	0
WDR22	5.815	9.8
WDR23	4.474	3.98
WDR24	3.165	4.16
WDR25	2.004	0.64
WDR26	6.236	25.93
WDR27	3.178	2.52
WDR3	3.858	0.72
WDR31	2.874	0.2
WDR32	3.088	1.02
WDR33	9.462	5.59
WDR34	1.818	9.47
WDR35	6.949	2.31
WDR36	6.592	1.9
WDR37	4.611	26.46
WDR4	2.331	1.99
WDR40A	3.631	1.99
WDR40B	3.379	0
WDR40C	1.421	0
WDR41	2.558	3.06
WDR42A	6.953	27.25
WDR42B	3.457	0.86
WDR42C	1.854	0.37
WDR44	4.141	3.16
WDR45	2.156	11.89
WDR45L	2.874	21.86

WDR45p	1.457	4.48
WDR46	6.135	0
WDR47	4.24	3.08
WDR48	3.89	16.76
WDR49	2.594	1.98
WDR5	3.241	3.39
WDR51A	1.889	0.73
WDR51B	2.971	1.13
WDR52	3.26	0.36
WDR53	1.571	2.27
WDR54	1.119	3.27
WDR55	2.529	12.32
WDR57	1.488	8.25
WDR59	3.663	4.68
WDR5B	4.183	0.78
WDR6	4.07	26.62
WDR60	7.532	2.1
WDR61	1.191	7.47
WDR62	4.688	1.2
WDR63	2.991	0
WDR64	2.31	0
WDR65	3.012	0
WDR66	3.739	2.68
WDR67	3.502	0.31
WDR68	6.564	5.65
WDR69	1.669	0
WDR7	7.282	0.72
WDR70	2.122	4.71
WDR71	1.585	2.75
WDR72	5.887	0
WDR73	1.83	6.11
WDR74	2.047	20.54
WDR75	2.674	7.51
WDR76	2.524	1.45
WDR77	2.408	2.18
WDR78	4.042	0.03
WDR79	1.834	2.11
WDR8	1.657	3.47
WDR81	3.951	9.14
WDR85	3.045	18.72
WDR86	5.665	16.19
WDR87	8.034	0
WDR89	3.22	1.29
WDR90	5.541	3.57
WDSOF1	2.161	4.26
WDSUB1	1.812	4.81
WDTC1	4.275	10.11
WEE1	4.231	4.28
WFDC1	1.378	0
WFDC10A	0.482	0

WFDC10B	0.734	0
WFDC11	0.615	0
WFDC12	0.774	0
WFDC13	1.372	0
WFDC2	1.083	0.09
WFDC3	1.186	0
WFDC5	1.008	0
WFDC6	0.619	0
WFDC8	1.533	0
WFDC9	0.659	0
WFIKKN1	1.948	0
WFIKKN2	3.519	0
WFS1	4.323	33.76
WHDC1	4.575	20.89
WHDC1L1	1.996	1.98
WHDC1L2	1.889	1.25
WHSC1	18.853	4.01
WHSC1L1	7.053	5.06
WHSC2	2.246	10.79
WIBG	1.226	5.56
WIF1	1.978	0
WIPF1	5.079	29.92
WIPF2	5.525	4.96
WIPF3	6.482	0
WIP11	1.886	1.52
WIP12	12.583	11.9
WISP1	2.898	0
WISP2	1.404	0
WISP3	2.064	0
WIT1	1.962	0.1
WIZ	6.066	3.87
WNK1	7.462	8.31
WNK2	6.834	0
WNK3	7.835	0.01
WNK4	4.131	0.03
WNT1	2.367	0.04
WNT10A	2.375	0.04
WNT10B	2.271	0.57
WNT11	1.927	0.31
WNT16	6.456	0.02
WNT2	4.62	0.04
WNT2B	2.214	0.22
WNT3	1.497	0
WNT3A	2.932	0
WNT4	1.595	0
WNT5A	5.838	0
WNT5B	3.27	0
WNT6	1.7	0
WNT7A	1.714	0
WNT7B	2.231	0

WNT8A	1.498	0.06
WNT8B	2.112	0.14
WNT9A	7.934	42
WNT9B	1.464	0
WRB	1.327	0.9
WRN	5.746	3.18
WRNIP1	2.986	9.68
WSB1	3.087	18.46
WSB2	2.822	7.15
WT1	3.113	0.06
WTAP	4.63	59.27
WTIP	2.204	0.13
WWC1	4.15	0
WWC2	6.373	0
WWC3	7.517	10.74
WVOX	1.695	1.87
WWP1	4.108	3.59
WWP2	6.766	5.78
WWTR1	1.997	1.19
XAB1	1.794	13.4
XAB2	3.117	47.39
XAF1	3.626	1.72
XAGE1	1.486	0
XAGE2	0.713	0
XAGE3	0.549	0
XAGE5	0.477	0
XBP1	1.82	129.06
XBPP1	1.541	1.61
XCL1	1.222	0.08
XCL2	0.552	0.71
XCR1	1.373	0
XDH	5.717	0.02
XG	2.291	0
XIST	19.271	0
XK	5.085	0
XKR3	1.615	0
XKR4	3.913	0.12
XKR5	4.894	0
XKR6	3.761	0.03
XKR7	2.91	0
XKR8	2.158	3.95
XKR9	3.174	0
XKRX	2.846	0
XKRY	1.581	0
XKRY2	1.581	0
XKRYP1	1.797	0
XKRYP2	1.797	0
XKRYP3	1.799	0
XKRYP4	1.799	0
XKRYP5	1.799	0

XKRYP6	1.798	0
XLKD1	2.413	0
XPA	1.649	9.9
XPC	3.691	4.96
XPNPEP1	3.107	20
XPNPEP2	3.333	1.6
XPNPEP3	3.06	2.01
XPO1	6.331	59.81
XPO4	8.234	3.8
XPO5	5.212	1.56
XPO6	7.29	49.96
XPO7	4.768	11.8
XPOT	3.868	2.28
XPOTP1	2.398	0.7
XPR1	4.534	1.77
XRCC1	2.087	10.76
XRCC2	6.145	0.13
XRCC3	4.17	19.67
XRCC4	1.934	0.11
XRCC5	3.304	29.73
XRCC6	2.133	42.02
XRCC6BP1	1.16	0.17
XRN1	10.092	8.57
XRN2	3.435	13.22
XRRA1	7.27	2.72
XTP3TPA	1.12	6.36
XX-2136C111.3	0.809	0
XXbac-BCX216M5.7	0.466	0
XYLB	3.694	0
XYLT1	5.254	5.33
XYLT2	3.567	2.08
YAF2	7.991	1.05
YAP1	5.092	0
YARS	4.482	42.85
YARS2	2.179	4.36
YBX1	2.94	64.41
YBX1P1	1.555	5.66
YBX2	1.57	0
YDD19	1.025	0.1
YEATS2	6.501	4.63
YEATS4	1.385	4.36
YES1	4.818	10.84
YESP	4.777	0.74
YIF1A	1.055	3.28
YIF1B	1.814	6.38
YIPF1	1.804	2.85
YIPF2	1.504	10.39
YIPF3	1.95	28.01
YIPF4	1.875	4.17
YIPF5	3.115	4.23

YIPF6	1.194	1.82
YIPF7	1.239	0
YKT6	5.532	10.07
YLPM1	7.158	13.2
YME1L1	4.221	18.73
YME1L2	2.584	0
YOD1	6.265	7.8
YPEL1	4.285	4.96
YPEL2	5.232	26.19
YPEL3	1.782	82.61
YPEL4	1.721	1.56
YPEL5	2.181	143.03
YRDC	1.836	4.52
YSK4	4.165	0
YTHDC1	8.619	31.2
YTHDC2	6.286	3.9
YTHDF1	3.253	18.86
YTHDF1P	2.719	0
YTHDF2	2.713	20.05
YTHDF2P	2.11	1.45
YTHDF3	5.093	11.98
YWHAB	4.008	17.38
YWHAE	3.671	14.91
YWHAG	7.426	8.52
YWHAH	2.997	26.8
YWHAQ	2.416	107.99
YWHAQP	0.905	0
YWHAQP2	1.035	0.67
YWHAZ	2.944	51.69
YWHAZP1	0.988	0.1
YWHAZP3	2.758	0.83
YWHAZP4	1.034	3.83
YY1	6.06	19.07
YY1AP1	3.991	29.25
YY2	1.119	0.8
ZADH1	2.538	0.62
ZADH2	4.133	8.45
ZAK	9.859	1.34
ZAN	17.616	0.03
ZAP70	3.158	14.1
ZAR1	2.775	6.74
ZBED1	4.507	13.32
ZBED2	2.187	0
ZBED3	1.669	4.8
ZBED4	5.218	9.31
ZBED5	2.848	17.75
ZBP1	2.195	0.81
ZBTB1	3.99	6.43
ZBTB10	4.485	8.84
ZBTB11	5.043	4.34

ZBTB12	5.597	0
ZBTB16	6.804	24.4
ZBTB17	2.638	17.32
ZBTB2	3.086	3.69
ZBTB20	2.965	0.87
ZBTB22	7.899	0.04
ZBTB24	5.597	2.11
ZBTB25	1.577	5.96
ZBTB26	1.91	3.83
ZBTB3	2.932	0.71
ZBTB32	1.96	0.4
ZBTB33	5.209	6.71
ZBTB34	7.086	1.9
ZBTB37	1.334	0.74
ZBTB38	8.113	0.46
ZBTB39	6.17	4.35
ZBTB4	5.879	7.35
ZBTB40	7.091	6.22
ZBTB41	8.474	0.33
ZBTB43	4.528	17.63
ZBTB44	4.563	11.69
ZBTB45	2.352	2.23
ZBTB46	4.376	0.28
ZBTB47	4.2	1.91
ZBTB48	2.289	7.87
ZBTB5	4.627	4.81
ZBTB6	4.305	2.58
ZBTB7A	4.441	4.66
ZBTB7B	2.126	2.93
ZBTB7C	3.774	0
ZBTB8	7.333	2.71
ZBTB8OS	0.717	4.01
ZBTB9	2.712	1.64
ZC3H10	2.121	1.64
ZC3H11A	7.982	12.53
ZC3H12A	2.682	5.13
ZC3H12B	7.006	0.17
ZC3H12C	10.333	0.11
ZC3H12D	3.448	28.87
ZC3H13	6.409	3.63
ZC3H14	5.312	2.37
ZC3H15	2.128	26.82
ZC3H3	3.253	8.43
ZC3H6	4.792	0.76
ZC3H7A	4.275	33.1
ZC3H7B	5.868	14.68
ZC3H8	1.59	3.61
ZC3HAV1	15.944	16.79
ZC3HAV1L	3.506	0.17
ZC3HC1	3.828	1.79

ZCCHC10	2.122	4.57
ZCCHC11	6.262	12.56
ZCCHC12	2.197	0.13
ZCCHC13	0.842	0
ZCCHC14	8.031	8.56
ZCCHC16	2.958	0
ZCCHC17	1.602	8.95
ZCCHC2	4.604	5.72
ZCCHC23	1.951	0
ZCCHC3	2.762	16.16
ZCCHC4	4.203	1.23
ZCCHC5	2.648	0
ZCCHC6	5.951	4.04
ZCCHC7	4.836	22.96
ZCCHC8	2.864	11.99
ZCCHC9	4.606	1.91
ZCD1	0.898	0.99
ZCD1B	0.697	0.14
ZCD2	1.583	3.19
ZCRB1	1.844	7.09
ZCWPW1	4.674	0.84
ZCWPW2	1.658	0
ZDHHC1	2.041	1.56
ZDHHC11	2.604	0.8
ZDHHC11B	1.774	0.5
ZDHHC12	1.152	11.42
ZDHHC13	2.711	0.51
ZDHHC14	3.141	1.54
ZDHHC15	1.782	0.94
ZDHHC16	2.189	1.45
ZDHHC17	5.259	9.55
ZDHHC18	3.136	5.46
ZDHHC19	1.337	0.82
ZDHHC2	3.817	1.48
ZDHHC20	2.543	12.56
ZDHHC21	3.205	0.86
ZDHHC22	3.077	0
ZDHHC23	3.778	3.04
ZDHHC24	1.317	6.68
ZDHHC3	2.72	4.4
ZDHHC4	6.355	9.65
ZDHHC5	4.56	10.98
ZDHHC6	2.462	9.04
ZDHHC7	3.157	12.69
ZDHHC8	3.455	6.1
ZDHHC9	3.168	2.6
ZEB1	4.148	28.67
ZEB2	5.78	41.86
ZER1	4.285	8.34
ZFAND1	1.793	9.65

ZFAND2A	1.686	14.91
ZFAND2B	1.291	8.59
ZFAND3	3.005	49.42
ZFAND5	5.819	65.22
ZFAND6	1.68	13.49
ZFAT1	8.024	0.8
ZFHX2	5.675	0
ZFHX4	12.103	0
ZFP1	3.154	0.94
ZFP106	10.457	2.96
ZFP14	5.659	0.72
ZFP161	2.896	1.75
ZFP2	2.405	0.2
ZFP28	4.087	1.09
ZFP3	4.995	0.95
ZFP30	4.611	1.03
ZFP36	2.522	69.24
ZFP36L1	3.022	17.81
ZFP36L2	3.95	222.62
ZFP37	2.752	0.54
ZFP41	4.786	0.58
ZFP42	2.646	0
ZFP57	5.94	0
ZFP62	4.053	0
ZFP64	5.218	0.32
ZFP90	4.651	2.38
ZFP91	5.347	23.17
ZFP91-CNTF	0.1	0
ZFPL1	1.386	11.71
ZFPM1	3.345	1.33
ZFPM2	4.48	0
ZFR	4.715	17.52
ZFX	5.811	4.57
ZFY	4.556	3.32
ZFYVE1	4.577	13.38
ZFYVE16	6.277	1.86
ZFYVE19	1.784	4.88
ZFYVE20	6.678	3.26
ZFYVE21	1.383	1.22
ZFYVE26	9.669	3.27
ZFYVE27	4.272	26.34
ZFYVE28	4.11	0.34
ZFYVE9	5.19	2.51
ZG16	0.609	0
ZGPAT	3.797	5.55
ZH2C2	1.731	0.12
ZHX1	5.106	2.73
ZHX2	4.359	7.13
ZHX3	9.991	20.77
ZIC1	5.231	0

ZIC2	2.682	0.04
ZIC3	3.939	0
ZIC4	4.087	0
ZIC5	2.421	0
ZIK1	2.676	8.28
ZIM2	2.083	0
ZIM3	2.627	0
ZKSCAN1	10.988	2.2
ZKSCAN2	7.113	1.1
ZKSCAN3	2.227	0.13
ZKSCAN4	2.286	1.95
ZKSCAN5	8.746	2.52
ZMAT1	10.558	2.54
ZMAT2	1.512	43.84
ZMAT3	2.794	2.09
ZMAT4	2.465	0
ZMAT5	1.033	5.46
ZMIZ1	7.041	27.26
ZMIZ2	10.8	8.58
ZMPSTE24	3.103	3
ZMYM1	4.205	0.23
ZMYM2	5.217	20.03
ZMYM3	5.585	2.94
ZMYM4	6.994	3.66
ZMYM5	1.872	7.08
ZMYM6	3.095	4.12
ZMYND10	1.773	0
ZMYND11	4.544	3.57
ZMYND12	1.67	0.24
ZMYND15	2.274	0.52
ZMYND17	2.423	0.61
ZMYND19	1.37	3.83
ZMYND8	5.925	33.13
ZNF10	4.405	2.81
ZNF100	5.638	2.24
ZNF101	1.45	13.78
ZNF114	2.206	0.18
ZNF117	2.744	2.2
ZNF12	5.622	3.98
ZNF121	1.729	6.12
ZNF124	1.674	2.72
ZNF131	2.415	11.19
ZNF132	3.03	0.29
ZNF133	2.665	3
ZNF134	3.538	16.25
ZNF135	3.025	0.95
ZNF136	2.971	5.66
ZNF137	2.484	0.56
ZNF138	4.46	0.49
ZNF14	2.963	2.01

ZNF140	3.067	1.81
ZNF141	2.977	1.47
ZNF142	6.234	2.4
ZNF143	2.487	1.75
ZNF146	3.18	10.33
ZNF148	3.03	4.47
ZNF154	1.59	3.3
ZNF155	2.716	1.89
ZNF157	2.008	0
ZNF16	2.821	1.4
ZNF160	5.276	9.5
ZNF165	2.635	0.64
ZNF167	3.976	0.15
ZNF169	1.939	1.48
ZNF17	2.524	1.06
ZNF174	3.15	1.85
ZNF175	3.785	1.83
ZNF177	1.835	0.37
ZNF179	3.085	0.22
ZNF18	2.767	2.07
ZNF180	3.1	1.15
ZNF181	3.591	0.77
ZNF182	3.641	4.4
ZNF184	3.078	3.67
ZNF185	3.598	0.22
ZNF187	3.65	3.61
ZNF189	3.698	2.84
ZNF19	2.644	0.64
ZNF192	5.362	12.05
ZNF193	1.637	7.68
ZNF195	2.287	9.34
ZNF197	6.409	2.01
ZNF2	4.081	0.1
ZNF20	2.317	0.26
ZNF200	4.438	0.93
ZNF202	4.055	1.12
ZNF204	17.712	0.04
ZNF205	2.017	2.75
ZNF207	4.713	41.55
ZNF208	3.504	0
ZNF211	2.452	5.81
ZNF212	5.551	4.12
ZNF213	3.202	1.45
ZNF214	2.623	0
ZNF215	3.658	0
ZNF217	5.635	18.26
ZNF219	3.04	9.18
ZNF22	2.552	22.8
ZNF221	2.535	0
ZNF222	1.594	1.62

ZNF223	2.414	1.35
ZNF224	2.466	4.45
ZNF225	2.467	0.36
ZNF226	3.538	1.42
ZNF227	3.042	3.58
ZNF228	3.656	0.52
ZNF229	2.524	0
ZNF23	3.243	1.1
ZNF230	4.109	0.29
ZNF232	2.078	1.62
ZNF233	2.782	0.32
ZNF234	2.357	0.25
ZNF235	3.083	0.39
ZNF236	8.124	2.68
ZNF238	5.942	12.6
ZNF239	2.386	0.5
ZNF24	2.511	11.5
ZNF248	4.883	1
ZNF25	3.736	1.3
ZNF250	2.15	0.92
ZNF251	2.519	2.36
ZNF253	2.329	1.27
ZNF254	2.734	9.38
ZNF256	2.21	13.3
ZNF257	2.18	0.23
ZNF259	1.778	8.3
ZNF26	3.059	8.11
ZNF260	5.391	1
ZNF263	3.543	10.17
ZNF264	6.594	1.35
ZNF266	3.757	22.86
ZNF267	3.191	4.27
ZNF268	2.57	1.85
ZNF271	2.191	5.51
ZNF273	7.502	0.49
ZNF274	3.584	10.91
ZNF275	5.404	4.14
ZNF276	3.804	10.48
ZNF277P	3.564	2.33
ZNF28	4.675	0.66
ZNF281	3.521	5.68
ZNF282	7.465	2.65
ZNF284	2.208	0.04
ZNF285A	2.674	0
ZNF285B	16.758	0.03
ZNF286A	2.515	0.87
ZNF287	3.152	0
ZNF289	3.065	49.65
ZNF291	4.674	2.59
ZNF292	10.996	15.84

ZNF294	7.703	2.62
ZNF295	7.368	6.96
ZNF299P	1.468	0
ZNF3	8.519	3.42
ZNF30	2.583	0.42
ZNF300	3.104	0.16
ZNF302	2.795	3.08
ZNF304	4.315	6.37
ZNF311	8.094	0
ZNF313	2.869	36.59
ZNF317	4.051	20.49
ZNF318	8.006	8.26
ZNF319	4.22	2.58
ZNF32	1.279	10.29
ZNF320	6.145	0.86
ZNF322A	2.692	0.33
ZNF322B	2.374	0.29
ZNF323	5.621	0.2
ZNF324	3	1.61
ZNF324B	2.995	0.29
ZNF326	5.914	20.8
ZNF329	3.413	2.14
ZNF330	1.843	12.13
ZNF331	5.042	3.37
ZNF333	3.767	3.23
ZNF334	3.809	0.03
ZNF335	4.452	5.64
ZNF337	3.353	17.41
ZNF33A	5.249	7.43
ZNF33B	5.958	1.87
ZNF34	2.038	0.92
ZNF341	3.316	0.51
ZNF342	1.586	8.55
ZNF343	3.632	1.96
ZNF345	3.119	1.24
ZNF346	3.086	2.27
ZNF347	3.502	0.26
ZNF35	2.62	1.02
ZNF350	2.341	14.11
ZNF354A	2.555	1.39
ZNF354B	2.141	2.12
ZNF354C	2.377	1.41
ZNF358	1.882	9.62
ZNF364	2.901	28.75
ZNF365	7.476	0
ZNF366	2.77	0
ZNF367	1.691	4.68
ZNF37A	7.116	3.44
ZNF37B	0.701	1.97
ZNF381P	1.134	0

ZNF382	2.813	0.28
ZNF383	1.694	3.1
ZNF384	3.963	9.11
ZNF385	2.404	5.93
ZNF394	4.768	14.9
ZNF395	4.802	45.86
ZNF396	2.788	0.04
ZNF397	1.42	1.88
ZNF398	11.322	0.56
ZNF402P	3.496	0
ZNF403	3.207	30.57
ZNF404	1.709	0
ZNF405P	1.518	0
ZNF407	3.48	1.48
ZNF408	2.441	11.47
ZNF41	3.533	0.42
ZNF410	2.178	11.77
ZNF414	1.178	3.44
ZNF415	2.27	0.66
ZNF416	2.509	2.44
ZNF417	3.597	5.31
ZNF418	3.694	1.61
ZNF419	2.309	4.5
ZNF420	2.984	0.36
ZNF423	4.818	6.61
ZNF425	6.701	2.96
ZNF426	2.318	7.13
ZNF428	1.387	29.1
ZNF429	1.897	0.26
ZNF43	5.217	2.18
ZNF430	2.649	4.26
ZNF431	3.798	3.64
ZNF432	2.573	3.88
ZNF433	2.321	1.15
ZNF434	3.027	2.91
ZNF436	3.788	3.55
ZNF438	3.144	0.31
ZNF439	2.55	3.37
ZNF44	3.715	2.77
ZNF440	3.533	2.05
ZNF441	2.828	2.73
ZNF442	2.797	0.25
ZNF443	2.562	0.23
ZNF444	2.043	4.99
ZNF445	9.105	1.88
ZNF446	1.974	2.36
ZNF449	4.034	0.67
ZNF45	3.153	1.07
ZNF451	5.305	8
ZNF452	7.805	0.05

ZNF454	2.3	0
ZNF460	3.139	2.93
ZNF461	3.192	1.27
ZNF462	8.306	3.09
ZNF467	5.087	12.85
ZNF468	5.546	1.07
ZNF469	13.203	0.05
ZNF470	2.514	0.39
ZNF471	4.967	0.62
ZNF473	4.761	0.44
ZNF474	1.957	0
ZNF479	4.144	0
ZNF480	4.717	1.49
ZNF483	5.239	0.1
ZNF484	3.248	3.56
ZNF485	2.052	0.04
ZNF486	4.268	0.51
ZNF487	1.266	0.7
ZNF488	3.496	0
ZNF490	6.345	0.89
ZNF491	2.823	0.28
ZNF492	3.573	0.03
ZNF493	4.209	0.64
ZNF496	2.834	7.79
ZNF497	3.466	0.92
ZNF498	9.164	3.13
ZNF500	3.252	3.8
ZNF501	3.063	0.55
ZNF502	3.27	1.18
ZNF503	2.787	0
ZNF506	4.425	3.75
ZNF507	7.585	0.9
ZNF508	5.388	35.13
ZNF509	2.885	1.31
ZNF510	5.154	2.19
ZNF511	1.08	4.04
ZNF512	3.426	6.96
ZNF513	2.136	18.76
ZNF514	3.204	3.34
ZNF516	8.822	6.46
ZNF517	2.536	2.42
ZNF518	7.282	1.43
ZNF519	1.968	0.9
ZNF521	4.87	0.84
ZNF524	1.109	2.76
ZNF525	3.902	0.38
ZNF526	3.954	1.78
ZNF528	3.978	1.99
ZNF529	4.466	4.32
ZNF530	2.959	0.77

ZNF532	6.464	0.11
ZNF533	3.123	0
ZNF534	2.085	0
ZNF536	4.935	0
ZNF540	3.147	0.04
ZNF541	2.944	0
ZNF542	14.559	0.57
ZNF543	3.755	2.21
ZNF544	3.732	4.5
ZNF545	2.616	0.84
ZNF546	4.508	0.31
ZNF547	2.776	1.53
ZNF548	3.381	5.04
ZNF549	3.969	1.15
ZNF550	1.146	2.85
ZNF551	3.663	6.75
ZNF552	2.07	3.44
ZNF553	2.203	1.12
ZNF554	2.486	1.87
ZNF555	2.062	1.35
ZNF556	1.632	0
ZNF557	1.362	1.24
ZNF558	3.014	2.92
ZNF559	3.042	0.81
ZNF560	2.865	0
ZNF561	3.394	4.08
ZNF562	5.523	2.44
ZNF563	2.754	0.11
ZNF564	2.553	3.88
ZNF565	2.506	0.6
ZNF566	2.643	0.56
ZNF567	2.689	2.28
ZNF568	3.774	0.26
ZNF569	4.059	0.49
ZNF57	1.935	4.5
ZNF570	2.247	0.52
ZNF571	2.276	0.26
ZNF572	3.26	0.52
ZNF573	2.501	0
ZNF574	3.601	3.16
ZNF575	1.55	0.64
ZNF576	1.468	1.08
ZNF577	3.064	1.68
ZNF578	1.723	0
ZNF579	2.136	4.86
ZNF580	2.173	16.53
ZNF581	1.226	21.14
ZNF582	2.297	0.26
ZNF583	2.566	0.43
ZNF584	2.261	0.39

ZNF585A	4.194	0.81
ZNF585B	2.971	0.23
ZNF586	2.163	17.11
ZNF587	3.553	4.1
ZNF588	11.016	3.74
ZNF589	2.374	2.29
ZNF592	5.39	17.84
ZNF593	0.621	9.56
ZNF594	4.863	0.12
ZNF595	2.86	1.62
ZNF596	2.598	0.35
ZNF597	1.773	1.12
ZNF598	3.197	7.24
ZNF599	4.707	0.11
ZNF600	3.816	1.07
ZNF605	6.163	1.4
ZNF606	4.226	1.69
ZNF607	4.352	0.22
ZNF608	5.645	4.69
ZNF609	8.618	2.17
ZNF610	1.983	2
ZNF611	3.153	0.91
ZNF613	2.625	0.76
ZNF614	4.613	1.97
ZNF615	4.033	1.48
ZNF616	3.047	0.39
ZNF618	2.992	0.89
ZNF619	2.2	0.85
ZNF620	2.102	1.08
ZNF621	8.106	1.94
ZNF622	1.692	15.5
ZNF623	5.871	1.45
ZNF624	4.232	0.89
ZNF625	1.678	1.54
ZNF626	1.126	1.58
ZNF627	2.772	2.25
ZNF628	3.843	1.16
ZNF629	6.087	6.45
ZNF630	2.561	0.43
ZNF638	6.615	3.66
ZNF639	3.013	7.58
ZNF641	2.326	1.02
ZNF642	2.159	0.19
ZNF643	1.976	0.7
ZNF644	5.888	5.68
ZNF645	1.515	0.07
ZNF646	6.183	1.86
ZNF648	3.649	0
ZNF649	3.169	0.87
ZNF650	4.68	3

ZNF652	7.76	17.26
ZNF653	2.152	0.42
ZNF654	2.404	7.73
ZNF655	23.955	3.5
ZNF658	3.966	0
ZNF658B	3.375	0
ZNF659	1.655	0
ZNF66	2.1	0.14
ZNF660	2.205	0.85
ZNF662	3.919	0.03
ZNF664	5.108	3.29
ZNF665	3.478	0.14
ZNF667	3.326	0.03
ZNF668	2.625	3.32
ZNF669	1.905	8.1
ZNF670	2.005	10.32
ZNF671	2.422	9.31
ZNF672	2.936	12.87
ZNF673	2.292	3.28
ZNF674	2.689	0.85
ZNF675	1.87	6.25
ZNF676	2.091	0
ZNF677	3.493	0.03
ZNF678	2.525	0.67
ZNF679	2.776	0
ZNF680	6.052	0.35
ZNF681	2.132	1.02
ZNF682	1.495	1.46
ZNF683	1.71	0.12
ZNF684	2.094	0.94
ZNF687	4.508	13.21
ZNF688	2.125	1.72
ZNF689	2.722	4.54
ZNF69	1.438	1.17
ZNF691	1.577	1.25
ZNF692	1.931	2.46
ZNF695	0.871	0.57
ZNF696	2.691	0.29
ZNF697	5.08	0.04
ZNF7	2.353	6.64
ZNF70	4.017	2.93
ZNF700	2.865	9.6
ZNF701	2.864	1.04
ZNF702	2.996	0.06
ZNF703	2.174	3
ZNF704	4.844	4.82
ZNF705A	3.438	0.03
ZNF705C	26.169	0
ZNF706	4.958	45.26
ZNF707	2.218	5

ZNF708	4.003	1.49
ZNF709	2.154	3.9
ZNF71	3.105	0.77
ZNF710	3.082	1.16
ZNF711	4.126	6.86
ZNF713	4.13	0.17
ZNF714	2.692	0.3
ZNF716	2.601	0
ZNF718	2.149	0.23
ZNF720	4.133	5.77
ZNF721	4.492	2.75
ZNF724P	64.181	0.4
ZNF738	3.61	0.88
ZNF74	3.758	0.29
ZNF740	2.352	4.29
ZNF746	7.384	3.72
ZNF747	2.371	1.71
ZNF749	2.076	0.95
ZNF75	5.538	1.18
ZNF750	3.158	0.06
ZNF75A	2.071	6.83
ZNF75B	2.543	0
ZNF76	2.653	4.84
ZNF761	3.681	1.94
ZNF763	2.639	1.09
ZNF764	2.738	3.11
ZNF765	4.577	0.95
ZNF766	2.975	5.09
ZNF767	7.04	2.58
ZNF768	2.312	9.88
ZNF77	2.001	1.83
ZNF770	5.403	6.57
ZNF771	1.899	0.84
ZNF772	5.419	2.03
ZNF773	2.203	3.64
ZNF774	1.773	0.05
ZNF775	4.46	1.26
ZNF776	5.135	7.42
ZNF777	3.524	4.29
ZNF778	2.915	1.77
ZNF780A	1.824	0.49
ZNF780B	2.502	0.24
ZNF781	3.078	0
ZNF782	3.313	0.27
ZNF783	6.299	5.08
ZNF784	2.361	6.08
ZNF785	3.183	1.03
ZNF786	6.679	0.46
ZNF787	1.928	20.89
ZNF788	2.106	0.56

ZNF789	3.534	5.07
ZNF79	2.077	1.81
ZNF790	2.413	0.28
ZNF791	2.474	5.68
ZNF792	3.284	0.87
ZNF793	2.412	0.25
ZNF799	3.931	0.45
ZNF8	2.21	6.44
ZNF80	2.56	0.04
ZNF800	8.444	3.72
ZNF804A	4.685	0
ZNF804B	9.176	0
ZNF805	8.865	1.62
ZNF808	1.147	0.95
ZNF81	3.745	0.52
ZNF813	3.571	0.52
ZNF815	2.73	0.4
ZNF816A	2.697	1.02
ZNF818	2.379	1.04
ZNF83	2.764	15.22
ZNF84	3.467	3.16
ZNF85	2.296	1.98
ZNF91	3.838	2.66
ZNF92	6.712	0.96
ZNF93	2.423	0.12
ZNF99	3.111	0
ZNFX1	7.321	18.98
ZNHIT1	2.378	6.99
ZNHIT2	1.296	3.51
ZNHIT3	1.366	6.67
ZNHIT4	1.685	24.42
ZNRD1	3.029	0.39
ZNRF1	4.633	0.64
ZNRF2	6.92	5.49
ZNRF3	6.989	0.1
ZNRF4	1.426	0
ZP1	1.972	0
ZP2	2.266	0
ZP3	2.9	1.37
ZP4	1.635	0
ZPBP	2.477	1
ZPBP2	2.257	0
ZPLD1	3.619	0
ZRANB1	3.747	25
ZRANB2	4.765	9.47
ZRANB3	3.698	0.61
ZRF1	4.424	5.03
ZRF1PS	4.028	0.14
ZRSR1	1.551	3.76
ZRSR2	1.491	7.96

ZSCAN1	2.054	0
ZSCAN10	2.463	0
ZSCAN12	3.911	2.81
ZSCAN16	1.276	5.43
ZSCAN18	2.779	15.38
ZSCAN2	4.406	2.29
ZSCAN20	3.997	0.05
ZSCAN21	3.978	0.82
ZSCAN22	4.629	0.28
ZSCAN29	2.556	2.98
ZSCAN4	2.231	0.09
ZSCAN5	1.922	0.2
ZSWIM1	2.169	2.42
ZSWIM2	2.446	0
ZSWIM3	2.776	0.43
ZSWIM4	5.075	3.2
ZSWIM5	6.157	0.04
ZSWIM6	5.545	2.98
ZUBR1	16.132	13.75
ZW10	2.884	1.51
ZWILCH	2.832	0.8
ZWINT	3.591	3.23
ZXDA	2.871	4.1
ZXDB	5.642	4.42
ZXDC	2.648	6.68
ZYG11A	2.428	0
ZYG11B	6.404	1.46
ZYX	4.636	12.14
ZZEF1	11.859	7.13
ZZZ3	4.325	2.36

Relapse

Gene ID	Transcript length (kb)	RPKM
15E1.2	0.763	12.36
3.8-1	3.537	0.03
3.8-1.2	0.456	0
3.8-1.3	1.166	0
3.8-1.4	1.169	0
3.8-1.5	3.517	0.02
5-HT3c2	23.774	0
76P	3.087	4.2
7A5	6.372	0
A1BG	3.386	2.59
A2BP1	6.388	0.01
A2M	4.653	13.74
A2ML1	5.123	0.05
A2MP	2.707	0.97
A3GALT2	1.023	0

A4GALT	2.092	0.85
A4GNT	1.243	0
AAA1	4.13	0
AAAS	1.799	24.35
AACP	1.969	0
AACS	3.234	9.25
AADAC	1.606	0
AADACL1	4.289	0.53
AADACL2	1.485	0
AADACL3	1.266	0
AADACL4	1.575	0
AADAT	2.45	0
AAK1	3.228	2.56
AAMP	1.792	43.15
AANAT	1.005	0.08
AARS	3.344	34.11
AARS2	4.073	6.66
AARSD1	1.79	15.53
AASDH	3.562	3.14
AASDHPPT	2.861	6.19
AASS	6.466	1.39
AATF	2.141	33.52
AATK	5.843	0.02
ABAT	4.871	0.69
ABBA-1	4.977	7.24
ABC1	3.924	2.86
ABCA1	10.412	1.1
ABCA10	6.33	0.03
ABCA11	50.51	0.27
ABCA12	9.366	0
ABCA13	34.093	0.04
ABCA2	8.36	5.74
ABCA3	6.467	0.08
ABCA4	7.3	0.03
ABCA5	7.147	0.01
ABCA6	5.296	0
ABCA7	6.869	2.38
ABCA8	5.721	0.01
ABCA9	6.301	4.37
ABCB1	9.744	0.03
ABCB10	3.856	2.27
ABCB10P	0.453	0
ABCB11	4.775	0
ABCB4	11.926	0.14
ABCB5	5.812	0.03
ABCB6	2.972	3.35
ABCB7	2.387	9.98
ABCB8	4.878	3.37
ABCB9	6.199	1.24
ABCC1	7.445	14.96

ABCC10	5.088	1.87
ABCC11	4.926	0
ABCC12	5.168	0
ABCC13	34.516	0
ABCC2	4.862	0.19
ABCC3	5.156	0.07
ABCC4	5.833	6.15
ABCC5	7.062	3.08
ABCC6	4.535	0.06
ABCC8	4.977	0
ABCC9	4.788	0
ABCD1	3.616	6.76
ABCD1P2	0.782	0
ABCD1P3	0.785	0
ABCD1P4	0.782	0
ABCD2	3.944	0.08
ABCD3	3.403	2.63
ABCD4	6.249	9.1
ABCE1	3.524	10.59
ABCF1	10.394	0
ABCF2	7.904	7.97
ABCF3	2.547	15.71
ABCG1	5.055	16.47
ABCG2	4.431	0.51
ABCG4	3.836	0
ABCG5	2.74	0
ABCG8	2.665	0
ABHD1	1.446	0.18
ABHD10	2.569	8.56
ABHD11	6.888	0.1
ABHD12	2.235	12.25
ABHD13	5.302	1.26
ABHD14A	1.062	15.78
ABHD14B	1.816	78.07
ABHD2	9.085	5.21
ABHD3	2.024	4.37
ABHD4	2.509	9.43
ABHD5	1.428	1.42
ABHD6	2.343	0.32
ABHD7	1.418	0
ABHD8	2.041	12.34
ABHD9	1.81	0.19
ABI1	3.668	18.6
ABI1P	3.476	0.12
ABI2	1.761	5.88
ABI3	2.109	7.31
ABI3BP	4.453	0.02
ABL1	7.951	24.6
ABL2	3.967	0.93
ABLIM1	8.391	2.99

ABLIM2	3.393	0.03
ABLIM3	4.256	0.08
ABO	1.579	0
ABP1	4.856	0.03
ABR	5.402	8.67
ABRA	1.321	0
ABT1	2.255	16.18
ABTB1	2.52	16.65
ABTB2	4.149	0.79
ACAA1	1.695	29.37
ACAA2	1.584	32.76
ACACA	12.805	2.9
ACACB	9.241	0.62
ACAD10	3.959	8.51
ACAD11	3.504	7.46
ACAD8	2.231	6.57
ACAD9	2.454	12.74
ACADL	2.424	0
ACADM	2.192	19.44
ACADS	1.82	7.64
ACADSB	5.836	0.97
ACADV1	2.781	104.13
ACAN	7.428	0
ACAT1	1.518	24.52
ACAT2	1.455	7.24
ACBD3	3.565	7.96
ACBD4	1.979	4.26
ACBD5	2.286	3.36
ACBD6	1.499	17.53
ACBD7	2.379	0.64
ACCN1	3.443	0
ACCN2	4.008	0.14
ACCN3	4.202	0.34
ACCN4	2.741	0
ACCN5	1.692	0
ACD	2.034	14.5
ACE	7.288	0.08
ACE2	3.393	0
ACF	0.1	0
ACHE	6.598	0.25
ACIN1	5.985	49.77
ACLY	4.353	37.68
ACMSD	1.305	0.07
ACN9	1.89	2.18
ACO1	3.497	3.37
ACO2	2.741	48.62
ACOT1	1.603	1.42
ACOT11	3.292	0
ACOT12	1.821	0
ACOT2	1.76	10.96

ACOT4	1.632	0.1
ACOT6	1.004	0
ACOT7	2.389	7.01
ACOT8	1.618	12.02
ACOT9	1.727	6.25
ACOX1	7.675	5.91
ACOX2	2.296	0
ACOX3	2.411	5.03
ACOXL	2.007	0
ACP1	1.639	35
ACP2	2.109	6.31
ACP5	1.415	0.71
ACP6	1.788	2.26
ACPL2	3.181	0.08
ACPP	3.085	0.19
ACPT	1.867	0
ACR	1.375	0.18
ACRBP	1.886	1.11
ACRC	2.791	0.66
ACRV1	2.638	0.07
ACSBG1	2.83	0.21
ACSBG2	2.712	0.06
ACSL1	3.805	1.06
ACSL3	4.361	7.61
ACSL4	5.572	3.28
ACSL5	3.929	22.17
ACSL6	3.125	0.19
ACSM1	1.945	0.04
ACSM2	1.988	0
ACSM3	2.372	1.35
ACSS1	4.473	32.77
ACSS2	3.221	11.24
ACTA1	1.493	0.17
ACTA2	1.33	2.66
ACTB	3.588	864.74
ACTBL1	2.124	0
ACTBP2	1.78	102.74
ACTBP4	1.742	0.63
ACTBP7	1.121	14.73
ACTBP8	1.661	1.32
ACTC1	1.493	0.06
ACTG1	1.919	1111.7
ACTG2	1.331	0.19
ACTGP1	1.951	0.6
ACTGP10	0.909	0.47
ACTGP2	2.102	2.85
ACTGP3	1.114	0.31
ACTGP9	1.651	2.75
ACTL6A	2.335	14.43
ACTL6B	2.99	0.51

ACTL7A	1.433	0
ACTL7B	1.34	0
ACTL8	1.825	0
ACTN1	3.398	45.69
ACTN2	4.181	0
ACTN3	2.857	0
ACTN4	3.893	165.27
ACTR10	1.587	9.61
ACTR1A	2.823	28.92
ACTR1B	2.052	35.51
ACTR2	3.861	72.02
ACTR3	2.712	41.16
ACTR3B	4.398	0.87
ACTR5	2.224	4.28
ACTR6	1.755	3.55
ACTR8	3.525	5.18
ACTRT1	1.437	0.06
ACTRT2	1.422	0
ACVR1	2.951	3.25
ACVR1B	5.536	5.89
ACVR1C	3.251	0
ACVR2A	5.244	0.42
ACVR2B	1.584	0.69
ACVRL1	1.971	2.65
ACY1	1.415	11.25
ACY1L2	4.708	3.51
ACY3	1.3	28.12
ACYP1	1.129	11.27
ACYP2	1.068	6.08
ADA	1.532	106.28
ADAL	1.559	2.65
ADAM1	2.44	3.48
ADAM10	4.367	23.8
ADAM11	4.402	0.08
ADAM12	6.395	0.04
ADAM15	3.481	9.76
ADAM17	3.572	3.07
ADAM18	2.248	0
ADAM19	7.074	2.67
ADAM2	2.643	0
ADAM20	2.792	0.09
ADAM21	2.406	0.07
ADAM21P	1.908	0
ADAM22	8.596	0.1
ADAM23	3.056	0
ADAM28	3.862	0
ADAM29	3.275	0
ADAM30	2.958	0
ADAM32	2.606	0
ADAM33	3.519	3.99

ADAM3A	74.183	0
ADAM3B	0.577	0
ADAM6	4.382	0
ADAM7	2.57	0
ADAM8	3.265	5.36
ADAM9	5.896	0.65
ADAMDEC1	2.175	0
ADAMTS1	4.651	0
ADAMTS10	4.237	0.86
ADAMTS12	4.955	0
ADAMTS13	5.81	0.26
ADAMTS14	3.878	1.3
ADAMTS15	2.853	0
ADAMTS16	3.227	0
ADAMTS17	3.448	0.03
ADAMTS18	6.102	0.02
ADAMTS19	5.089	0
ADAMTS2	3.708	0.11
ADAMTS20	6.337	0
ADAMTS3	5.821	0.1
ADAMTS4	4.331	1.38
ADAMTS5	9.046	0
ADAMTS6	7.268	0.12
ADAMTS7	5.487	2.66
ADAMTS8	4.012	0.04
ADAMTS9	7.313	0
ADAMTSL1	3.731	1.17
ADAMTSL2	3.726	0
ADAMTSL3	7.333	0
ADAMTSL4	4.477	3.13
ADAMTSL5	2.682	0.09
ADAR	8.605	36.07
ADARB1	10.69	0.1
ADARB2	7.543	8.45
ADAT1	2.727	3.37
ADC	2.182	1.23
ADCK1	2.183	4.55
ADCK2	4.728	5.88
ADCK4	2.253	6.73
ADCK5	1.965	3.82
ADCY1	25	0.01
ADCY2	6.551	0.04
ADCY3	4.651	17.42
ADCY4	3.82	2.36
ADCY5	4.91	6.47
ADCY6	6.731	11.04
ADCY7	6.142	8.13
ADCY8	5.938	0
ADCY9	7.725	5.35
ADCYAP1	1.95	0

ADCYAP1R1	3.286	0
ADD1	6.212	41.6
ADD2	7.587	0.55
ADD3	4.628	15
ADFP	1.98	103.89
ADH1A	1.456	0
ADH1B	2.666	0.29
ADH1C	1.473	0
ADH4	1.98	0.04
ADH5	2.644	14.68
ADH6	1.398	0
ADH7	2.147	0
ADHFE1	1.83	0.42
ADI1	1.627	29.67
ADIPOQ	4.578	0.11
ADIPOR1	2.069	30.12
ADIPOR2	3.965	26.68
ADK	2.219	4.71
ADLICANP	31.371	0
ADM	1.449	0.88
ADM2	4.05	0.6
ADMR	1.57	0.11
ADNP	5.044	19.26
ADORA1	2.86	0
ADORA2A	2.388	5.4
ADORA2B	1.885	0.63
ADORA2BP	1.779	0
ADORA3	3.408	0.17
ADPGK	2.492	21.37
ADPRH	3.439	1.05
ADPRHL1	2.891	1.34
ADPRHL2	1.658	15.45
ADPRTL4	23.596	0.03
ADRA1A	4.146	0
ADRA1B	2.346	27.04
ADRA1D	2.128	0
ADRA2A	3.65	0
ADRA2B	3.266	0.05
ADRA2C	1.958	0.08
ADRB1	1.723	0
ADRB2	2.011	0.17
ADRB3	2.644	0
ADRBK1	3.602	171.74
ADRBK2	3.628	0.05
ADRM1	1.48	47.64
ADSL	1.681	36.33
ADSS	2.757	8.74
ADSSL1	2.078	1.01
ADTB1L1	0.191	0
ADTB1L2	0.102	0

AEBP1	8.161	31.04
AEBP2	4.041	5.48
AES	2.162	241.68
AF357530	0.8	5.58
AF357532	0.8	0.21
AF357533	1.1	0
AF357534	0.85	0.5
AFAP1	7.668	0.41
AFAP1L1	4.153	20.99
AFAP1L2	4.965	22.66
AFAR3	1.984	0.08
AFARP1	1.324	4.58
AFF1	9.391	7.4
AFF2	13.746	0.99
AFF3	8.213	10.25
AFF4	9.528	2.83
AFG3L1	5.419	5.19
AFG3L2	2.963	13.27
AFM	1.997	0
AFMID	1.7	7.78
AFP	2.032	0
AFTPH	4.246	8.07
AGA	2.041	1.9
AGBL1	2.255	0
AGBL2	3.391	0.25
AGBL3	5.938	0.02
AGBL4	3.938	0.03
AGER	5.994	0
AGGF1	4.466	4.41
AGK	5.558	3.62
AGL	8.713	0.58
AGMAT	2.196	0.04
AGPAT1	6.897	0
AGPAT2	1.548	28.03
AGPAT3	6.609	7.43
AGPAT4	14.78	2.85
AGPAT5	3.684	6.33
AGPAT6	2.592	14.66
AGPAT7	1.908	14.66
AGPS	3.71	13.53
AGR2	3.364	0
AGR3	1.5	0
AGRN	7.319	12.22
AGRP	0.764	0
AGT	2.189	0
AGTPBP1	4.218	4.38
AGTR1	2.573	0
AGTR2	2.449	0
AGTRAP	3.041	11.63
AGTRL1	3.847	0.04

AGXT	1.599	0
AGXT2	2.165	0
AGXT2L1	2.099	0
AGXT2L2	2.826	23.04
AHCTF1	8.516	2.1
AHCTF1P	7.176	1.29
AHCY	2.11	116.25
AHCYL1	3.893	20.04
AHDC1	5.959	16.83
AHI1	5.529	0.75
AHNAK	19.263	11.88
AHR	11.628	1.85
AHRR	2.48	0.14
AHSA1	1.371	87.49
AHSA2	2.137	10.32
AHSG	1.534	0
AICDA	2.791	1.42
AIF1	6.222	0
AIFM1	2.346	14.5
AIFM2	3.24	0.73
AIFM3	2.721	0
AIG1	1.385	0.73
AIM1	7.548	2.68
AIM1L	1.831	0
AIM2	1.484	0
AIP	1.212	79.58
AIPL1	2.971	0
AIRE	3.16	0
AJAP1	2.922	0
AK1	2.277	33.66
AK2	5.046	46.05
AK2B	1.978	17
AK3	2.642	13.36
AK3L1	2.669	0.09
AK3L2	0.672	0
AK3P1	0.672	0.13
AK5	4.44	0
AK7	2.649	0
AKAP1	3.799	11.27
AKAP10	2.917	2.71
AKAP11	15.075	1.47
AKAP12	7.843	1.35
AKAP13	13.551	15.55
AKAP14	1.006	0
AKAP2	6.866	3.19
AKAP3	3.02	0.2
AKAP4	3.188	0
AKAP5	2.601	0.03
AKAP6	10.342	0
AKAP7	3.121	1.27

AKAP8	3.531	8.31
AKAP8L	2.114	38.73
AKAP9	28.573	0.73
AKNA	5.549	64.49
AKR1A1	1.535	77.54
AKR1B1	2.796	35.88
AKR1B10	3.07	0
AKR1C1	1.379	0.06
AKR1C2	1.59	0.05
AKR1C3	1.224	3.44
AKR1C4	1.194	0
AKR1CL1	2.131	0
AKR1CL2	1.61	0.05
AKR1D1	5.384	0
AKR1D1P	1.048	0
AKR7A2	1.362	33.46
AKR7A3	1.241	0.2
AKT1	3.333	30.02
AKT1S1	2.327	12.67
AKT2	3.569	36.46
AKT3	4.058	1.54
AKTIP	2.334	2.24
ALAD	3.54	12.97
ALAS1	2.563	12.16
ALAS2	2.367	14.06
ALB	2.216	0
ALCAM	4.741	3.36
ALDH16A1	2.607	17.64
ALDH18A1	3.616	20.11
ALDH1A1	2.096	0.2
ALDH1A2	3.563	0.03
ALDH1A3	3.442	0.66
ALDH1B1	3.025	1.22
ALDH1L1	3.125	0
ALDH1L2	2.794	0
ALDH2	2.4	0.66
ALDH3A1	1.641	0
ALDH3A2	5.861	0.14
ALDH3B1	2.815	2.1
ALDH3B2	2.689	0.03
ALDH4A1	3.56	5.58
ALDH5A1	5.17	11.78
ALDH6A1	2.183	4.01
ALDH7A1	1.882	16.07
ALDH7A1P1	1.816	10.81
ALDH8A1	2.542	0.07
ALDH9A1	2.696	11.18
ALDOA	2.736	234.08
ALDOAP1	1.97	7.83
ALDOAP2	1.076	48.62

ALDOB	1.653	0.05
ALDOC	1.651	19.9
ALDRP	1.596	2.69
ALF	1.924	0
ALG1	2.132	7
ALG10	3.128	0.81
ALG10B	1.763	0.76
ALG11	2.538	2.09
ALG12	2.375	15.5
ALG13	1.327	3.37
ALG14	1.015	3.07
ALG2	2.83	4.1
ALG3	1.52	33.81
ALG5	1.127	11.21
ALG6	1.979	4.34
ALG8	1.997	9.49
ALG9	2.07	5.25
ALK	6.22	0
ALKBH1	4.512	0.82
ALKBH2	0.996	7.27
ALKBH3	1.519	10.93
ALKBH4	4.14	2.16
ALKBH5	2.963	41.9
ALKBH6	1.239	4.76
ALKBH7	1.11	28.83
ALKBH8	1.677	2.21
ALLC	2.747	0
ALMS1	12.922	1.04
ALOX12	2.335	0.76
ALOX12B	2.471	0
ALOX12P1	0.431	0
ALOX12P2	52.658	0.02
ALOX15	2.684	0.03
ALOX15B	2.873	0.03
ALOX5	2.554	9.86
ALOX5AP	0.873	12.35
ALOXE3	3.362	0
ALPI	2.516	0
ALPK1	4.28	2.14
ALPK2	6.483	0.02
ALPK3	10.914	0.06
ALPL	2.582	0.32
ALPP	2.867	0
ALPPL2	2.486	0
ALS2	6.47	1.24
ALS2CL	5.048	0.69
ALS2CR11	2.104	0
ALS2CR12	1.78	0.05
ALS2CR13	5.463	1.57
ALS2CR16	0.883	0

ALS2CR2	2.174	3.76
ALS2CR4	2.076	1.83
ALS2CR7	1.534	0
ALS2CR8	3.44	1.2
ALX3	1.771	0.48
ALX4	1.586	0
AMAC1	1.839	0.04
AMAC1L1	1.201	0
AMAC1L2	1.201	0
AMAC1L3	1.195	0.07
AMACR	4.247	1.98
AMBN	1.977	0.08
AMBP	1.397	0
AMD1	3.895	16.91
AMDHD1	2.135	0
AMDHD2	1.521	2.77
AMDP1	1.569	0
AMELX	0.835	0
AMELY	0.802	0
AMFR	3.594	28.34
AMH	2.008	0.3
AMHR2	1.855	0
AMICA1	1.959	0.52
AMIGO1	2.439	1
AMIGO2	3.763	0.04
AMIGO3	2.159	4.44
AMMECR1	5.417	1.14
AMMECR1L	4.648	4.35
AMN	1.896	1.02
AMN1	1.966	1.33
AMOT	6.514	2.47
AMOTL1	8.999	3.27
AMOTL2	4.984	0.34
AMPD1	2.341	0
AMPD2	4.711	8.34
AMPD3	5.396	2.84
AMPH	6.542	0
AMT	2.103	2.12
AMTN	0.996	0
AMY1A	2.03	0
AMY1B	1.838	0
AMY1C	1.86	0
AMY2A	1.632	0
AMY2B	2.181	0.62
AMYP1	6.17	0
AMZ1	8.83	0.07
AMZ2	2.246	15.94
ANAPC1	6.312	5.1
ANAPC10	0.918	6.33
ANAPC11	2.156	19.66

ANAPC13	1.17	14.91
ANAPC2	2.7	16.28
ANAPC4	2.672	3.5
ANAPC5	2.45	47.93
ANAPC7	2.348	18.51
ANG	0.789	0.96
ANGEL1	4.058	12.43
ANGEL2	4.649	2.16
ANGPT1	4.338	0
ANGPT2	2.227	0.68
ANGPT4	1.922	0.04
ANGPTL1	3.546	0
ANGPTL2	3.572	6.34
ANGPTL3	2.126	0
ANGPTL4	1.903	0.84
ANGPTL5	2.37	0
ANGPTL6	1.857	2.13
ANGPTL7	2.238	0
ANK1	12.022	0.76
ANK2	14.15	0
ANK3	15.717	0
ANKAR	4.109	0.16
ANKDD1A	2.802	0.42
ANKFN1	2.426	0
ANKFY1	8.089	4.34
ANKH	4.086	0.68
ANKHD1	8.554	6.22
ANKIB1	13.01	1.44
ANKK1	2.543	0
ANKMY1	3.595	3.99
ANKMY2	5	2.42
ANKRA2	2.047	4.4
ANKRD1	1.974	0
ANKRD10	3.892	21.62
ANKRD11	10.289	10.3
ANKRD12	9.036	1.99
ANKRD13A	3.91	14
ANKRD13B	2.632	1.31
ANKRD13C	2.799	2.35
ANKRD13D	2.219	17.34
ANKRD15	8.075	2.48
ANKRD16	2.49	6.16
ANKRD17	9.375	11.06
ANKRD18A	2.421	0
ANKRD18B	4.327	0
ANKRD19	2.234	21.15
ANKRD2	1.451	0
ANKRD20A1	3.511	0
ANKRD20A2	3.511	0
ANKRD20A3	3.964	0

ANKRD20B	100.107	0
ANKRD21	1.826	0
ANKRD22	1.127	0.15
ANKRD23	2.582	0.55
ANKRD24	3.861	0.26
ANKRD25	5.188	25.81
ANKRD26	5.36	0.83
ANKRD27	4.423	3.54
ANKRD28	6.339	4.53
ANKRD29	2.276	0.59
ANKRD30A	4.458	0
ANKRD30B	3.429	0
ANKRD31	6.036	0
ANKRD32	1.854	1.73
ANKRD33	1.935	0
ANKRD34	3.612	0.42
ANKRD35	3.323	0.03
ANKRD36	2.905	0.17
ANKRD37	0.934	2.25
ANKRD38	4.493	0
ANKRD39	0.837	9.87
ANKRD40	2.312	13.26
ANKRD41	2.907	3.25
ANKRD42	2.302	0.4
ANKRD43	3.2	0
ANKRD44	3.908	2.46
ANKRD45	2.671	0.13
ANKRD46	2.779	1.43
ANKRD47	2.786	1.03
ANKRD49	1.905	4.74
ANKRD5	3.823	0
ANKRD50	7.763	0.59
ANKRD53	1.962	0.08
ANKRD54	2.049	8.97
ANKRD55	2.837	0.06
ANKRD56	2.921	0
ANKRD57	4.673	0.02
ANKRD58	1.725	12.8
ANKRD6	2.969	0.65
ANKRD7	2.126	0
ANKRD9	1.626	0.72
ANKS1A	6.348	3.83
ANKS1B	6.543	0.09
ANKS3	2.662	2.5
ANKS4B	2.906	0
ANKS6	7.147	2.77
ANKZF1	2.496	15.8
ANLN	9.54	0.91
ANP32A	2.101	100.39
ANP32B	1.461	180

ANP32C	0.705	7.53
ANP32D	0.396	2.55
ANP32E	3.269	15.72
ANPEP	3.478	0.94
ANTXR1	6.746	0.59
ANTXR2	4.117	45.32
ANTXRL	1.946	0.04
ANUBL1	3.241	1.27
ANXA1	1.399	2.83
ANXA10	1.428	0
ANXA11	2.73	85.59
ANXA13	1.593	0
ANXA2	1.81	30.3
ANXA2P1	1.343	1.01
ANXA2P2	1.298	19.92
ANXA2P3	1.355	1.31
ANXA3	1.331	2.91
ANXA4	1.957	19.45
ANXA5	1.632	0.62
ANXA6	2.915	43.08
ANXA7	2.173	24.65
ANXA8	2.03	0
ANXA9	1.765	0.05
AOAH	4.498	0.19
AOC2	2.87	0.12
AOC3	4.026	0.15
AOF1	4.002	7.28
AOF2	3.191	29.78
AOX1	4.934	0.05
AOX2	24.514	0.01
AP1B1	4.175	119.73
AP1G1	6.85	5.97
AP1G2	3.814	22.5
AP1GBP1	5.098	4.58
AP1M1	2.284	37.88
AP1M2	1.751	0
AP1S1	2.466	12.6
AP1S2	2.283	3.77
AP1S3	4.002	0.08
AP2A1	3.499	27.13
AP2A2	4.616	12.01
AP2B1	5.763	32.74
AP2M1	1.94	202.47
AP2S1	0.89	112.54
AP3B1	3.986	9.53
AP3B2	3.704	0
AP3D1	4.868	29.52
AP3M1	3.713	10.1
AP3M2	3.471	3.28
AP3S1	2.045	9.64

AP3S2	2.562	6.54
AP4B1	2.434	5.54
AP4E1	6.682	2.31
AP4M1	3.634	2.62
AP4S1	1.572	0.75
APAF1	10.362	4.69
APBA1	3.778	0.67
APBA2	3.623	0.14
APBA2BP	2.168	4
APBA3	2.158	9.65
APBB1	2.711	2.57
APBB1IP	2.637	87.18
APBB2	4.564	0.02
APBB3	2.273	6.12
APC	10.702	1.61
APC2	10.151	0.17
APCDD1	2.558	13.96
APCDD1L	3.112	0
APCS	0.931	0
APEH	2.758	22.76
APEX1	1.954	156.88
APEX2	1.977	19.09
APH1A	1.963	90.5
APH1B	0.939	0.27
API5	3.734	18.61
APIP	1.225	11.89
APITD1	2.796	1.72
APLN	3.116	0.05
APLP1	2.474	0.14
APLP2	3.721	37.98
APOA1	0.897	1.31
APOA1BP	1.121	37.79
APOA2	0.473	0
APOA4	1.46	0
APOA5	1.867	0
APOB	14.121	0
APOB48R	3.722	1.92
APOBEC1	0.892	0
APOBEC2	1.186	0
APOBEC3A	1.348	0
APOBEC3B	1.536	2.19
APOBEC3C	1.127	34.53
APOBEC3D	1.114	2.95
APOBEC3E	4.687	0.43
APOBEC3F	2.971	6.97
APOBEC3G	1.708	23.47
APOBEC3H	0.916	7.82
APOBEC4	2.648	0
APOC1	0.461	1.28
APOC2	0.721	0

APOC3	0.533	0
APOC4	0.613	0
APOD	1.04	1.05
APOE	1.18	11.63
APOF	1.689	0.05
APOH	1.171	0
APOL1	3.073	5.79
APOL2	2.889	13.06
APOL3	5.534	7.37
APOL4	3.478	24
APOL5	1.438	0
APOL6	10.139	3.34
APOLD1	4.569	1.44
APOM	2.283	0.07
APOO	1.104	6.34
APOOL	0.911	4.81
APP	3.627	59.22
APPBP1	2.113	14.43
APPBP2	6.468	3.03
APPL1	5.969	4.74
APPL2	3.23	8.19
APR-2	0.794	1.16
APRIN	7.437	4.5
APRT	1.045	149.85
APTX	4.391	2.74
APXLP	2.163	0
AQP1	6.25	3.13
AQP10	1.791	0
AQP11	1.446	0.29
AQP12A	1.084	0
AQP2	4.174	0
AQP3	1.824	2.54
AQP4	5.633	0
AQP5	1.32	0
AQP6	2.654	0
AQP7	1.256	0
AQP7P1	22.458	0
AQP7P2	19.277	0
AQP7P3	17.513	0
AQP8	1.308	0.13
AQP9	2.949	0
AQR	5.08	6.22
AR	4.496	0
ARAF	2.467	25.2
ARAFPS2	2.036	0.21
ARC	2.943	0.11
ARCN1	3.904	27.66
ARD1A	0.882	61.79
AREG	1.238	0
ARF1	2.507	122.4

ARF1P1	4.87	0.71
ARF3	3.595	97.12
ARF4	1.603	16.92
ARF4P	0.543	5.28
ARF4P2	0.827	0
ARF4P3	4.223	0.04
ARF5	1.956	55.25
ARF6	2.103	53.31
ARFGAP1	3.533	31.66
ARFGAP3	2.725	12.15
ARFGEF1	7.212	4.55
ARFGEF2	6.327	3.18
ARFIP1	3.223	1.17
ARFIP2	2.596	15.81
ARFRP1	1.74	20.62
ARG1	1.447	0.82
ARG2	1.981	3.4
ARGFX	5.065	0
ARGFXP1	4.865	0.03
ARGFXP2	1.215	0.07
ARHGAP1	3.346	27.54
ARHGAP10	3.056	5.98
ARHGAP11A	6.021	4.15
ARHGAP12	4.172	2.44
ARHGAP15	1.695	18.29
ARHGAP16P	0.781	0.21
ARHGAP17	3.48	35.54
ARHGAP18	3.499	4.82
ARHGAP19	5.463	7.19
ARHGAP20	6.189	0
ARHGAP21	7.109	6.03
ARHGAP22	2.749	4.75
ARHGAP23	6.696	20.39
ARHGAP24	5.651	5.56
ARHGAP25	3.561	14.17
ARHGAP26	9.041	1.74
ARHGAP27	3.628	28.23
ARHGAP28	5.768	0
ARHGAP29	5.573	0.29
ARHGAP30	5.412	37.51
ARHGAP4	3.235	130.37
ARHGAP5	9.749	1.7
ARHGAP6	10.149	0
ARHGAP8	1.725	0
ARHGAP9	2.912	28.9
ARHGDIA	1.862	196.48
ARHGDIB	1.216	837.72
ARHGDIG	0.942	0.09
ARHGEF1	4.602	50.71
ARHGEF10	5.912	1.33

ARHGEF10L	4.494	0.06
ARHGEF11	6.889	7.77
ARHGEF12	9.501	0.28
ARHGEF15	4.165	0.42
ARHGEF16	2.183	0.5
ARHGEF17	7.518	11.02
ARHGEF18	5.345	8.26
ARHGEF19	3.029	1.44
ARHGEF2	4.287	39.35
ARHGEF3	3.56	11.69
ARHGEF4	5.561	0
ARHGEF5	10.976	0.27
ARHGEF6	5.272	13.79
ARHGEF7	8.656	19.49
ARHGEF9	5.412	6.36
ARID1A	8.817	23.74
ARID1B	8.264	11.08
ARID2	8.466	2.64
ARID3A	2.724	3.55
ARID3B	4.205	6.97
ARID3C	1.239	0
ARID4A	4.87	3.25
ARID4B	6.033	4.02
ARID5A	4.096	76.54
ARID5B	7.507	7.61
ARIH1	3.506	12.44
ARIH2	4.236	43.65
ARL1	3.199	11
ARL10	2.402	0.21
ARL11	3.76	6.32
ARL13A	1.002	0
ARL13B	5.449	0.9
ARL14	1.29	0
ARL15	2.789	2.51
ARL16	1.207	11.09
ARL17P1	0.798	0.84
ARL2	0.895	33.6
ARL2BP	2.1	16.6
ARL3	3.87	3.03
ARL4A	6.872	0.13
ARL4C	4.009	0.8
ARL4D	1.585	4.89
ARL4P2	1.147	0
ARL5A	3.594	3.32
ARL5B	3.589	0.24
ARL6	1.453	0.12
ARL6IP1	2.264	55.88
ARL6IP2	2.467	5.97
ARL6IP4	2.243	53.62
ARL6IP5	2.128	32.14

ARL6IP6	1.762	6.02
ARL8A	2.345	15.27
ARL8B	2.985	12.33
ARL9	0.836	4.03
ARMC1	2.649	4
ARMC10	5.258	3.17
ARMC2	3.239	0.59
ARMC3	2.802	0
ARMC4	3.572	0
ARMC5	4.926	6.99
ARMC6	2.289	25.76
ARMC7	2.126	5.7
ARMC8	5.759	3.32
ARMC9	2.178	0.47
ARMCX1	2.141	5.58
ARMCX2	3.079	2.22
ARMCX3	3.545	5.97
ARMCX4	3.833	1.01
ARMCX5	2.944	4.55
ARMCX6	1.848	13.22
ARMET	0.875	77.98
ARMETL1	1.33	0.31
ARMS2	0.808	0
ARNT	7.267	7.25
ARNT2	6.559	0.81
ARNTL	3.015	0.67
ARNTL2	1.93	0.57
ARP11	2.436	0.17
ARPC1A	3.186	12.74
ARPC1B	3.04	45.74
ARPC2	1.522	120.1
ARPC3	0.884	134.36
ARPC3B	0.8	7.68
ARPC4	2.253	99.42
ARPC5	1.982	51.55
ARPC5L	1.328	94.51
ARPM1	2.001	0.71
ARPP-19	5.162	10.15
ARPP-21	5.489	0
ARR3	1.292	0.26
ARRB1	5.465	22.6
ARRB2	1.919	87.35
ARRDC1	1.598	10.28
ARRDC2	2.942	28.4
ARRDC3	4.133	27.94
ARRDC4	4.049	2.46
ARRDC5	1.638	2.88
ARS2	6.954	21.84
ARSA	2.023	11.33
ARSB	6.829	1.63

ARSD	6.319	7.78
ARSDP	24.443	0.01
ARSE	1.858	0.04
ARSEP	15.262	0.01
ARSF	2.012	0
ARSG	2.013	0.21
ARSH	1.689	0
ARSI	1.71	0
ARSJ	4.536	0
ARSK	2.381	0.74
ART1	1.312	0
ART2P	0.69	0
ART3	1.525	0
ART4	1.371	0
ART5	1.451	0
ARTN	2.631	7.08
ARTS-1	5.598	9.48
ARV1	1.445	9.03
ARVCF	4.019	1.53
ARX	2.184	0
AS3MT	1.729	1.21
ASAH1	2.636	7.54
ASAH2	2.289	0.15
ASAH3	0.795	2.12
ASAH3L	2.852	0.47
ASAHL	1.238	7.55
ASAM	2.643	0
ASB1	6.833	1.96
ASB10	3.64	0
ASB11	1.151	0
ASB12	1.069	0.16
ASB13	2.699	18.7
ASB14	2.199	0.5
ASB15	5.412	0
ASB16	2.139	1.26
ASB17	1.105	0
ASB18	2.293	0
ASB2	2.742	0.46
ASB3	2.373	3.26
ASB4	4.54	0
ASB5	2.929	0
ASB6	8.958	4.49
ASB7	3.568	2.5
ASB8	2.613	6.77
ASB9	2.735	2.31
ASCC1	2.076	20.45
ASCC2	2.781	24.86
ASCC3	10.492	3.14
ASCC3L1	7.173	40.16
ASCIZ	4.866	6.4

ASCL1	2.469	0
ASCL2	1.849	1.78
ASCL3	0.65	0
ASCL4	2.254	0
ASCL5	0.837	0
ASF1A	2.059	3.68
ASF1B	1.731	20.15
ASGR1	1.283	3.68
ASGR2	1.747	0.34
ASH1L	9.926	2.55
ASH2L	2.36	25.48
ASH2LP1	1.411	0.06
ASIP	0.584	1.01
ASL	4.344	2.89
ASLL	4.186	0.54
ASMT	1.37	1.11
ASMTL	1.891	20
ASNA1	1.28	61.07
ASNS	5.904	0.4
ASNSD1	2.448	5.85
ASPA	1.418	0.06
ASPH	7.176	0.01
ASPHD1	1.478	0.17
ASPHD2	1.884	3.26
ASPM	10.434	1.83
ASPN	2.47	0
ASPSCR1	1.843	9.87
ASRGL1	1.321	0.07
ASS1	1.67	1.92
ASSP10	1.545	0
ASSP12	1.227	0.27
ASSP2	1.51	0
ASSP4	1.52	0
ASSP5	1.498	0
ASSP6	1.529	0
ASSP8	0.876	0
ASSP9	1.542	0.11
ASTE1	2.662	1.55
ASTL	1.296	0.07
ASTN1	7.524	0.25
ASTN2	5.917	0.2
ASXL1	7.033	14.09
ASXL2	7.452	3.82
ASXL3	7.537	0
ASZ1	3.662	0
ATAD1	3.034	4.69
ATAD2	4.896	4.13
ATAD2B	8.103	1.37
ATAD3A	2.611	8.52
ATAD3B	2.433	5.68

ATAD3C	1.817	0.05
ATAD4	1.385	0
ATAD5	6.245	0.66
ATBF1	12.229	4.03
ATCAY	3.41	0
ATE1	2.338	3.42
ATF1	1.551	10.7
ATF2	2.363	7.52
ATF3	3.801	2.63
ATF4	2.505	92.85
ATF5	2.008	13.26
ATF6	2.849	9.7
ATF7	3.748	7.64
ATF7IP	4.843	9.64
ATF7IP2	4.089	9.09
ATG10	1.817	1.76
ATG12	2.359	5.29
ATG16L1	3.474	4.21
ATG16L2	2.393	17.42
ATG3	1.242	26.66
ATG4A	2.889	4.28
ATG4B	4.659	12.15
ATG4C	1.901	4.12
ATG4D	1.896	9.07
ATG5	3.244	4.67
ATG7	2.362	4.38
ATG9A	3.69	18.65
ATG9B	9.599	0.49
ATHL1	3.059	18.4
ATIC	1.91	25.8
ATM	13.471	6.47
ATN1	4.419	66.93
ATOH1	1.065	0
ATOH7	1.475	0
ATOH8	2.435	0.24
ATOX1	0.489	50.82
ATP10A	6.767	32.42
ATP10B	6.896	0
ATP10D	6.55	3.93
ATP11A	14.122	5.46
ATP11B	7.322	4.59
ATP11C	8.735	0.93
ATP12A	3.565	0
ATP13A1	3.805	29.53
ATP13A2	3.84	50.15
ATP13A3	3.973	1.84
ATP13A4	4.274	0.04
ATP13A5	3.657	0
ATP1A1	4.27	39.26
ATP1A2	5.436	0.04

ATP1A3	3.551	0.28
ATP1A4	4.364	0
ATP1B1	2.987	0.11
ATP1B2	3.332	0.36
ATP1B3	1.853	28.87
ATP1B3P1	2.014	1.76
ATP1B4	3.856	0
ATP1BL1	2.051	0.04
ATP2A1	3.866	0.57
ATP2A2	6.368	17.88
ATP2A3	9.06	20.66
ATP2B1	10.18	0.99
ATP2B2	6.805	0.14
ATP2B3	9.526	0.03
ATP2B4	13.443	13.85
ATP2C1	6.082	7.61
ATP2C2	3.6	0.05
ATP4A	3.559	0
ATP4B	1.488	0
ATP5A1	2.035	171.58
ATP5B	1.843	315.05
ATP5C1	1.291	67.59
ATP5C2	0.1	0
ATP5D	1.088	90.74
ATP5E	0.533	346.43
ATP5EP1	0.419	0
ATP5F1	2.116	52.07
ATP5G1	0.702	50.4
ATP5G2	1.437	278.97
ATP5G3	2.863	32.45
ATP5GP1	0.628	28.44
ATP5GP2	0.563	5.54
ATP5GP3	0.547	0.31
ATP5GP4	0.525	11.23
ATP5H	0.622	89.65
ATP5I	0.36	211.29
ATP5J	3.357	19.2
ATP5J2	1.016	89.54
ATP5J2P2	0.428	100.77
ATP5L	1.338	144.29
ATP5L2	0.799	1.58
ATP5LP1	0.453	0
ATP5LP2	0.411	37.91
ATP5LP3	0.71	9.73
ATP5O	0.806	96.57
ATP5S	2.424	1.35
ATP6	0.681	0
ATP6AP1	2.099	57.47
ATP6AP2	2.037	21.17
ATP6V0A1	4.122	0.22

ATP6V0A2	4.681	2.01
ATP6V0A4	6.714	0
ATP6V0B	1.284	77.47
ATP6V0C	1.093	157.76
ATP6V0D1	1.67	58.41
ATP6V0D2	2.37	0
ATP6V0E1	0.882	101.05
ATP6V0E2	5.452	0.31
ATP6V1A	4.549	5.34
ATP6V1B1	1.939	0
ATP6V1B2	3.044	20.79
ATP6V1C1	5.761	2.86
ATP6V1C2	3.24	6.42
ATP6V1D	1.669	13.68
ATP6V1E1	1.406	43.74
ATP6V1E2	1.979	1.36
ATP6V1F	1.382	60.34
ATP6V1G1	1.611	45.96
ATP6V1G2	5.742	0
ATP6V1G3	1.122	0
ATP6V1GP2	1.006	0.25
ATP6V1H	2.27	9.69
ATP7A	8.03	0.93
ATP7B	6.642	0.23
ATP8	0.207	0
ATP8A1	3.793	1.35
ATP8A2	3.904	0.35
ATP8B1	3.891	0.28
ATP8B2	6.568	19.11
ATP8B3	5.09	0.08
ATP8B4	5.677	4.41
ATP9A	7.58	2.54
ATP9B	4.358	3.93
ATPAF1	1.758	16.67
ATPAF2	1.552	11.67
ATPBD1B	1.756	9.59
ATPBD1C	1.459	6.3
ATPBD3	1.151	6.51
ATPBD4	2.094	0.93
ATPIF1	2.607	23.33
ATQL3	1.048	0
ATQL4	0.45	0
ATR	8.232	2.4
ATRN	8.87	3.1
ATRNL1	6.13	4.21
ATRX	10.758	4.7
ATXN1	10.636	0.03
ATXN10	2.963	24.47
ATXN2	4.702	6.65
ATXN2L	7.234	38

ATXN3	4.374	1.39
ATXN3L	1.288	0.07
ATXN7	4.416	2.19
ATXN7L2	2.318	4.18
ATXN7L4	2.94	0.25
ATXN8OS	1.148	0
AUH	1.549	2.99
AUP1	1.603	62.8
AURKA	2.817	4.09
AURKAIP1	0.752	93.87
AURKB	1.236	26.45
AURKC	1.513	0.06
AUTS2	11.945	8.62
AVEN	1.531	6.27
AVIL	2.711	0.59
AVP	0.619	3.54
AVPI1	1.347	0.5
AVPR1A	4.154	0
AVPR1B	2.269	0
AVPR2	1.804	0.7
AXIIR	1.439	7.03
AXIN1	3.448	13.93
AXIN2	4.259	0.42
AXL	5.022	0.25
AXUD1	3.183	59.92
AYP1p1	1.173	0.43
AYTL1	1.919	2.15
AYTL2	3.946	10.91
AZGP1	2.434	0.76
AZI1	3.619	8.66
AZI2	3.115	4
AZIN1	4.348	14.28
AZU1	0.912	8.31
B2M	0.987	1872.31
B3GALNT1	3.641	0.21
B3GALNT2	2.009	2.77
B3GALT1	2.168	0
B3GALT2	3.213	0
B3GALT4	5.058	0
B3GALT5	3.818	0
B3GALT6	2.774	15.64
B3GALTL	3.439	0.86
B3GAT1	3.805	0.03
B3GAT2	0.972	0.26
B3GAT3	1.442	27.75
B3GNT1	2.07	8.51
B3GNT2	2.749	31.29
B3GNT3	2.72	0
B3GNT4	1.504	0
B3GNT5	4.123	0.02

B3GNT6	2.471	0
B3GNT7	1.434	0.06
B3GNT8	1.874	1.22
B3GNTL1	1.383	7.13
B4GALNT1	3.01	0.06
B4GALNT2	1.792	0
B4GALNT3	3.761	1.79
B4GALNT4	3.12	0.03
B4GALT1	4.076	53.75
B4GALT2	2.313	13.66
B4GALT3	1.949	18.71
B4GALT4	2.344	1.84
B4GALT5	4.645	8.78
B4GALT6	4.043	2.71
B4GALT7	1.659	8.02
bA16L21.2.1	2.472	1.43
bA291L22.4	2.359	0
bA327L3.4	1.501	61
bA345E19.2	0.626	0.54
BA393J16.4	2.344	0
bA395L14.12	1.012	2.41
BA775A3.1	0.479	0
bA9F11.1	0.507	0
BAALC	5.166	6.6
BAAT	3.108	0
BACE1	5.983	7.33
BACE2	4.22	0.26
BACH1	6.731	3.45
BACH2	9.113	2.99
BAD	1.197	20.9
BAG1	3.858	5.96
BAG2	1.545	0.49
BAG3	2.571	0.85
BAG4	2.182	1.43
BAG5	6.783	6.86
BAGE	0.967	0
BAGE4	1.755	0.05
BAHCC1	10.708	0.48
BAHD1	4.517	12.59
BAI1	5.528	0.03
BAI2	5.399	0.06
BAI3	5.218	0
BAIAP2	4.925	2.57
BAIAP2L1	4.06	0.02
BAIAP2L2	2.068	1.43
BAIAP3	4.523	0.54
BAK1	2.098	20.11
BAMBI	1.724	0
BANF1	1.152	72.83
BANK1	3.239	51.39

BANP	2.2	6.2
BAP1	3.585	30.62
BAPX1	2.165	0
BARD1	2.53	1.03
BARHL1	1.907	0
BARHL2	1.496	0
BARX1	1.482	0
BARX2	1.454	0
BASP1	1.797	1.31
BAT1	6.405	0.1
BAT2	20.793	0.84
BAT2D1	10.383	19.96
BAT3	13.001	0.35
BAT4	5.691	0.25
BAT5	5.88	0.09
BATF	0.939	7.44
BATF2	2.14	0
BAX	1.967	50.54
BAZ1A	6.016	12.22
BAZ1B	15.31	5.35
BAZ2A	8.934	16.38
BAZ2B	8.145	3.37
BBC3	1.838	26.58
BBOX1	1.584	0
BBS1	3.37	5.68
BBS10	3.329	1.32
BBS12	3.244	0.42
BBS2	2.963	6.17
BBS4	2.482	2.65
BBS5	3.157	0.58
BBS7	4.244	0.73
BBS9	8.038	0.84
BBX	3.926	5.08
BC37295_3	1.68	0.1
BCAM	3.203	4.37
BCAN	4.691	0
BCAP29	17.418	1.06
BCAP31	1.324	105.17
BCAR1	3.217	0.03
BCAR3	3.171	4.91
BCAS1	2.816	0.18
BCAS2	1.304	13.43
BCAS3	3.496	6.75
BCAS4	2.034	4.84
BCAT1	8.191	7.55
BCAT2	1.58	17.59
BCCIP	3.261	20.82
BCDIN3	5.958	15.93
BCDO2	3.185	0.03
BCHE	2.443	0

BCKDHA	1.764	28.13
BCKDHB	3.996	2.15
BCKDK	1.83	31.07
BCL10	2.786	1.27
BCL11A	10.942	9.99
BCL11B	7.816	0.11
BCL2	8.07	9.15
BCL2A1	0.884	2
BCL2L1	3.218	76.83
BCL2L10	0.887	0
BCL2L11	9.737	0.83
BCL2L12	1.855	17.89
BCL2L13	3.367	13.86
BCL2L14	3.737	0.04
BCL2L2	3.54	6.87
BCL2L7P1	0.636	5.04
BCL2L7P2	0.632	0
BCL3	1.81	13.64
BCL6	3.9	4.55
BCL6B	3.525	4.68
BCL7A	4.268	34.92
BCL7B	4.604	10.5
BCL7C	0.858	37.9
BCL9	6.278	1.42
BCL9L	7.536	14.07
BCLAF1	5.538	17.29
BCMO1	2.427	0
BCOR	9.421	6.76
BCORL1	6.74	3.01
BCORL2	51.184	0.05
BCR	6.927	22.06
BCRL4	6.52	0.01
BCS1L	1.584	16.7
BCYRN1	0.2	0
BCYRN1P1	0.204	0
BDH1	3.689	3.95
BDH2	2.92	3.23
BDH2P1	2.9	1.33
BDKRB1	1.289	0
BDKRB2	4.263	0
BDNF	6.564	0
BDNFOS	2.322	1.52
BDP1	14.404	0.77
BECN1	2.112	18.91
BEST1	2.673	6.27
BEST2	1.846	0
BEST3	4.611	0
BEST4	2.045	0.08
BET1	6.122	0.88
BET1L	3.213	19.77

BEX1	0.862	0.09
BEX2	0.87	0.09
BEXL1	1.245	34.78
BFAR	2.53	10.32
BFSP1	2.167	0.12
BFSP2	1.626	0
BGLAP	0.48	4.04
BGN	2.38	3.93
BHLHB2	2.919	31.22
BHLHB3	3.623	1.19
BHLHB4	0.942	0
BHLHB5	3.373	0
BHLHB8	1.781	5.53
BHLHB9	3.973	0.17
BHMT	2.416	0.03
BHMT2	2.007	0
BIC	12.969	0.3
BICC1	3.119	0
BICD1	4.541	1.56
BICD2	8.726	4.83
BID	2.812	14.47
BIK	0.95	0.44
BIN1	3.161	21.58
BIN2	2.211	1.6
BIN3	1.797	13.03
BIRC2	3.743	6.12
BIRC3	5.342	0.05
BIRC4	8.413	2.48
BIRC5	5.155	5.38
BIRC6	16.069	4.77
BIRC7	1.516	0
BIRC8	2.022	0
BIVM	3.857	3.03
BLCAP	2.043	43.74
BLK	2.59	26.83
BLM	4.417	2.16
BLMH	2.417	33.21
BLNK	1.816	68.79
BLOC1S1	0.1	422.86
BLOC1S2	0.1	117.93
BLOC1S3	0.232	12.7
BLR1	4.074	0.06
BLVRA	2.162	5.49
BLVRB	0.797	29.39
BLZF1	2.318	2
BLZF2P	3.453	0.12
BMF	8.865	5.35
BMI1	3.203	10.81
BMP1	4.654	3.78
BMP10	1.584	0

BMP15	1.179	0
BMP2	3.15	3.71
BMP2K	4.513	8.92
BMP2KL	1.236	0.14
BMP3	1.774	0.09
BMP4	2.383	12.34
BMP5	2.172	0
BMP6	2.872	0
BMP6P1	1.647	0
BMP7	1.879	0
BMP8A	5.626	0.06
BMP8B	3.773	0.09
BMPER	10.064	0.02
BMPR1A	3.616	0
BMPR1B	2.035	0.04
BMPR2	11.449	2.01
BMS1L	4.208	7.49
BMX	2.623	0.03
BNC1	4.612	0
BNC2	12.926	0
BNIP1	1.783	3.12
BNIP2	2.359	17.61
BNIP3	1.534	3.57
BNIP3L	3.5	10.95
BNIP3P	1.533	1.42
BNIPL	2.489	0.1
BOAT	1.198	1.55
BOC	4.281	2.87
BOK	2.601	0.03
BOLA1	0.808	10.11
BOLA2	1.778	10.85
BOLA2B	1.012	19.06
BOLA3	0.812	16.39
BOLL	3.206	0
BOP1	2.373	33.3
BP75	0.453	0
BPGM	5.956	1.54
BPHL	1.517	1.55
BPI	1.812	5.02
BPIL1	1.897	0
BPIL2	1.524	0
BPIL3	1.362	0
BPNT1	2.452	9.27
BPTF	11.778	6.17
BPY2	1.206	0
BPY2B	1.206	0
BPY2C	1.206	0
BRAF	4.954	0.73
BRAF2	0.774	0
BRAP	2.033	8.08

BRCA1	11.393	2.19
BRCA1P1	1.686	0.9
BRCA2	11.386	0.16
BRCC2	0.862	0
BRCC3	2.914	3.21
BRD1	4.608	10.82
BRD2	14.079	0.42
BRD3	3.259	11.19
BRD4	6.652	25.19
BRD7	2.204	19.61
BRD7P	2.082	0.2
BRD8	4.913	12.81
BRD9	3.093	12.64
BRDG1	1.506	22.94
BRDT	3.213	0
BRE	2.709	10.63
BRF1	6.439	12.17
BRF2	1.978	6.56
BRI3	1.566	22.65
BRI3BP	2.501	12.56
BRIP1	4.563	0.59
BRMS1	2.147	20.95
BRMS1L	2.584	0.85
BRP44	0.789	32.67
BRP44L	0.962	8.06
BRPF1	4.857	10.77
BRPF3	6.019	8.05
BRS3	1.413	0
BRSK1	3.108	0.38
BRSK2	3.506	0.03
BRUNOL4	3.175	0
BRUNOL5	1.854	0
BRUNOL6	3.399	1.68
BRWD1	17.988	1.25
BRWD2	4.724	7.84
BRWD3	6.085	0.71
BSCL2	1.633	28.21
BSDC1	4.599	12.22
BSG	2.598	101.12
BSN	15.955	0.05
BSND	1.37	0
BSPRY	2.065	1.79
BST1	1.411	2.39
BST2	0.939	143.35
BTAF1	7.04	4.16
BTBD1	5.246	6.06
BTBD10	2.508	4.67
BTBD11	8.041	0.04
BTBD12	7.293	1.12
BTBD14A	2.08	0.12

BTBD14B	4.491	21.83
BTBD16	1.848	0
BTBD2	2.618	56.18
BTBD3	5.251	4.7
BTBD6	1.956	18.6
BTBD7	9.528	1.78
BTBD8	1.412	0.12
BTBD9	1.98	0.72
BTC	1.27	0
BTD	2.065	2.49
BTF3	1.383	274.88
BTF3L1	0.636	0
BTF3L4	2.203	9.21
BTF3P1	0.52	0
BTF3P2	0.751	1.12
BTG1	1.782	47.65
BTG2	2.712	57.74
BTG3	1.353	0.81
BTG4	0.999	0
BTK	2.574	43.19
BTLA	1.223	0.14
BTN1A1	2.902	0.58
BTN2A1	4.803	7.68
BTN2A2	3.565	16.26
BTN2A3	1.761	1.48
BTN3A1	3.416	18.94
BTN3A2	3.812	34.09
BTN3A3	3.287	16.76
BTNL2	4.104	0.02
BTNL3	2.693	0
BTNL8	2.147	0.08
BTNL9	3.469	13.77
BTRC	6.121	5.01
BUB1	3.482	7.69
BUB1B	3.714	5.01
BUB3	2.968	31.7
BUD13	2.193	11.64
BUD31	2.064	12.25
BVES	5.583	1.44
BXDC1	0.949	9.15
BXDC2	1.273	10.12
BXDC5	1.268	10.89
BYSL	1.99	17.82
BZRAP1	7.804	11.13
BZRPL1	0.958	1.15
BZW1	2.798	14.51
BZW2	3.712	14.89
C10orf10	1.987	104.97
C10orf104	3.195	25.79
C10orf107	1.262	0

C10orf108	2.249	0
C10orf11	0.896	0
C10orf110	0.893	2.17
C10orf111	1.714	0.2
C10orf112	3.811	0
C10orf113	0.518	0
C10orf114	1.967	0.13
C10orf115	0.634	0
C10orf116	0.672	0.25
C10orf118	6.277	1.56
C10orf119	4.113	11.16
C10orf12	4.545	0.41
C10orf120	1.064	0
C10orf125	0.762	7.19
C10orf128	4.316	7.84
C10orf129	2.307	0
C10orf130	2.467	0
C10orf132	2.894	0
C10orf136	1.121	0
C10orf137	4.579	2.04
C10orf18	10.129	4.7
C10orf22	3.724	3.96
C10orf25	3.078	8.57
C10orf26	4.087	15.39
C10orf27	1.583	0.16
C10orf28	3.315	3.76
C10orf30	2.239	0
C10orf31	1.603	0.84
C10orf32	0.838	5.43
C10orf33	2.026	3.62
C10orf35	1.062	0.48
C10orf37	1.27	0.99
C10orf38	3.952	26.28
C10orf39	5.006	0
C10orf4	5.432	1.9
C10orf46	4.732	2.21
C10orf47	3.333	2
C10orf49	0.826	0
C10orf51	0.867	0.29
C10orf53	2.09	0
C10orf54	4.774	56.48
C10orf55	2.151	0.08
C10orf56	4.933	2.3
C10orf57	2.036	9.02
C10orf58	1.686	6.75
C10orf59	2.677	0.57
C10orf6	7.284	3.4
C10orf61	3.629	9.36
C10orf62	1.208	0
C10orf63	3.318	0

C10orf64	3.472	2.72
C10orf65	2.47	0
C10orf67	2.943	0
C10orf68	2.717	0.15
C10orf71	2.97	0.03
C10orf72	5.626	9.59
C10orf73	1.425	0
C10orf75	1.007	0.25
C10orf76	2.73	10.95
C10orf78	1.651	0.97
C10orf79	5.365	0
C10orf80	3.313	0.36
C10orf81	3.249	0.05
C10orf82	0.994	0
C10orf83	2.315	0.25
C10orf84	2.745	6.45
C10orf85	2.168	0
C10orf88	2.334	1.08
C10orf89	1.705	1.14
C10orf90	3.083	0
C10orf91	0.738	0
C10orf92	2.746	0
C10orf93	1.56	0
C10orf95	1.469	3.1
C10orf96	1.699	0
C10orf97	2.375	3.8
C10orf99	0.804	0
C11orf1	2.568	2.75
C11orf10	0.408	149.48
C11orf16	1.893	0.04
C11orf17	1.962	12.71
C11orf2	2.51	88.77
C11orf21	0.684	0
C11orf24	2.05	8.83
C11orf30	5.889	4.02
C11orf31	1.294	44.79
C11orf34	0.895	0
C11orf35	2.091	0.81
C11orf36	1.818	0
C11orf37	2.715	0
C11orf38	1.64	0.15
C11orf39	4.004	0
C11orf40	0.654	0
C11orf42	1.14	0
C11orf44	3.547	0
C11orf45	3.624	0
C11orf46	1.77	7.47
C11orf47	3.205	0.39
C11orf48	1.804	25.45
C11orf49	3.314	4.2

C11orf51	0.884	19.91
C11orf52	1.104	0
C11orf53	1.052	0
C11orf54	2.39	3.77
C11orf55	2.738	0.09
C11orf56	3.413	8.86
C11orf57	3.739	9.42
C11orf58	1.803	43.45
C11orf59	1.068	58.68
C11orf60	1.819	7.36
C11orf61	2.225	1.78
C11orf63	3.615	1.07
C11orf64	0.734	0
C11orf65	2.713	0.06
C11orf66	1.531	1.93
C11orf67	0.504	16.88
C11orf68	1.557	29.11
C11orf69	1.672	0
C11orf70	1.261	0
C11orf71	1.441	4.79
C11orf72	2.431	0.07
C11orf73	1.102	12.99
C11orf74	0.82	5.35
C11orf75	0.948	7.91
C11orf76	1.683	0
C11orf77	1.967	0.94
C11orf79	1.209	32.67
C11orf9	5.745	0.16
C12orf10	1.2	41.63
C12orf11	2.635	5.53
C12orf12	2.962	0
C12orf23	3.157	10.94
C12orf24	1.486	6.24
C12orf25	2.876	0.06
C12orf26	1.975	0.98
C12orf28	1.237	0
C12orf29	2.874	1.52
C12orf30	5.781	2.1
C12orf31	1.224	11.29
C12orf32	1.862	13.21
C12orf33	2.21	0.08
C12orf34	2.731	0.25
C12orf35	6.23	5.83
C12orf36	2.75	0
C12orf37	1.378	0
C12orf38	2.879	2.13
C12orf39	0.583	0
C12orf4	3.819	1.85
C12orf40	2.789	0
C12orf41	2.15	7.4

C12orf42	1.336	0.25
C12orf43	1.92	6.53
C12orf44	1.389	22.62
C12orf45	0.598	15.64
C12orf46	1.526	1.27
C12orf47	2.285	6.19
C12orf48	3.189	1.14
C12orf49	2.987	8.4
C12orf5	1.361	4.64
C12orf50	1.705	0
C12orf51	2.694	0.47
C12orf52	1.775	17.23
C12orf53	2.17	0.27
C12orf54	0.685	0.12
C12orf55	2.343	0
C12orf56	1.589	0
C12orf57	0.543	394.65
C12orf59	2.709	0
C12orf60	1.123	0.15
C12orf61	1.684	0.1
C12orf62	0.601	37.56
C12orf63	3.686	0
C12orf64	2.36	0
C12orf65	2.073	4.8
C13orf1	3.053	3.26
C13orf16	0.709	1.78
C13orf18	2.494	1.18
C13orf21	0.784	0.11
C13orf23	5.142	10.88
C13orf24	3.114	1.62
C13orf26	0.998	0
C13orf27	1.147	2.35
C13orf28	0.757	0
C13orf29	6.267	0.02
C13orf3	2.888	3.38
C13orf30	3.241	0
C13orf31	2.469	0.82
C13orf33	2.343	0.07
C13orf34	2.773	3.13
C13orf7	3.534	2.93
C13orf8	3.762	5.67
C14orf1	2.263	12.17
C14orf100	1.665	9.06
C14orf101	4.264	2.85
C14orf102	4.351	1.94
C14orf103	4.055	2.7
C14orf104	1.748	4.38
C14orf105	2.506	0
C14orf106	4.568	5.79
C14orf108	3.069	5.49

C14orf11	1.321	23.4
C14orf112	0.68	24.65
C14orf115	3.369	0
C14orf118	2.515	3.12
C14orf119	2.84	13.43
C14orf121	4.604	0.25
C14orf122	0.835	7.97
C14orf124	1.507	35.72
C14orf126	2.681	2.23
C14orf129	2.072	1.95
C14orf130	3.994	10.38
C14orf131	1.77	5.47
C14orf132	7.478	1.25
C14orf133	2.761	8.67
C14orf135	2.653	5.69
C14orf138	1.767	3.29
C14orf139	3.828	16.35
C14orf140	2.02	0.08
C14orf142	1.156	6.34
C14orf143	2.421	0.87
C14orf145	4.454	1.23
C14orf147	2.62	5.11
C14orf148	0.753	0.45
C14orf149	1.381	1.22
C14orf151	1.689	8.03
C14orf152	1.806	0
C14orf153	2.491	4.53
C14orf155	2.915	0
C14orf156	0.387	25.46
C14orf159	2.973	18.53
C14orf161	3.606	0
C14orf162	1.339	0
C14orf165	0.93	0
C14orf166	1.079	88.76
C14orf166B	1.88	0
C14orf169	2.428	8.36
C14orf172	2.206	10.89
C14orf173	4.109	23.06
C14orf174	2.025	0.37
C14orf177	1.283	0
C14orf178	0.891	0
C14orf179	0.816	6.09
C14orf19	0.575	7.18
C14orf2	0.613	124.22
C14orf21	2.047	8.27
C14orf24	2.863	1.73
C14orf25	1.899	0
C14orf28	2.906	0.49
C14orf29	1.699	0.05
C14orf32	6.469	12.37

C14orf37	3.082	0.03
C14orf39	2.747	0
C14orf4	4.149	11
C14orf43	8.091	5.25
C14orf44	2.304	1.46
C14orf45	2.139	1.42
C14orf48	1.275	0
C14orf49	4.133	6.24
C14orf50	1.405	0.18
C14orf54	1.754	0
C14orf55	4.009	0.06
C14orf58	3.6	0.47
C14orf68	1.733	0
C14orf70	1.627	0
C14orf72	0.642	0
C14orf73	2.532	0.33
C14orf78	15.958	0.21
C14orf79	1.72	1.96
C14orf8	0.681	0
C14orf80	1.358	2.23
C14orf82	2.375	0
C14orf83	3.082	1.59
C14orf85	4.701	0
C14orf93	2.352	3.01
C14orf94	1.599	31.61
C15orf15	1.473	26.3
C15orf17	3.251	15.65
C15orf2	3.471	0
C15orf21	3.117	0.03
C15orf23	1.52	8.15
C15orf24	1.054	40.28
C15orf26	2.099	0.44
C15orf27	2.292	0.08
C15orf28	3.281	0.13
C15orf29	2.666	2.81
C15orf32	1.726	0
C15orf33	1.989	0.17
C15orf34	1.562	0
C15orf37	2.082	1.1
C15orf38	1.968	1.8
C15orf39	3.751	27.22
C15orf40	1.406	5.15
C15orf41	2.593	1.3
C15orf42	3.158	3.52
C15orf43	1.275	0
C15orf44	2.523	16.16
C15orf45	1.787	0
C15orf48	1.035	0
C15orf49	0.1	0
C15orf5	1.512	0

C15orf51	3.831	0.7
C16orf14	0.91	7.59
C16orf24	0.858	9.42
C16orf28	2.491	2.1
C16orf3	0.994	0.17
C16orf30	1.854	27.63
C16orf33	1.673	14.96
C16orf35	2.752	15.73
C16orf42	1.204	38.76
C16orf44	3.098	7.18
C16orf45	2.032	16.58
C16orf46	1.553	0.65
C16orf47	1.307	0.07
C16orf48	1.538	8.82
C16orf5	2.755	26.21
C16orf53	1.143	14.15
C16orf54	2.581	6.53
C16orf55	2.19	1.69
C16orf57	2.254	25.19
C16orf58	2.76	48.77
C16orf59	1.628	2.48
C16orf61	0.718	12.55
C16orf63	2.25	7.23
C16orf65	1.028	0.08
C16orf68	1.57	3.81
C16orf69	2.097	2.57
C16orf7	3.312	6.2
C16orf70	2.841	5.63
C16orf71	2.706	0.19
C16orf72	4.485	5.09
C16orf73	1.317	0
C16orf74	0.447	0.19
C16orf75	1.432	4.12
C16orf77	1.606	0.05
C16orf78	0.973	0.08
C16orf79	0.973	2.42
C16orf80	1.292	35.53
C16orf81	0.489	0
C17orf25	1.792	16.21
C17orf28	3.258	0.03
C17orf32	1.449	7.9
C17orf37	0.754	69.6
C17orf38	2.725	6.46
C17orf39	4.232	3.56
C17orf42	1.659	1.67
C17orf45	1.301	936.7
C17orf46	1.284	0.13
C17orf47	2.077	0.28
C17orf48	1.518	11.04
C17orf49	0.827	85.76

C17orf50	1.014	0.17
C17orf51	5.654	0
C17orf53	2.672	2.36
C17orf54	1.667	0
C17orf55	2.97	0.03
C17orf56	2.249	7.98
C17orf57	3.931	0.54
C17orf58	2.708	0.44
C17orf59	1.74	10.75
C17orf60	1.957	31.68
C17orf61	0.448	72.01
C17orf62	2.327	53.58
C17orf63	3.432	2.09
C17orf64	0.928	0.91
C17orf65	2.252	9.87
C17orf66	1.969	0
C17orf67	0.372	0.45
C17orf68	4.02	6.12
C17orf69	1.219	1.1
C17orf70	3.821	9.98
C17orf71	3.234	4.11
C17orf73	2.762	0
C17orf74	1.65	0
C17orf75	1.623	4.26
C17orf76	2.71	1.61
C17orf77	2.525	0
C17orf78	1.862	0
C17orf79	0.855	12.02
C17orf80	2.127	5.82
C17orf81	3.302	17.55
C17orf82	1.53	0
C17orf83	1.644	0
C17orf85	2.708	9.64
C18orf1	17.629	6.49
C18orf10	2.065	19.87
C18orf16	2.392	0
C18orf17	2.614	9.38
C18orf19	1.941	2.56
C18orf2	1.328	0
C18orf20	0.873	0
C18orf21	1.039	6.81
C18orf22	1.407	15.14
C18orf24	3.091	2.02
C18orf25	5.424	1.6
C18orf26	2.027	0
C18orf34	3.087	0
C18orf37	1.061	21.52
C18orf45	2.941	3.29
C18orf51	2.053	15.67
C18orf54	5.007	0.43

C18orf55	1.319	7.03
C18orf56	0.844	0.9
C18orf58	2.346	0
C18orf8	2.173	11.98
C19orf10	1.051	64.36
C19orf12	3.396	6.55
C19orf15	3.5	0.05
C19orf16	2.282	0
C19orf18	0.917	1.47
C19orf19	1.59	0
C19orf2	2.425	13.72
C19orf20	1.919	7.6
C19orf21	2.851	0.06
C19orf22	1.784	34.23
C19orf23	1.356	0.49
C19orf24	1.524	25.87
C19orf25	2.131	8.06
C19orf26	2.407	0
C19orf28	3.096	45.71
C19orf29	3.625	11.25
C19orf30	0.696	0
C19orf31	2.278	6.07
C19orf33	0.461	2.92
C19orf34	1.264	0.07
C19orf35	2.564	0.3
C19orf36	1.015	2.57
C19orf39	1.662	1.27
C19orf4	1.562	0
C19orf40	1.122	1.8
C19orf41	0.814	0
C19orf42	1.145	12.73
C19orf43	0.91	298.8
C19orf44	3.325	1.65
C19orf45	1.639	0.05
C19orf46	1.541	0.22
C19orf47	2.126	7.05
C19orf48	1.811	45.17
C19orf49	0.804	13.62
C19orf50	1.42	46.39
C19orf51	3.174	0.19
C19orf52	1.397	7.23
C19orf53	0.568	160.91
C19orf54	2.455	8.57
C19orf55	2.147	3.14
C19orf56	0.839	75.7
C19orf57	2.42	1.11
C19orf58	1.055	27.39
C19orf59	2.352	24.6
C19orf6	4.216	40.24
C19orf7	6.116	14.35

C1D	1.215	2.15
C1GALT1	3.554	0.5
C1GALT1C1	1.838	4.21
C1orf100	0.579	0
C1orf101	3.019	0.17
C1orf102	1.662	1.06
C1orf103	3.932	2.79
C1orf104	1.306	2.19
C1orf105	0.98	0
C1orf106	4.098	1.38
C1orf107	8.463	1.12
C1orf108	1.967	16.87
C1orf109	2.355	3.76
C1orf110	2.605	0
C1orf111	0.888	0
C1orf112	3.363	1.13
C1orf113	3.182	1.61
C1orf114	1.866	0
C1orf115	2.934	0.03
C1orf116	5.49	0.02
C1orf117	1.669	0.05
C1orf118	2.261	0
C1orf119	2.75	9.31
C1orf120	0.74	0
C1orf121	4.071	4.49
C1orf122	0.822	14.55
C1orf123	1.085	29.66
C1orf124	5.74	0.65
C1orf125	3.479	0.6
C1orf126	2.962	0
C1orf127	2.262	0
C1orf128	1.615	27.23
C1orf129	2.223	0
C1orf130	3.583	0.03
C1orf131	1.435	6.16
C1orf133	3.505	0
C1orf135	2.061	0.7
C1orf137	0.386	0
C1orf138	1.914	1.54
C1orf14	2.365	0
C1orf140	4.492	0
C1orf141	2.143	0
C1orf142	2.362	28.82
C1orf144	2.848	82.02
C1orf145	2.889	0
C1orf146	0.751	0
C1orf147	2.096	0
C1orf149	2.147	19.07
C1orf150	2.628	0
C1orf151	2.589	6.38

C1orf156	1.445	1.34
C1orf157	1.891	0
C1orf158	1.019	0
C1orf159	3.214	1.86
C1orf160	1.528	23.1
C1orf161	3.229	0
C1orf162	0.917	8.54
C1orf163	1.614	6.68
C1orf164	3.01	29.16
C1orf165	1.364	16.86
C1orf166	2.436	9.13
C1orf167	5.515	0.34
C1orf168	3.134	0
C1orf170	3.064	0
C1orf172	1.785	0
C1orf173	7.159	0
C1orf174	1.658	8.63
C1orf175	4.349	0.02
C1orf176	2.217	2.58
C1orf177	1.777	0
C1orf178	0.904	0
C1orf179	1.975	0
C1orf180	2.884	0
C1orf181	2.797	10.57
C1orf182	0.753	0
C1orf183	2.369	1.5
C1orf184	0.846	0
C1orf185	0.911	0
C1orf186	1.665	0.1
C1orf187	1.773	0.29
C1orf189	0.387	0
C1orf19	1.925	15.01
C1orf190	2.08	0.85
C1orf191	1.027	0
C1orf192	0.774	2.61
C1orf194	0.731	0.12
C1orf198	3.735	0.61
C1orf2	3.19	14.5
C1orf201	2.501	1.44
C1orf21	10.308	1.27
C1orf210	1.467	0
C1orf211	1.265	0
C1orf212	2.53	10.85
C1orf213	3.377	0.85
C1orf215	1.783	0.09
C1orf25	4.359	2.09
C1orf26	3.753	0.7
C1orf27	3.784	2.36
C1orf31	0.641	6.83
C1orf32	2.572	0

C1orf34	8.621	0
C1orf35	1.29	8.1
C1orf38	2.686	36.06
C1orf41	0.582	12.88
C1orf43	2.561	52.56
C1orf49	1.025	0.08
C1orf50	0.989	7.07
C1orf51	1.742	0.54
C1orf52	1.214	6.25
C1orf53	0.588	0.29
C1orf54	0.504	13.71
C1orf55	3.934	4.41
C1orf56	2.053	2.63
C1orf57	1.084	29.68
C1orf58	1.682	3.65
C1orf59	1.867	8.57
C1orf61	0.879	0
C1orf62	3.05	0
C1orf63	1.865	20.01
C1orf64	0.921	0
C1orf65	2.045	0
C1orf66	2.243	6.46
C1orf67	2.243	0
C1orf69	7.817	1.82
C1orf70	0.522	0.16
C1orf71	3.895	6.19
C1orf74	1.561	0.97
C1orf75	2.475	4.5
C1orf76	2.909	0
C1orf77	1.925	46.95
C1orf78	1.054	10.63
C1orf80	2.485	1.59
C1orf82	3.026	1.78
C1orf83	4.097	2.36
C1orf84	7.861	0.42
C1orf85	1.585	16.58
C1orf86	2.216	15.13
C1orf87	2.012	0
C1orf88	2.289	0.11
C1orf89	1.334	2.65
C1orf9	6.327	2.25
C1orf90	0.936	3.78
C1orf91	1.866	2.71
C1orf92	1.907	0.14
C1orf93	2.709	7.12
C1orf94	2.287	0
C1orf95	4.093	0
C1orf96	5.161	1.29
C1orf97	0.694	0.85
C1orf99	2.396	0

C1QA	1.098	5.75
C1QB	1.044	11.22
C1QBP	1.163	131.67
C1QBPP	1.006	4.78
C1QC	1.139	6.59
C1QDC1	6.007	0.71
C1QDC2	1.036	0.16
C1QL1	1.5	0
C1QL2	2.049	0
C1QL3	2.493	0.44
C1QL4	2.065	0
C1QTNF1	3.17	0.4
C1QTNF2	2.392	0.46
C1QTNF3	3.856	0.42
C1QTNF4	1.364	174.46
C1QTNF5	1.341	0.13
C1QTNF6	3.674	1.19
C1QTNF7	3.942	0
C1QTNF8	2.974	0
C1QTNF9	1.826	0.05
C1R	1.096	16.29
C1RL	3.319	9.72
C1S	3.009	6.81
C2	7.827	0.04
C2orf10	0.981	0.34
C2orf100	2.519	0.24
C2orf102	1.952	0
C2orf103	1.776	0
C2orf106	0.905	0.47
C2orf107	0.694	0.6
C2orf108	3.034	12.6
C2orf11	4.427	17.52
C2orf111	1.572	8.95
C2orf112	2.59	4.81
C2orf114	1.727	0
C2orf116	1.254	23.31
C2orf117	4.587	5.53
C2orf118	2.932	6.52
C2orf119	2.129	1.7
C2orf12	3.291	0.43
C2orf121	6.215	1.73
C2orf123	1.96	0.21
C2orf132	3.784	0.67
C2orf133	5.513	0.81
C2orf134	2.028	0.58
C2orf135	1.776	3.89
C2orf141	0.727	0
C2orf142	0.958	1.67
C2orf144	0.541	0
C2orf149	0.777	190.92

C20orf151	2.793	0
C20orf152	2.866	11.87
C20orf160	2.523	0.24
C20orf165	0.719	0.24
C20orf166	1.213	0
C20orf173	1.034	0
C20orf174	6.327	0.16
C20orf175	2.698	0.09
C20orf177	3.808	1.88
C20orf179	0.761	0
C20orf185	1.454	0
C20orf186	2.042	0
C20orf189	0.183	0
C20orf19	2.129	5.66
C20orf191	0.476	0
C20orf195	1.112	0
C20orf196	1.154	3.36
C20orf197	2.732	0
C20orf198	2.532	2.63
C20orf20	1.603	15.92
C20orf23	5.261	4.58
C20orf24	1.632	26.28
C20orf26	4.082	0
C20orf27	1.376	322.99
C20orf28	1.585	0.21
C20orf29	1.832	9.52
C20orf3	2.221	37.54
C20orf30	2.508	31.2
C20orf32	2.545	0.14
C20orf39	2.437	8.43
C20orf4	2.647	14.06
C20orf42	5.151	0
C20orf43	1.607	78.32
C20orf44	3.974	5.4
C20orf46	1.72	0.1
C20orf51	1.631	0.05
C20orf52	0.477	79.46
C20orf54	2.598	0
C20orf55	1.748	59.03
C20orf56	4.547	0
C20orf58	1.425	0
C20orf59	3.025	19.66
C20orf62	0.7	0
C20orf67	2.697	19.58
C20orf7	1.157	1.96
C20orf70	1.052	0
C20orf71	1.124	0
C20orf72	2.126	14.3
C20orf74	5.617	1.08
C20orf75	2.671	0

C20orf77	4.219	4.04
C20orf79	0.667	0
C20orf82	2.587	0
C20orf85	0.76	0
C20orf86	1.014	0
C20orf91	2.786	0.06
C20orf94	1.407	2.4
C20orf95	1.869	0
C20orf96	1.555	7.53
C21orf100	0.514	0
C21orf114	2.048	0
C21orf119	0.821	3.38
C21orf121	0.777	0
C21orf123	2.341	0
C21orf124	1.972	1.24
C21orf125	3.013	0.08
C21orf128	2.055	0.08
C21orf129	2.033	0
C21orf13	2.364	0.03
C21orf2	3.52	12.69
C21orf24	3.57	0
C21orf25	5.823	0.68
C21orf29	3.967	0
C21orf33	1.653	50.25
C21orf34	1.322	0
C21orf37	0.714	0
C21orf41	1.02	1.24
C21orf45	1.571	3.7
C21orf49	2.464	0.2
C21orf51	1.193	5.65
C21orf55	2.027	0.2
C21orf56	1.085	5.97
C21orf57	1.977	3.2
C21orf58	4.182	2.44
C21orf59	1.306	27.02
C21orf6	1.712	7.87
C21orf62	3.99	0.02
C21orf63	1.933	0.35
C21orf66	3.721	2.58
C21orf67	1.033	0.49
C21orf69	1.595	0.53
C21orf7	1.997	3.29
C21orf70	0.881	6.98
C21orf77	1.452	0
C21orf81	1.095	0
C21orf84	0.579	0
C21orf86	1.178	0.57
C21orf87	1	0.59
C21orf88	1.071	0
C21orf90	0.824	0.31

C21orf91	1.509	2.35
C21orf93	2.323	0.03
C21orf94	0.309	0
C21orf99	0.558	0
C22orf13	3.607	21.23
C22orf15	2.02	4.59
C22orf16	0.682	101.41
C22orf23	2.294	9.25
C22orf25	2.686	13.95
C22orf26	1.836	1.15
C22orf27	1.929	4.59
C22orf28	2.02	41.41
C22orf29	6.595	3.04
C22orf30	2.074	2.6
C22orf31	1.07	0
C22orf32	1.567	40.42
C22orf33	0.981	0
C22orf34	2.024	5.37
C22orf36	2.943	0.11
C22orf5	3.587	11.13
C22orf9	6.417	17.86
C2orf13	3.798	0.65
C2orf15	1.43	0
C2orf16	6.199	0.19
C2orf17	3.135	38.64
C2orf18	3.912	5.55
C2orf19	3.106	0
C2orf21	2.771	0.03
C2orf24	2.059	42.91
C2orf25	1.38	30.33
C2orf27	1.221	0.2
C2orf28	1.964	30.11
C2orf29	2.483	12.18
C2orf3	5.185	1.67
C2orf30	2.41	9.08
C2orf32	1.658	0.31
C2orf33	2.011	16.04
C2orf34	1.493	1.18
C2orf37	2.459	1.54
C2orf39	2.49	0
C2orf40	0.781	0.11
C2orf42	2.524	3.81
C2orf43	2.856	4.24
C2orf44	3.784	3.63
C2orf46	2.342	0
C2orf47	1.504	3.7
C2orf48	1.902	0.08
C2orf49	0.887	2.57
C2orf4P	2.154	3.36
C2orf50	2.686	0

C2orf51	0.795	0
C2orf52	1.282	0.92
C2orf53	2.001	0
C2orf7	1.083	11.9
C3	5.067	0.07
C3AR1	1.955	0.99
C3orf1	1.596	17.05
C3orf10	1.176	98.41
C3orf14	0.765	0
C3orf15	4.171	0
C3orf16	2.035	0
C3orf17	5.32	4.09
C3orf18	2.655	3.62
C3orf19	2.94	6.16
C3orf20	3.278	0
C3orf21	2.703	10.88
C3orf22	0.947	0
C3orf23	6.964	1.42
C3orf24	1.014	0
C3orf25	2.154	0
C3orf26	1.198	14.49
C3orf27	2.697	0
C3orf28	0.838	11.26
C3orf30	1.814	0
C3orf31	1.253	3.76
C3orf32	1.542	0.11
C3orf33	1.931	0.52
C3orf34	1.378	1.22
C3orf35	3.056	0
C3orf36	1.668	0
C3orf37	2.658	24.12
C3orf38	1.367	4.44
C3orf39	2.541	1.39
C3orf40	3.677	1.77
C3orf41	0.679	0
C3orf42	1.328	1.78
C3orf43	3.063	0
C3orf44	2.053	0.13
C3orf45	1.434	1.76
C3orf46	1.107	0
C3orf47	0.362	0.7
C3orf48	1.584	0.05
C3orf49	1.045	0.08
C3orf52	2.221	1.1
C3orf53	0.912	0
C3orf54	1.04	41.06
C3orf55	0.937	0
C3orf56	1.737	0.2
C3orf57	2.306	0
C3orf58	4.077	1.8

C3orf59	3.368	0
C3orf60	2.829	27.3
C3orf62	3.345	1.59
C3orf63	7.377	5.78
C3orf64	4.138	0.96
C3orf65	1.924	0
C3orf66	2.52	0
C4A	5.426	0
C4B	16.278	0
C4BPA	2.243	0
C4BPAL2	0.2	0
C4BPB	1.496	0.62
C4orf11	0.848	0
C4orf12	6.354	0.2
C4orf14	2.272	19.54
C4orf15	5.6	0.92
C4orf16	2.817	2.96
C4orf17	1.597	0
C4orf18	7.615	0.03
C4orf19	1.935	0.13
C4orf20	1.559	7.51
C4orf21	3.337	0.23
C4orf22	0.889	0
C4orf23	1.851	3.5
C4orf26	0.706	0
C4orf27	1.171	6.62
C4orf28	1.814	1.58
C4orf29	2.2	2.14
C4orf30	2.773	5.01
C4orf31	2.767	0
C4orf32	2.593	12.83
C4orf33	1.784	1.61
C4orf34	1.669	4.39
C4orf35	1.544	0
C4orf36	0.828	0.1
C4orf6	0.873	0
C4orf7	0.539	0
C4orf8	4.733	11.3
C5	5.465	0.68
C5AR1	2.321	0.43
C5orf13	2.019	22.57
C5orf14	3.689	5.75
C5orf15	2.35	24.23
C5orf16	2.505	1.15
C5orf20	3.135	0.56
C5orf21	4.178	3.22
C5orf22	2.899	3.87
C5orf23	2.875	0
C5orf24	4.259	1.72
C5orf25	3.577	2.28

C5orf26	1	23.75
C5orf27	1.796	0.14
C5orf28	2.936	0.29
C5orf29	2.216	0.15
C5orf3	2.886	4.38
C5orf30	3.01	2.12
C5orf32	0.82	11.51
C5orf33	2.507	2.96
C5orf34	2.44	0.83
C5orf35	1.554	2.01
C5orf36	1.992	0.04
C5orf37	1.698	5.21
C5orf38	0.89	0
C5orf4	6.852	3.21
C5orf5	5.465	6.93
C6	3.551	0.03
C6orf1	1.479	8.89
C6orf10	6.402	0
C6orf103	6.779	0
C6orf105	1.569	0
C6orf106	4.419	20.06
C6orf107	4.923	1.1
C6orf108	1.161	12.26
C6orf111	2.871	53.26
C6orf113	2.197	1.53
C6orf114	1.527	0.71
C6orf115	1.213	24.58
C6orf117	2.207	0
C6orf118	1.814	0
C6orf12	3.659	0
C6orf120	4.146	3.88
C6orf122	2.418	0
C6orf123	1.652	0.15
C6orf125	0.506	43.78
C6orf128	1.546	5.83
C6orf129	0.607	10.83
C6orf130	1.174	9.33
C6orf134	11.235	0.03
C6orf136	4.437	0
C6orf137	3.198	0
C6orf141	1.825	0
C6orf142	1.738	0
C6orf145	1.867	8.4
C6orf146	2.196	0
C6orf148	2.015	0.5
C6orf15	3.408	0
C6orf150	1.887	2.28
C6orf151	4.173	3.05
C6orf152	4.719	0
C6orf153	1.159	19.55

C6orf154	2.121	0
C6orf155	2.933	0
C6orf157	1.833	0.97
C6orf159	0.664	0
C6orf162	1.802	1.78
C6orf163	2.11	0.56
C6orf165	3.45	0.03
C6orf166	1.613	22.14
C6orf167	4.269	0.99
C6orf168	2.017	0
C6orf170	3.431	0.05
C6orf173	0.527	16.94
C6orf174	3.556	0.07
C6orf176	1.136	0
C6orf182	2.508	1.51
C6orf184	0.827	1.02
C6orf185	1.183	17.09
C6orf188	3.539	0.65
C6orf189	1.033	0
C6orf190	4.03	0.04
C6orf191	0.545	0
C6orf192	2.425	1.98
C6orf194	1.639	0.05
C6orf195	2.434	0
C6orf199	2.563	0.56
C6orf201	2.403	0.42
C6orf203	0.899	10.78
C6orf204	1.722	0.69
C6orf205	10.938	0
C6orf206	0.915	0
C6orf208	2.318	0
C6orf21	2.694	0
C6orf211	2.572	3.14
C6orf213	2.01	0
C6orf218	1.078	0
C6orf25	4.311	0.18
C6orf26	1.831	2.3
C6orf27	5.118	0.02
C6orf32	2.685	11.23
C6orf35	2.959	0
C6orf47	7.426	0
C6orf48	2.526	0
C6orf49	2.507	54.64
C6orf51	0.941	24.62
C6orf52	0.497	0.17
C6orf54	2.8	0.03
C6orf55	3.244	8.26
C6orf57	0.525	5.46
C6orf58	1.2	0.07
C6orf59	1.848	0.87

C6orf60	4.044	0
C6orf62	3.979	38.02
C6orf64	1.92	4.56
C6orf65	2.278	0
C6orf66	0.698	6.64
C6orf70	2.078	4.33
C6orf72	1.113	6.05
C6orf78	1.311	0
C6orf81	1.169	1.08
C6orf85	5.415	2.98
C6orf89	4.132	15.07
C6orf94	1.192	0
C6orf97	5.231	0
C7	4.012	0.17
C7orf10	3.216	0
C7orf11	1.812	10.74
C7orf13	3.724	0.04
C7orf16	3.5	0
C7orf20	4.176	6.33
C7orf23	2.086	5.49
C7orf24	2.33	8.17
C7orf25	3.586	1.69
C7orf26	3.819	14.36
C7orf27	5.4	6.18
C7orf28A	3.652	8.1
C7orf28B	3.53	6.59
C7orf29	5.746	1.62
C7orf30	1.51	6.86
C7orf31	7.218	1.22
C7orf33	2.708	0
C7orf34	1.54	0
C7orf36	1.73	2.39
C7orf38	4.53	0.58
C7orf41	11.21	2.87
C7orf42	4.754	18.08
C7orf43	5.027	5.63
C7orf44	1.714	13.07
C7orf45	3.91	0
C7orf46	2.797	0.6
C7orf47	1.86	13.67
C7orf48	2.778	8.09
C7orf49	2.964	10.57
C8A	2.358	0
C8B	2.037	0
C8G	0.855	0.79
C8orf13	4.071	2.54
C8orf15	1.743	0
C8orf16	2.179	0
C8orf17	2.781	0.03
C8orf22	1.261	0

C8orf30A	2.404	6.97
C8orf31	1.875	0
C8orf32	1.348	1.56
C8orf33	2.615	9.24
C8orf34	3.652	0
C8orf37	2.254	0.56
C8orf38	1.373	3.99
C8orf4	1.455	0.06
C8orf40	0.793	9.88
C8orf41	2.168	5.05
C8orf42	1.885	0
C8orf44	1.817	2.08
C8orf45	2.248	0.03
C8orf46	3.17	0.05
C8orf47	1.55	0.32
C8orf48	1.445	0
C8orf49	1.968	0
C8orf51	1.918	0.4
C8orf53	0.969	5.3
C8orf54	2.315	0
C8orf55	2.264	8.11
C8orf58	2.054	5.95
C8orf59	0.87	24.4
C8orf61	1.862	1.95
C8orf62	1.106	0.08
C8orf68	0.811	0.31
C8orf70	1.239	0.48
C8orf72	4.368	0.04
C8orf73	2.881	3.45
C8orf74	1.036	0
C8orf76	1.286	7.27
C8orf77	2.644	0.19
C8orf78	1.746	0
C8orf79	2.39	0
C8ORFK23	6.051	0
C8ORFK29	1.596	0.95
C8ORFK32	1.616	0
C8ORFK36	1.746	0
C9	2.069	0
C9orf100	3.763	1.63
C9orf102	3.261	1.16
C9orf103	1.614	1.61
C9orf105	1.448	16.17
C9orf106	3.145	0.03
C9orf11	1.023	0
C9orf114	1.856	18.52
C9orf116	0.781	0.11
C9orf117	2.129	0.43
C9orf119	0.981	13.39
C9orf121	1.457	0.06

C9orf122	3.436	0.03
C9orf123	2.487	14.9
C9orf125	2.089	0.08
C9orf126	1.968	1.07
C9orf127	2.109	4.23
C9orf128	1.722	0
C9orf131	3.644	0
C9orf135	0.851	0
C9orf138	1.86	0.18
C9orf139	3.815	2.08
C9orf140	3.648	2.12
C9orf142	0.812	27.8
C9orf144	3.188	0
C9orf150	2.69	0.06
C9orf152	2.162	0
C9orf153	0.409	0
C9orf156	1.647	2.51
C9orf16	0.613	103.33
C9orf163	2.573	0.07
C9orf164	1.837	1.84
C9orf165	1.078	0.08
C9orf166	0.501	0
C9orf167	4.071	3.87
C9orf18	0.699	0
C9orf19	1.883	2.46
C9orf21	1.225	0.2
C9orf23	1.124	9.74
C9orf24	1.641	0
C9orf25	3.594	11.95
C9orf27	0.772	0
C9orf29	1.095	0
C9orf3	2.82	1.7
C9orf30	1.16	4
C9orf32	1.002	12.02
C9orf36	4.223	0
C9orf37	1.709	10.1
C9orf39	4.766	0.49
C9orf4	1.133	0
C9orf40	1.946	2.38
C9orf41	2.193	2.69
C9orf43	2.048	0.62
C9orf45	5.98	6.19
C9orf46	0.916	4.41
C9orf47	4.829	0
C9orf48	4.602	0.57
C9orf5	7.992	3.87
C9orf50	1.618	0
C9orf52	2.428	0.03
C9orf57	1.629	0
C9orf58	3.65	19.13

C9orf6	2.124	4.91
C9orf61	2.421	0
C9orf64	2.067	0.57
C9orf66	2.28	0.55
C9orf68	2.437	0
C9orf7	2.687	0.88
C9orf71	1.245	0.27
C9orf72	4.435	0.09
C9orf75	2.109	6.07
C9orf77	3.468	22.03
C9orf78	3.038	21.91
C9orf79	4.445	0
C9orf80	1.524	2.38
C9orf82	2.714	1.18
C9orf84	5.269	0.09
C9orf85	1.578	5.44
C9orf86	3.13	36.04
C9orf89	0.906	50.77
C9orf9	0.719	8.32
C9orf90	3.182	3.47
C9orf91	3.684	9.26
C9orf93	4.359	0.31
C9orf94	3.893	2.46
C9orf95	1.158	1.9
C9orf96	2.779	0.06
C9orf97	4.062	2.61
C9orf98	2.106	0.36
CA1	1.264	48.45
CA10	3.189	0
CA11	1.653	9.93
CA12	3.975	0
CA13	3.564	0.16
CA14	1.742	0.05
CA2	1.551	10.27
CA3	2.356	0.47
CA4	1.105	0.15
CA5A	1.084	0.08
CA5B	2.255	1.72
CA6	1.631	10.84
CA7	2.052	1.27
CA8	2.278	0.19
CA9	1.552	0.16
CAB39	3.718	15.11
CAB39L	2.702	0.75
CABC1	2.871	12.64
CABIN1	7.222	13.78
CABLES1	2.471	0.58
CABLES2	3.777	6.71
CABP1	1.899	0
CABP2	0.925	0

CABP4	1.466	0.12
CABP5	1.251	0
CABP7	2.982	5.03
CABYR	3.262	0.85
CABYRP	1.411	0
CACHD1	5.547	0.23
CACNA1A	8.563	0.12
CACNA1B	7.342	0
CACNA1C	8.425	0.05
CACNA1D	7.192	0
CACNA1E	9.724	0.02
CACNA1F	6.07	0.42
CACNA1G	9.542	0
CACNA1H	8.088	0.06
CACNA1I	10.002	0.09
CACNA1S	6.166	0
CACNA2D1	7.644	0
CACNA2D2	5.536	0.06
CACNA2D3	3.675	0
CACNA2D4	7.222	0.38
CACNB1	4.242	1.04
CACNB2	4.44	0.21
CACNB3	2.698	12.61
CACNB4	3.416	0.13
CACNG1	1.266	0
CACNG2	1.548	0
CACNG3	2.701	0
CACNG4	3.397	0.08
CACNG5	1.295	0.71
CACNG6	1.85	0
CACNG7	1.564	0
CACNG8	1.417	0.59
CACYBP	3.535	10.41
CAD	7.108	13.3
CADM1	3.509	0
CADM2	3.332	0
CADM3	2.525	0.03
CADM4	2.176	0.62
CADPS	5.627	0
CADPS2	9.396	0.02
CAGE1	4.271	0.04
CALB1	2.531	0
CALB2	2.263	0
CALCA	1.454	0
CALCB	1.031	0
CALCOCO1	3.157	27.64
CALCOCO2	3.282	24.38
CALCP	0.501	0
CALCR	6.94	0.54
CALCRL	3.008	0

CALD1	11.776	3.37
CALM1	4.66	125.16
CALM1P1	0.108	131.82
CALM1P2	0.768	0.22
CALM2	1.128	180.57
CALM2P2	0.445	62.09
CALM2P3	3.213	1.57
CALM3	2.259	210.24
CALML3	1.302	0
CALML4	5.321	9.1
CALML5	0.851	0
CALML6	1.101	0.23
CALN1	12.227	0.05
CALR	1.901	724.09
CALR3	1.273	0
CALU	6.634	7.37
CAMK1	1.483	29.88
CAMK1D	5.237	9.71
CAMK1G	2.47	0
CAMK2A	4.836	0
CAMK2B	4.992	0
CAMK2D	6.756	2.68
CAMK2G	4.461	6.25
CAMK2N1	0.847	0.59
CAMK2N2	1.36	0.06
CAMK4	2.107	0.04
CAMKK1	4.776	1.06
CAMKK2	9.388	9.19
CAMKV	3.028	0.03
CAMLG	2.203	7.88
CAMP	0.714	10.97
CAMSAP1	6.06	3.34
CAMSAP1L1	7.352	1.25
CAMTA1	8.984	2.09
CAMTA2	4.475	10.88
CAND1	5.354	9.69
CAND2	5.355	0.76
CANT1	3.473	16.72
CANX	5.074	88.6
CAP1	2.602	92.56
CAP2	3.027	0
CAP2P1	2.014	0
CAPG	1.442	22.84
CAPN1	3.007	68.19
CAPN10	3.657	8.24
CAPN11	2.728	5.44
CAPN12	3.129	2.15
CAPN13	2.682	0.03
CAPN14	3.787	0.89
CAPN2	3.406	11.6

CAPN3	5.988	5.94
CAPN5	4.393	3.19
CAPN6	3.568	0
CAPN7	4.368	3.84
CAPN9	2.851	0
CAPNS1	1.49	324.79
CAPNS2	1.009	0
CAPS	1.373	4.78
CAPS2	3.831	0.24
CAPSL	0.934	0
CAPZA1	2.74	31.82
CAPZA1P	0.855	9.36
CAPZA2	4.712	5.06
CAPZA3	1.078	0
CAPZB	1.63	133.9
CARD10	3.899	0.04
CARD11	8.516	2.69
CARD14	4.734	0.05
CARD6	4.097	4.28
CARD8	5.393	18.49
CARD9	2.098	0.08
CARHSP1	1.642	52.12
CARKL	4.433	7.3
CARM1	2.968	20.32
CARS	3.494	8.34
CARS2	1.843	19.75
CART1	1.442	0
CARTPT	1.816	0
CASC1	2.55	0
CASC2	3.816	0
CASC3	4.106	21.66
CASC4	3.961	6.91
CASC5	8.693	1.35
CASD1	7.634	0.92
CASK	3.123	0.73
CASKIN1	5.695	0.78
CASKIN2	4.978	6.87
CASKP	18.328	0
CASP1	1.576	50.51
CASP10	4.222	14.19
CASP12	13.287	0.06
CASP14	0.777	0
CASP2	14.014	3.44
CASP3	2.673	7.6
CASP4	1.982	52.96
CASP5	1.399	0.18
CASP6	1.661	2.74
CASP7	4.681	5.04
CASP8	3.744	6.35
CASP8AP2	6.749	2.08

CASP9	1.993	4.48
CASQ1	1.878	0.04
CASQ2	2.527	0
CASR	4.913	0
CAST	5.314	20.86
CASZ1	4.094	1.4
CAT	2.294	99.51
CATSPER1	2.615	0
CATSPER2	3.546	0.9
CATSPER3	1.338	0.37
CATSPER4	1.419	0
CAV1	5.408	0.06
CAV2	11.743	0.01
CAV3	2.223	0
CBARA1	2.363	17.29
CBFA2T2	8.061	2.94
CBFA2T3	4.599	17.62
CBFB	5.581	10.94
CBL	11.227	5.99
CBLB	3.976	4.78
CBLC	1.557	0.32
CBLL1	4.479	9.89
CBLN1	1.517	0
CBLN2	2.733	0
CBLN3	2.336	3.57
CBLN4	2.508	0
CBR1	1.245	14.14
CBR3	1.112	1.14
CBR4	3.456	2.07
CBS	2.516	0.1
CBWD1	1.679	1.41
CBWD2	1.677	2.26
CBWD3	1.677	0
CBWD5	1.143	0.66
CBX1	2.216	0.76
CBX2	5.016	5.56
CBX3	3.864	14.87
CBX4	2.649	25.47
CBX5	3.598	25.89
CBX6	5.979	25.84
CBX7	3.964	1.83
CBX8	1.521	3.76
CBY1	1.271	6.03
CC2D1A	3.686	8.55
CC2D1B	5.639	5
CCAR1	3.858	12.53
CCBE1	3.233	0.03
CCBL1	2.106	3.4
CCBL2	2.084	4.97
CCBP2	2.948	0

CCDC100	2.341	4.25
CCDC101	1.141	14.76
CCDC102A	2.429	4.27
CCDC102B	2	0.13
CCDC103	1.256	0.14
CCDC104	1.372	4.3
CCDC105	1.732	0
CCDC106	1.993	8.71
CCDC107	1.177	30.85
CCDC108	8.122	0
CCDC109A	2.949	6.48
CCDC109B	1.212	11.68
CCDC11	1.824	0.14
CCDC110	2.851	0
CCDC111	2.079	2.47
CCDC112	3.03	0.11
CCDC113	5.249	0.13
CCDC114	1.907	0.4
CCDC115	1.644	20.6
CCDC116	2.192	0
CCDC117	3.935	10.14
CCDC12	0.843	49.97
CCDC120	3.972	2.61
CCDC121	2.342	0.8
CCDC122	3.461	0.85
CCDC123	3.132	3.55
CCDC124	1.038	50.32
CCDC125	7.233	1.29
CCDC126	4.946	0.37
CCDC127	1.42	5.87
CCDC128	3.137	5.21
CCDC129	9.088	0
CCDC13	2.827	0
CCDC130	1.632	14.35
CCDC131	7.158	4.16
CCDC132	7.754	0.93
CCDC134	1.275	1.78
CCDC135	2.898	0.49
CCDC14	7.914	3.59
CCDC15	2.659	0.54
CCDC16	1.63	8.52
CCDC17	1.873	0.99
CCDC18	4.658	1.19
CCDC19	1.795	0.05
CCDC21	3.935	5.01
CCDC22	2.715	9.25
CCDC23	0.652	22.09
CCDC24	1.463	5.58
CCDC25	3.586	6.7
CCDC26	2.234	6.6

CCDC27	2.177	0
CCDC28A	1.496	9.41
CCDC28B	1.415	7.98
CCDC3	2.738	1.05
CCDC32	1.705	16.6
CCDC33	2.093	0
CCDC34	3.051	5.41
CCDC35	4.862	0.38
CCDC36	2.613	0
CCDC37	2.086	0
CCDC38	1.953	0
CCDC4	3.33	0
CCDC40	6.094	0.22
CCDC41	2.936	2.67
CCDC42	1.374	0.25
CCDC43	2.082	7.85
CCDC44	1.457	9.48
CCDC45	2.691	6.01
CCDC46	3.85	0.15
CCDC47	3.267	12.94
CCDC48	1.963	0
CCDC49	2.33	8.97
CCDC5	1.098	11.97
CCDC50	2.454	0
CCDC51	1.506	5.26
CCDC52	5.412	1.74
CCDC53	0.857	11.01
CCDC54	1.294	0
CCDC55	4.449	6.44
CCDC56	0.753	46.98
CCDC57	2.997	5.4
CCDC58	0.718	6.1
CCDC59	1.055	10.54
CCDC6	5.704	5.41
CCDC60	2.45	0
CCDC62	3.368	0.08
CCDC63	1.945	0
CCDC64	1.664	0.05
CCDC65	1.777	0.24
CCDC66	3.098	2.26
CCDC67	1.656	0
CCDC68	3.977	0
CCDC69	3.399	22.75
CCDC7	2.445	0.1
CCDC70	1.125	0
CCDC71	1.781	18.21
CCDC72	0.463	101.52
CCDC73	4.015	0.29
CCDC74A	1.457	0.17
CCDC74B	1.471	0

CCDC75	1.166	4.19
CCDC76	3.129	2.93
CCDC77	2.258	2.84
CCDC78	4.796	0.54
CCDC79	1.846	0
CCDC8	2.757	0.09
CCDC80	4.732	0.14
CCDC81	2.51	0.2
CCDC82	2.695	4.15
CCDC83	2.345	0
CCDC84	1.202	5.6
CCDC85A	3.983	0
CCDC85B	1.232	58.94
CCDC86	1.893	22.03
CCDC87	2.884	0.03
CCDC88	4.915	3.24
CCDC89	2.428	0
CCDC9	2.017	5.89
CCDC90A	1.229	8.09
CCDC90B	1.578	13.82
CCDC91	2.335	4.11
CCDC92	1.793	9.96
CCDC93	6.794	4.23
CCDC94	1.415	14.11
CCDC95	1.185	34.76
CCDC96	1.769	0.81
CCDC97	3.322	28.96
CCDC98	2.718	4.43
CCDC99	2.529	4.33
CCHCR1	8.796	0.17
CCIN	1.93	0
CCK	0.829	0
CCKAR	1.682	0
CCKBR	2.12	0
CCL1	0.542	0
CCL11	0.925	0
CCL13	0.851	0.2
CCL14	0.481	7.36
CCL14-CCL15	0.1	0
CCL15	0.962	0
CCL16	1.497	0
CCL17	0.615	961.66
CCL18	0.77	0.11
CCL19	0.684	0.12
CCL2	0.749	25.53
CCL20	0.8	0
CCL21	0.878	0
CCL22	2.894	0.03
CCL23	0.74	0
CCL24	0.72	0

CCL25	0.891	0
CCL26	1.124	0
CCL27	0.446	0
CCL28	0.816	3.31
CCL3	0.775	0.98
CCL3L1	0.783	0
CCL3L2	1.244	0
CCL3L3	0.775	0
CCL4	0.667	0.38
CCL4L1	0.659	0
CCL4L2	0.379	0
CCL5	1.23	6.65
CCL7	0.805	0
CCL8	1.25	0
CCM2	4.612	10.23
CCNA1	1.73	0.34
CCNA2	1.676	10.55
CCNB1	2.093	19.4
CCNB1IP1	2.963	21.29
CCNB2	1.513	18.21
CCNB3	4.513	0
CCNC	2.474	7.08
CCND1	4.289	2.97
CCND2	6.48	91.18
CCND2P	0.953	1.33
CCND3	2.051	350.91
CCNDBP1	1.979	15.96
CCNE1	2.074	1.18
CCNE2	2.837	0.71
CCNF	4.238	8.17
CCNG1	2.602	23.34
CCNG2	2.037	8.35
CCNH	1.378	9.36
CCNI	2.604	165.85
CCNJ	4.11	1.13
CCNJL	3.274	1.28
CCNK	2.033	26.31
CCNL1	2.625	14.12
CCNL2	7.216	6.68
CCNT1	2.959	3.9
CCNT2	8.281	2.38
CCNU	2.973	0.11
CCNY	3.42	19.24
CCNYL1	1.952	1.72
CCNYL2	1.999	0
CCNYL3	2.541	0
CCPG1	6.822	2.43
CCR1	2.676	2.14
CCR10	1.229	0.2
CCR2	4.169	0

CCR3	1.945	0
CCR4	1.657	0
CCR5	3.655	0.35
CCR6	3.632	19.57
CCR7	2.173	1.94
CCR8	2.371	0
CCR9	5.006	0
CCRK	2.521	0
CCRL1	2.485	0.07
CCRL1P	1.832	0.05
CCRL2	1.729	1.22
CCRN4L	1.954	1.21
CCS	1.032	28.65
CCT2	1.954	59.19
CCT3	2.211	146.49
CCT4	2.602	62.68
CCT5	3.403	41.93
CCT6A	5.328	19.3
CCT6B	1.816	0.14
CCT7	1.892	135.66
CCT8	1.895	86.59
CD109	5.882	2.38
CD14	1.867	1.31
CD151	1.62	2.18
CD160	1.559	0.32
CD163	4.105	0.64
CD163L1	4.583	0.05
CD164	2.993	77.46
CD164L2	1.457	0.06
CD177	2.426	2.33
CD180	2.698	0.88
CD19	1.95	272.83
CD1A	2.072	0.45
CD1B	1.294	0
CD1C	1.194	2.12
CD1D	2.253	0.41
CD1E	0.972	0
CD2	1.515	1
CD200	2.291	21.4
CD200R1	2.862	0
CD200R2	1.296	0
CD207	1.868	0
CD209	4.267	3.35
CD22	3.251	23.97
CD226	2.565	0.1
CD24	2.18	363.41
CD244	2.463	0.27
CD247	1.866	2.03
CD248	2.558	139.82
CD27	1.481	11.43

CD274	1.54	0.16
CD276	3.401	0.03
CD28	3.806	0.14
CD2AP	4.644	2.61
CD2BP2	1.285	30.09
CD300A	1.889	8.29
CD300C	1.517	0.11
CD300E	0.739	0
CD300LB	2.286	0.03
CD300LF	1.759	2.69
CD300LG	2.756	0.03
CD302	3.741	1.99
CD320	1.25	21.97
CD33	1.436	2.35
CD33L3	1.505	1.62
CD34	4.197	361.43
CD36	5.562	1.47
CD37	1.938	90.41
CD38	1.493	0.23
CD3D	1.53	0.99
CD3E	1.356	3.04
CD3EAP	3.286	10.26
CD3G	0.823	0.41
CD4	3.103	1.9
CD40	2.509	16.21
CD40LG	1.833	0.09
CD44	9.034	8.32
CD46	7.388	4.59
CD47	9.745	9.62
CD48	1.07	12.13
CD5	3.121	0.3
CD52	0.505	973.79
CD53	1.721	209.39
CD55	2.284	6.86
CD58	1.04	4.78
CD59	7.809	11.62
CD5L	2.152	1.25
CD6	3.23	0.63
CD63	1.095	109.4
CD68	2.483	9.23
CD69	1.676	40.91
CD7	1.283	1.11
CD70	0.913	8.12
CD72	1.532	28.31
CD74	2.2	8588.4
CD79A	1.444	278.72
CD79B	1.315	303.12
CD80	2.725	0.09
CD81	1.497	267.33
CD82	2.279	130.73

CD83	2.604	1.94
CD84	3.276	0.59
CD86	2.901	0.2
CD8A	2.202	1.45
CD8B	3.054	0.33
CD8BP	20.283	0.02
CD9	1.231	508.7
CD93	6.701	5.61
CD96	4.481	0.7
CD97	3.233	210.76
CD99	1.237	681.93
CD99L2	3.605	6.4
CDA	0.96	1.76
CDADC1	3.346	1.89
CDAN1	4.73	5.61
CDC10P	1.304	0.32
CDC123	1.542	51.73
CDC14A	5.221	0.42
CDC14B	5.792	0.58
CDC14C	4.284	0
CDC16	2.196	13.58
CDC2	1.227	11.33
CDC20	1.669	45.88
CDC20B	2.946	0
CDC20P	1.621	11.12
CDC23	3.142	10.86
CDC25A	3.706	2.23
CDC25B	3.761	19.26
CDC25C	2.115	1.79
CDC26	0.872	23.96
CDC27	3.277	6.02
CDC2L1	3.418	8.55
CDC2L2	3.526	7.98
CDC2L5	11.037	3.74
CDC2L6	6.139	4.71
CDC34	1.445	22.85
CDC37	1.671	150.57
CDC37L1	1.706	1.78
CDC40	3.853	5.4
CDC42	3.155	35.24
CDC42BPA	8.019	0.99
CDC42BPB	6.757	4.54
CDC42BPG	4.68	0.14
CDC42EP1	2.23	0.26
CDC42EP2	1.981	1.02
CDC42EP3	4.922	9.32
CDC42EP4	3.101	2.72
CDC42EP5	0.875	5.58
CDC42P1	0.548	0
CDC42SE1	3.183	37.31

CDC42SE2	3.657	13.86
CDC45L	1.91	5.12
CDC5L	3	11.4
CDC6	3.053	3.97
CDC7	3.172	1.99
CDC73	2.98	4.89
CDCA2	3.722	1.72
CDCA3	1.119	9.79
CDCA4	2.9	9.09
CDCA5	2.485	11.93
CDCA7	2.81	10.76
CDCA7L	6.071	9.63
CDCA8	2.303	14.15
CDCP1	6.61	0
CDCP2	2.723	0
CDGAP	6.32	1.16
CDH1	4.815	0.1
CDH10	3.261	0
CDH11	3.648	0.09
CDH12	4.164	0
CDH12P	0.602	0
CDH13	3.828	0
CDH15	2.859	0
CDH16	2.833	0
CDH17	3.697	0
CDH18	2.944	0
CDH19	3.185	0
CDH2	4.108	0
CDH20	2.855	0
CDH22	3.657	0
CDH23	11.395	0.2
CDH24	2.873	0.38
CDH26	3.397	0.05
CDH3	3.636	0
CDH4	3.062	0
CDH5	4.09	10.56
CDH6	4.521	0.03
CDH7	3.002	0
CDH8	2.929	0
CDH9	3.075	0
CDIPT	2.079	42.46
CDK10	3.97	12.9
CDK2	2.29	14.68
CDK2AP1	1.615	26.13
CDK2AP2	1.378	77.51
CDK3	1.601	6.31
CDK4	1.443	62.52
CDK5	2.274	4.85
CDK5R1	3.854	0.85
CDK5R2	2.48	0

CDK5RAP1	2.268	8.21
CDK5RAP2	6.23	7.89
CDK5RAP3	3.667	26.44
CDK6	24.165	8.93
CDK7	2.834	1.66
CDK7PS	1.14	1.26
CDK8	1.769	3.62
CDK9	3.522	91.37
CDKAL1	2.408	3.08
CDKL1	1.177	2.29
CDKL2	1.921	0
CDKL3	1.501	0.84
CDKL4	1.567	0
CDKL5	3.518	0.29
CDKN1A	2.351	68.9
CDKN1B	2.404	22.36
CDKN1C	1.493	0.17
CDKN2A	2.735	14.45
CDKN2AIP	2.374	7.21
CDKN2B	7.485	1.99
CDKN2C	2.853	21.08
CDKN2D	1.447	14.38
CDKN3	0.836	10.98
CDO1	1.614	0.05
CDON	8.044	0.42
CDR1	1.299	0.2
CDR2	2.702	3.71
CDR2L	3.529	0.19
CDRT1	1.282	0.66
CDRT15	0.567	0.3
CDRT4	2.489	0.17
CDS1	2.4	0
CDS2	7.843	34.04
CDSN	7.641	0.03
CDT1	2.675	17.76
CDV3	3.592	37.66
CDX1	1.699	0
CDX2	2.09	0
CDX4	0.855	0
CDY1	4.262	0
CDY10P	2.868	0
CDY11P	3.029	0
CDY12P	1.209	0
CDY13P	1.209	0
CDY14P	1.208	0
CDY15P	3.242	0
CDY16P	1.331	0
CDY17P	2.137	0
CDY18P	3.448	0
CDY19P	3.448	0

CDY1B	4.262	0
CDY20P	2.137	0
CDY21P	1.331	0
CDY22P	3.242	0
CDY23P	1.208	0
CDY2A	1.96	0
CDY2B	1.96	0
CDY3P	2.805	0
CDY4P	2.73	0
CDY5P	1.999	0
CDY6P	2.137	0
CDY7P	2.297	0
CDY8P	2.137	0
CDY9P	1.999	0
CDYL	4.391	2.92
CDYL2	2.233	0
CEACAM1	5.452	1.66
CEACAM16	1.797	0
CEACAM19	1.863	0
CEACAM20	2.12	0
CEACAM21	2.028	29.99
CEACAM3	1.022	0.25
CEACAM4	1.205	0.21
CEACAM5	2.972	0.11
CEACAM6	2.528	16.26
CEACAM7	2.291	0
CEACAM8	2.271	2.34
CEACAMP10	0.912	0
CEACAMP11	0.911	0
CEACAMP2	0.289	0
CEACAMP3	0.248	0
CEACAMP4	0.297	0
CEACAMP5	8.866	0
CEACAMP6	0.911	0
CEACAMP7	0.913	0
CEACAMP8	0.901	0
CEACAMP9	0.912	0
CEBPA	2.385	14.06
CEBPB	1.837	10.77
CEBPD	1.295	1.23
CEBPE	1.201	2.67
CEBPG	3.736	3.93
CEBPZ	3.444	10.25
CECR1	6.215	1.86
CECR2	4.823	4.32
CECR5	1.88	18.19
CECR6	4.954	1.09
CECR8	1.185	0
CEECAM1	2.327	3.7
CEL	2.35	2.44

CELP	4.818	0.3
CELSR1	11.389	0.13
CELSR2	10.534	2.22
CELSR3	11.962	0.06
CEND1	1.643	0.1
CENPA	1.389	6.19
CENPB	2.84	56
CENPC1	3.349	3.62
CENPC2	3.138	1.1
CENPE	8.612	1.44
CENPF	10.296	8.57
CENPH	1.389	4.86
CENPI	2.563	0.56
CENPJ	4.345	2.6
CENPK	1.72	1.67
CENPL	1.901	2.66
CENPM	1.39	9.76
CENPN	1.387	3.15
CENPO	1.625	6.12
CENPP	3.422	1.06
CENPQ	1.728	1.71
CENPT	2.133	18.32
CENTA1	4.592	4.61
CENTA2	2.749	1.22
CENTB1	2.483	28.32
CENTB2	7.091	4.69
CENTB5	2.624	5.36
CENTD1	7.771	2.63
CENTD2	6.216	18.79
CENTD3	5.262	0.29
CENTG1	3.938	5.6
CENTG2	5.446	7.27
CENTG3	6.248	9.93
CEP110	7.431	5.01
CEP135	5.67	1.4
CEP152	4.344	2.19
CEP164	5.629	4.03
CEP170	6.816	3.86
CEP170L	97.094	0.1
CEP192	9.438	2.43
CEP250	8.348	8.07
CEP27	1.754	3.94
CEP290	7.951	1.39
CEP350	11.74	2.06
CEP55	2.618	3.7
CEP57	3.158	8.83
CEP63	2.77	6.96
CEP68	2.713	22.01
CEP70	2.663	2.4
CEP72	2.355	1.61

CEP76	2.869	1.38
CEP78	2.304	1.65
CEPT1	2.348	10.48
CER1	1.206	0
CERK	7.467	15.59
CERKL	3.822	11.07
CES1	2.299	0.14
CES2	4.033	11.34
CES4	2.259	0
CES7	1.962	0
CESK1	2.053	0
CETN1	1.158	0
CETN2	1.08	11.46
CETN3	0.982	8.32
CETP	1.79	1.27
CFB	7.722	0
CFC1	1.009	0
CFD	1.173	1.08
CFDP1	1.279	44.92
CFH	4.243	0.08
CFHR1	1.262	0.07
CFHR2	1.036	0
CFHR3	1.597	0
CFHR4	1.262	0
CFHR5	2.794	0
CFI	1.963	0
CFL1	1.26	604.96
CFL2	3.232	0.57
CFLAR	2.412	5.69
CFLP1	26.779	0
CFP	1.701	15.1
CFTR	12.264	0
CG018	2.107	8.4
CGA	0.704	0
CGB	0.879	0
CGB1	0.732	0
CGB2	0.732	0
CGB5	0.88	0
CGB7	0.88	0
CGB8	0.88	0
CGGBP1	4.539	12.68
CGI-09	2.311	5.54
CGI-148P	1.833	0.32
CGI-38	1.132	0.22
CGN	5.088	0.03
CGNL1	7.218	0.09
CGREF1	1.848	0.04
CGRRF1	1.323	2.86
CH25H	1.381	0.06
CHAC1	1.498	1.01

CHAC2	1.275	1.32
CHAD	1.783	0.28
CHAF1A	3.343	10.91
CHAF1B	2.279	4.25
CHAT	3.042	0
CHCHD1	0.549	23.79
CHCHD2	2.563	12.88
CHCHD3	3.19	9.21
CHCHD4	1.549	5.06
CHCHD5	0.673	19.27
CHCHD6	0.946	8.46
CHCHD7	3.318	16.38
CHCHD8	0.817	44.85
CHCHD9	0.774	45.82
CHD1	6.457	4.42
CHD1L	2.967	18.29
CHD2	11.459	11.96
CHD3	7.663	86.28
CHD4	6.497	55.72
CHD5	9.646	0.02
CHD6	10.389	3.98
CHD7	10.444	4.2
CHD8	7.387	11.08
CHD9	10.836	3.88
CHDH	2.147	0
CHEK1	2.007	4.61
CHEK2	1.987	5.22
CHERP	4.075	16.77
CHES1	7.818	13.43
CHFR	3.138	8.59
CHGA	1.994	0
CHGB	2.454	0
ChGn	3.872	4.83
CHI3L1	1.921	1.97
CHI3L2	1.843	0.23
CHIA	1.422	0
CHIC1	4.158	0.14
CHIC2	1.125	3.75
CHID1	2.736	19.27
CHIT1	1.635	0.93
CHKA	2.717	18.6
CHKB	1.595	15.37
CHKB-CPT1B	0.1	0
CHL1	7.65	0.01
CHM	5.442	2
CHML	7.067	1.48
CHMP1B	1.272	27.68
CHMP2A	1.032	57.87
CHMP2B	2.395	3.27
CHMP4A	1.505	27.81

CHMP4B	1.635	69.14
CHMP4C	1.847	0
CHMP5	1.39	7.09
CHMP6	1.61	14.18
CHMP7	3.386	7.94
CHN1	2.957	2.28
CHN2	7.848	3.68
CHODL	2.545	0.1
CHORDC1	2.039	4.38
CHORDC2P	2.392	0
CHP	3.23	15.83
CHPF	2.933	0.12
CHPT1	1.567	8.55
CHR415SYT	2.584	0
CHRAC1	2.497	10.93
CHRD	3.521	0
CHRD1	2.471	0.34
CHRD2	1.678	0
CHRFAM7A	3.026	0.08
CHRM1	2.823	0
CHRM2	6.778	0.01
CHRM3	2.748	0
CHRM4	1.468	0.46
CHRM5	2.683	0
CHRNA1	2.04	79.28
CHRNA10	1.945	0.17
CHRNA2	2.666	0
CHRNA3	2.999	0.59
CHRNA4	5.54	0
CHRNA5	2.428	0.32
CHRNA6	2.09	0
CHRNA7	2.171	0.16
CHRNA9	1.892	0.04
CHRN1	2.437	1.59
CHRN2	2.448	0.07
CHRN3	1.956	0
CHRN4	2.448	13.84
CHRND	1.741	0
CHRNE	2.463	6.3
CHRNG	2.187	0.12
CHST1	2.718	0.03
CHST10	2.815	5.47
CHST11	3.825	40.85
CHST12	4.206	8.49
CHST13	1.739	0
CHST2	3.043	10.52
CHST3	6.963	1.94
CHST4	2.011	0
CHST5	5.282	0.03
CHST6	3.751	0

CHST7	3.456	6.97
CHST8	2.479	0
CHST9	2.136	0
CHSY1	4.535	21.61
CHSY-2	3.492	0
CHTF18	3.065	5.44
CHUK	3.524	2.66
CHURC1	3.381	10.74
CHX10	2.995	0
CIAO1	4.053	12.57
CIAPIN1	2.106	19.6
CIB1	0.862	30.69
CIB2	1.547	1.42
CIB3	0.661	0
CIB4	0.745	0
CIC	5.473	42.32
CICE	9.387	0.93
CICK0721Q.1	1.198	0.35
CIDEA	1.164	0.08
CIDEB	3.405	28.32
CIDEC	1.277	0.99
CIITA	5.674	78.46
CILP	4.432	0
CILP2	3.593	0.03
CINP	0.979	16.69
CIP29	0.892	27.85
CIR	1.793	18.18
CIRBP	1.317	202.18
CIRH1A	2.192	19.64
CISH	2.017	42.1
CIT	8.576	3.99
CITED1	1.184	0
CITED2	1.93	15.71
CITED4	1.291	34.84
CIZ1	3.032	48.73
CKAP2	3.626	10.41
CKAP2L	3.205	3.76
CKAP4	2.915	7.28
CKAP5	6.698	15.42
CKB	1.431	1.12
CKBP1	2.162	0
CKLF	1.313	72.17
CKM	1.557	0.05
CKMT1A	1.779	0
CKMT1B	1.779	0
CKMT2	1.598	1.9
CKS1A	0.717	1.65
CKS1B	0.717	2.47
CKS1BP	0.718	0
CKS1BP2	0.709	0.24

CKS1BP3	0.709	0.24
CKS2	0.613	58.26
CLASP1	8.287	6.88
CLASP2	7.261	2
CLC	0.63	0.26
CLCA1	3.312	0
CLCA2	3.969	0
CLCA3	3.412	0
CLCA4	3.211	0
CLCC1	2.226	5.94
CLCF1	1.842	0.23
CLCN1	6.186	0
CLCN2	2.697	0.84
CLCN3	5.151	4.91
CLCN4	4.557	0.74
CLCN5	3.177	0.03
CLCN6	5.937	2.86
CLCN7	3.994	37.71
CLCNKA	2.461	0
CLCNKB	2.16	0
CLCP1	0.608	0.14
CLDN1	3.429	0
CLDN10	2.817	0
CLDN11	2.157	0.12
CLDN12	6.938	0.5
CLDN14	2.003	0
CLDN15	5.151	6.08
CLDN16	1.494	0
CLDN17	0.675	0
CLDN18	3.632	0
CLDN19	2.859	0
CLDN2	2.959	0
CLDN20	1.209	0.28
CLDN22	0.522	0
CLDN23	1.576	0.05
CLDN3	2.5	0
CLDN4	3.646	0
CLDN5	1.699	0.45
CLDN6	1.344	0
CLDN7	1.298	3.89
CLDN8	1.989	0
CLDN9	1.715	0.05
CLDND1	3.619	5.01
CLDND2	0.974	0.87
CLEC10A	1.867	0.54
CLEC11A	1.407	477.04
CLEC12A	1.549	0.32
CLEC12B	3.029	0
CLEC14A	2.256	101.26
CLEC1A	1.779	0

CLEC1B	0.952	0
CLEC2A	0.732	0
CLEC2B	2.038	26.12
CLEC2D	4.593	6.73
CLEC2L	0.81	0
CLEC3A	1.887	0
CLEC3B	0.841	1.8
CLEC4A	1.377	0.8
CLEC4C	1.314	0.07
CLEC4D	1.936	0
CLEC4E	2.158	0.04
CLEC4F	2.475	0
CLEC4G	1.304	0.39
CLEC4M	5.242	0.08
CLEC5A	7.022	0.03
CLEC6A	1.613	0
CLEC7A	4.546	0
CLEC9A	1.673	0.1
CLGN	2.705	0.06
CLIC1	3.753	0.4
CLIC2	2.686	0.41
CLIC3	0.813	0.2
CLIC4	4.29	5.11
CLIC5	5.703	0
CLIC6	3.8	0
CLINT1	3.425	14.78
CLIP1	5.88	5.57
CLIP2	11.11	17.91
CLIP3	3.349	2.67
CLIP4	4.261	0
CLK1	2.394	12.53
CLK2	2.737	24.9
CLK2P	26.923	0.43
CLK3	2.463	20.65
CLK4	2.507	4.64
CLLU1	3.897	0
CLLU1OS	0.686	0
CLMN	3.118	0.48
CLN3	1.689	14.22
CLN5	4.064	2.23
CLN6	2.187	31.04
CLN8	4.817	1.09
CLNS1A	1.366	37.19
CLNS1B	1.319	1.15
CLOCK	0.1	33.69
CLP1	2.432	3.81
CLPB	3.382	8.86
CLPP	1.151	56.35
CLPS	0.539	0
CLPSMCR	2.276	0

CLPTM1	2.469	41.76
CLPTM1L	2.148	70.59
CLPX	2.351	11.46
CLRN1	3.623	0
CLRN2	0.855	0
CLRN3	1.143	0
CLSPN	4.379	1.1
CLSTN1	5.192	83.83
CLSTN2	4.421	0
CLSTN3	3.187	2.91
CLTA	1.188	40.98
CLTB	1.185	55.73
CLTC	6.525	48.66
CLTCL1	5.483	0.71
CLU	3.244	0.2
CLUAP1	3.219	4.11
CLUL1	2.001	0
CLYBL	2.73	1.02
CMA1	0.784	0
CMAH	58.691	0.3
CMAS	1.741	8.23
CMBL	4.047	7.74
CMIP	4.382	18.4
CMKLR1	1.882	0.04
CMPK	2.811	24.3
CMTM1	1.55	2.99
CMTM2	1.365	39.56
CMTM3	2.563	71.45
CMTM4	10.887	0.48
CMTM5	1.2	0.07
CMTM6	3.366	22
CMTM7	1.351	29.93
CMTM8	1.17	11.88
CMYA1	6.451	0.05
CMYA3	10.221	0
CMYA5	12.892	0
CNBD1	1.593	0
CNBP	1.496	169.14
CNDP1	2.198	0
CNDP2	2.643	57.81
CNFN	0.523	0.65
CNGA1	2.525	0.07
CNGA2	3.285	0
CNGA3	3.47	0
CNGA4	1.851	0.04
CNGB1	4.344	0
CNGB3	4.347	0
CNIH	2.48	15.32
CNIH2	1.33	0.19
CNIH3	2.372	0.18

CNIH4	0.623	9.06
CNKSR1	2.514	0.43
CNKSR2	3.281	0.03
CNKSR3	3.228	2.53
CNN1	1.586	0
CNN2	2.458	7.47
CNN3	2.032	9.37
CNNM1	4.782	0
CNNM2	4.33	0.89
CNNM3	4.916	7.86
CNNM4	4.8	3.2
CNO	1.546	6.16
CNOT1	9.008	20.81
CNOT10	2.741	9.81
CNOT2	3.28	14.79
CNOT3	2.855	31.93
CNOT4	8.396	1.15
CNOT6	6.176	4.1
CNOT6L	2.267	9.18
CNOT7	3.671	10.21
CNOT8	2.483	32.77
CNP	5.222	19.32
CNPY1	2.718	0
CNR1	6.789	0
CNR2	1.775	8.4
CNTD1	2.241	0.15
CNTD2	1.783	0.09
CNTF	1.891	0
CNTFR	2.038	0
CNTN1	3.427	0
CNTN2	7.637	0
CNTN3	4.997	0
CNTN4	5.988	0
CNTN5	4.164	0
CNTN6	3.53	0
CNTNAP1	5.275	0.22
CNTNAP2	19.775	0.01
CNTNAP3	5.229	0
CNTNAP4	4.91	0
CNTNAP5	5.481	0
CNTROB	4.831	10.13
COASY	2.452	24.81
COBL	10.581	0.39
COBLL1	4.923	0.05
COBRA1	2.372	34.45
COCH	2.534	15.36
COG1	3.035	8.33
COG2	2.901	6.85
COG3	4.482	5.18
COG4	2.797	22.68

COG5	7.208	1.84
COG6	3.427	4.33
COG7	2.79	6.31
COG8	2.482	13.61
COIL	2.634	5.18
COILP1	2.595	0.55
COILP2	2.351	0.4
COL10A1	3.26	0
COL11A1	6.472	0.02
COL11A2	19.275	0
COL12A1	11.579	0
COL13A1	3.239	0
COL14A1	6.459	0.03
COL15A1	5.211	0.02
COL16A1	5.462	0.09
COL17A1	5.947	0.11
COL18A1	6.058	1.27
COL19A1	8.725	0
COL1A1	5.92	0.76
COL1A2	10.829	0.14
COL20A1	4.171	0
COL21A1	4.173	0
COL22A1	6.346	0
COL23A1	3.061	8.29
COL24A1	6.5	0
COL25A1	2.959	0.06
COL27A1	5.756	2.63
COL28A1	7.031	0
COL2A1	5.06	0
COL3A1	5.49	0.15
COL4A1	6.494	0.17
COL4A2	6.264	0.65
COL4A3	14.108	0
COL4A3BP	2.544	4.4
COL4A4	7.844	0
COL4A5	6.445	0
COL4A6	6.815	0
COL5A1	8.439	6.96
COL5A2	6.93	0.09
COL5A3	6.174	0.09
COL6A1	4.225	1.4
COL6A2	4.942	0.65
COL6A3	10.658	24.47
COL7A1	9.261	0.03
COL8A1	2.658	0.06
COL8A2	4.443	0.38
COL9A1	3.932	0
COL9A2	2.831	0.51
COL9A3	2.511	0
COLEC10	1.686	0

COLEC11	1.539	0
COLEC12	6.022	0.04
COLQ	7.197	36.12
COMMD1	2.288	15.65
COMMD10	1.427	5.97
COMMD2	1.583	4.41
COMMD3	0.946	19.77
COMMD4	0.925	30.14
COMMD5	3.112	2.6
COMMD6	1.138	45.3
COMMD7	1.464	36.65
COMMD8	1.412	3.52
COMMD9	1.286	25.02
COMP	2.452	0
COMT	1.559	85.37
COMTD1	0.975	2.68
COP1	1.152	42.85
COPA	5.024	28.2
COPB1	3.48	22.77
COPB2	3.062	26.68
COPE	1.134	143.89
COPG	3.074	38.75
COPG2	3.589	6.76
COPS2	1.947	10.08
COPS3	1.636	32.95
COPS4	1.748	14.36
COPS5	1.49	22.95
COPS6	2.852	22.15
COPS7A	1.795	21.92
COPS7B	1.977	28.88
COPS8	2.996	9.62
COPZ1	1.897	67.89
COPZ2	0.9	0
COQ10A	1.568	4.46
COQ10B	1.974	3.33
COQ2	1.538	5.42
COQ3	1.259	1.54
COQ4	1.548	25.2
COQ5	1.496	19.43
COQ6	1.976	6.43
COQ7	2.588	4
COQ9	1.616	23.35
CORIN	4.942	0
CORO1A	1.62	166.7
CORO1B	2.012	46.43
CORO1C	3.815	13.72
CORO2A	2.509	0.07
CORO2B	3.302	32.99
CORO6	1.844	1.56
CORO7	3.444	13.04

CORT	0.935	0.18
COTL1	1.827	5.17
COTL1P2	2.179	0
COVA1	4.319	5.71
COX1	1.542	0
COX10	3	4.72
COX11	2.703	5.01
COX11P	0.835	1.01
COX15	5.706	4.67
COX17	0.423	30.27
COX17P	0.192	25.88
COX18	4.523	1.68
COX19	7.215	2.86
COX2	0.684	0
COX3	0.781	0
COX4I1	0.802	382.31
COX4I2	0.684	0
COX4NB	1.911	10.18
COX5A	0.644	145.32
COX5AP1	0.449	13.51
COX5AP2	0.571	11.36
COX5B	0.505	204.66
COX5BL1	0.466	12.65
COX5BL7	0.388	0
COX6A1	0.548	191.53
COX6A1P	0.262	1.29
COX6A2	0.409	0
COX6B1	0.558	243.19
COX6B2	1.663	0
COX6BP1	1.432	3.06
COX6BP2	0.145	0
COX6BP3	0.493	0
COX6C	0.425	112.38
COX6CP1	0.215	24.29
COX6CP2	0.225	0
COX7A1	0.762	2.87
COX7A2	0.47	132.27
COX7A2L	1.117	73.98
COX7AP1	0.401	0
COX7AP2	0.321	18.9
COX7B	0.456	96.43
COX7B2	0.47	0
COX7BP1	0.244	8.63
COX7BP2	0.458	0
COX7C	0.407	224.15
COX7CP1	0.19	51.87
COX8A	0.507	232.27
COX8B	3.556	0
COX8C	0.531	0
CP	3.323	0.1

CP110	5.474	3.4
CPA1	2.728	0
CPA2	2.612	0
CPA3	1.633	0.2
CPA4	5.58	0.02
CPA5	5.15	0
CPA6	1.861	0
CPAMD8	5.836	0.03
CPB1	1.462	0
CPB2	2.283	0.22
CPD	8.025	2.36
CPE	2.431	0
CPEB1	2.776	0
CPEB2	5.627	0.28
CPEB3	5.84	0.54
CPEB4	6.909	0.81
CPLX1	2.14	0.12
CPLX2	4.934	0
CPLX3	2.012	0
CPLX4	1.946	0
CPM	6.767	4.51
CPN1	1.701	0
CPN2	3.028	0.03
CPNE1	2.885	75.33
CPNE2	2.181	111.35
CPNE3	4.848	12.98
CPNE4	2.576	0
CPNE5	3.339	2.42
CPNE6	2.01	0
CPNE7	2.657	3.11
CPNE8	3.461	0.05
CPNE9	2.049	0.7
CPO	1.125	0
CPOX	2.695	4.25
CPS1	5.745	1.07
CPSF1	4.494	30.22
CPSF1P1	3.801	1.93
CPSF2	5.041	5.78
CPSF3	2.171	19.32
CPSF3L	2.639	28.16
CPSF4	3.385	7.39
CPSF6	3.667	21.18
CPT1A	4.717	32.64
CPT1B	3.121	5.23
CPT1C	2.743	0.55
CPT2	3.092	5.83
CPVL	3.776	5.24
CPXCR1	1.594	0
CPXM1	2.39	36.69
CPXM2	3.724	0

CPZ	3.114	1.87
CR1	9.966	0.06
CR1L	1.793	0.05
CR2	4.145	0.04
CRABP1	0.738	0
CRABP2	0.969	0
CRADD	1.328	63.11
CRAMP1L	7.413	6.49
CRAT	3.195	6.99
CRB1	4.932	0
CRB2	5.64	0.37
CRB3	1.523	0
CRBN	2.202	7.5
CRCT1	0.695	0
CREB1	3.499	7.56
CREB3	1.851	9.06
CREB3L1	2.338	31.85
CREB3L2	14.906	3.06
CREB3L3	2.586	0
CREB3L4	1.747	17.22
CREB5	17.979	0.03
CREBBP	8.936	15.25
CREBL1	5.238	30.03
CREBL2	3.748	4.25
CREBZF	7.304	2.68
CREG1	2.026	12.64
CREG2	3.173	0
CRELD1	2.991	10.87
CRELD2	1.357	45.44
CREM	6.215	0.88
CRH	1.279	0
CRHBP	1.838	0.23
CRHR1	2.535	0
CRHR2	4.224	0
CRIM1	5.584	10.65
CRIM2	4.104	0.63
CRIP1	0.414	35.4
CRIP2	1.206	9.15
CRIP3	0.654	1.03
CRIPAK	1.935	4.4
CRIPT	1.24	3.47
CRISP1	3.075	0
CRISP2	1.383	0.06
CRISP3	2.107	0.88
CRISPLD1	4.061	0.62
CRISPLD2	4.562	0
CRK	4.286	2.83
CRKL	5.178	13.68
CRKRS	6.169	7.8
CRLF1	1.792	0

CRLF2	0.936	0
CRLF3	2.854	8.62
CRLS1	1.155	6.64
CRMP1	3.507	2.04
CRNKL1	4.406	4.89
CRNN	1.891	0
CROCC	6.642	3.15
CROP	4.011	32.36
CROT	6.346	0.51
CRP	2.015	0
CRPP1	0.825	0
CRSP2	7.984	3.83
CRSP3	5.713	2.63
CRSP6	3.412	2.51
CRSP7	3.184	3.31
CRSP8	1.384	14.55
CRSP9	1.066	3.95
CRTAC1	2.889	0
CRTAM	2.422	0.1
CRTAP	6.622	26.78
CRTC1	3.216	7.33
CRTC2	2.586	32.48
CRTC3	3.947	8.17
CRX	4.461	0
CRY1	2.985	5.75
CRY2	4.129	6.99
CRYAA	1.114	0
CRYAB	0.691	0.12
CRYBA1	0.8	0
CRYBA2	0.945	0
CRYBA4	0.807	0
CRYBB1	0.921	2.74
CRYBB2	0.722	0.58
CRYBB2P1	13.582	0.65
CRYBB3	0.853	0
CRYGA	0.697	0
CRYGB	0.629	0
CRYGC	0.7	0
CRYGD	0.606	0
CRYGEP1	4.737	0
CRYGFP1	2.679	0
CRYGGP1	0.285	0
CRYGN	1.446	0.18
CRYGS	0.842	0.8
CRYL1	1.528	13.17
CRYM	1.497	0.79
CRYZ	1.887	6.12
CRYZL1	1.711	2.61
CS	3.399	49.86
CSAD	2.645	1.65

CSAG1	1.093	0
CSAG2	0.788	0
CSAG3A	0.789	0
CSDA	1.913	216.2
CSDC2	2.304	0
CSDE1	5.368	63.82
CSE1L	3.561	12.4
CSF1	4.107	0.41
CSF1R	6.102	33.62
CSF2	0.781	0
CSF2RA	3.153	0.16
CSF2RB	2.996	2.73
CSF2RB2	3.194	0
CSF3	2.084	0
CSF3R	4.705	1.27
CSGlcA-T	7.94	5.37
CSH1	1.604	0
CSH2	1.613	0
CSHL1	1.076	0
CSK	2.607	77.9
CSMD1	11.814	0
CSMD2	13.108	0.01
CSMD3	13.692	0.01
CSN1S1	1.02	0
CSN1S2A	0.779	0
CSN2	1.066	0
CSN3	0.82	0
CSNK1A1	3.697	29.62
CSNK1A1L	2.407	1.85
CSNK1D	2.517	23.46
CSNK1E	3.31	38.81
CSNK1G1	8.06	2.58
CSNK1G2	2.647	41.82
CSNK1G3	4.376	2.17
CSNK2A1	3.814	18.2
CSNK2A1P	1.584	9.79
CSNK2A2	3.518	19.68
CSNK2B	3.384	1.02
CSPG4	7.896	0.26
CSPG4LYP1	4.593	0
CSPG4LYP2	4.593	0
CSPG5	1.988	0
CSPP1	3.715	2.29
CSRP1	1.817	40.19
CSRP2	0.901	24.49
CSRP2BP	4.259	5.48
CSRP2P	0.754	5.81
CSRP3	1.353	0
CST1	0.76	0
CST11	0.553	0

CST2	0.694	0
CST3	0.775	20.33
CST4	0.736	0
CST5	0.74	0
CST6	0.609	0
CST7	0.928	8.8
CST8	0.895	0
CST9	1.592	0
CST9L	0.902	0
CSTA	0.828	0.92
CSTB	0.658	229.28
CSTF1	2.656	10.82
CSTF2	2.017	5.89
CSTF2T	4.11	11.74
CSTF3	3.711	5.81
CSTL1	0.736	0
CSTP1	3.399	0
CSTP2	3.311	0
CT45-1	1.008	0
CT45-4	1.008	0
CT45-6	1.008	0
CT47.13	0.9	0
CT47.7	1.288	0
CT47.8	1.288	0
CTA-126B4.3	1.205	54.04
CTA-216E10.6	4.975	3.86
CTA-221G9.4	8.164	0.11
CTA-246H3.1	0.914	0.65
CTAG1A	0.748	0
CTAG1B	0.746	0
CTAG2	1.455	0
CTAGE1	4.315	0.04
CTAGE3	2.864	0
CTAGE5	5.523	1.98
CTAGE6	5.866	0.16
CTAGEP	2.473	0.14
CTB-1048E9.5	1.292	25.3
CTBP1	2.688	63.93
CTBP2	4.185	16.39
CTBS	1.618	4.53
CTCF	3.787	27.45
CTCFL	3.456	0
CTD-2090I13.4	0.309	16.36
CTDP1	4.606	10.97
CTDSP1	2.74	48.08
CTDSP2	5.02	53.11
CTDSPL	4.455	38.2
CTDSPL2	3.016	4.42
CTF1	1.664	5.27
CTF2P	18.229	0.3

CTF8	4.933	37.5
CTF8P	2.737	1.2
CTGF	2.286	122.78
CTGLF1	2.42	0
CTGLF10P	26.47	0.01
CTGLF11P	28.489	0
CTGLF2	7.113	0.07
CTGLF4	27.04	0
CTGLF5	149.506	0.03
CTGLF6	3.817	0.13
CTGLF7	55.553	0.01
CTGLF8P	2.631	0
CTGLF9P	12.324	0.02
CTH	1.805	0.28
CTHRC1	1.22	54.82
CTLA4	3.23	0.37
CTNNA1	3.761	39.02
CTNNA2	3.842	0
CTNNA3	3.02	0
CTNNAL1	2.445	5.1
CTNNAP1	3.42	3.57
CTNNB1	3.657	34.07
CTNNBIP1	2.995	16.48
CTNNBL1	1.888	24.89
CTNND1	6.232	16.62
CTNND2	5.436	0.02
CTNS	3.883	31.48
CTPS	2.756	44.41
CTPS2	4.151	3.04
CTR9	4.317	11.82
CTRB1	0.844	0
CTRB2	0.858	0
CTRC	0.899	0.09
CTRL	1.169	0.65
CTSA	1.814	43.28
CTSB	4.064	77.06
CTSC	7.619	25.94
CTSD	2.12	82.96
CTSE	3.312	0.2
CTSF	2.014	8.83
CTSG	0.924	14.5
CTSH	1.525	1.55
CTSK	1.702	0.35
CTSL1	1.821	0.6
CTSL2	1.496	0
CTSL2	16.299	0
CTSL3	3.168	0
CTSO	2.933	6.66
CTSS	4.1	19.07
CTSW	1.294	16.08

CTSZ	1.495	39.72
CTTN	4.662	0.67
CTTNBP2	11.94	0
CTTNBP2NL	4.27	2.15
CTXN1	1.238	0.14
CTXN3	0.246	0
CUBN	11.344	0.12
CUEDC1	3.418	13.23
CUEDC2	1.122	50.9
CUGBP1	5.806	13.17
CUGBP2	12.241	15.99
CUL1	6.418	12.06
CUL2	2.889	5.4
CUL3	6.788	9.94
CUL4A	3.988	12.48
CUL4B	3.408	4.84
CUL5	6.387	2.27
CUL7	5.471	7.71
CUTA	2.871	30.84
CUTC	1.318	8.24
CUTL1	15.472	7.21
CUTL2	6.841	1.84
CUZD1	2.897	0
CWF19L1	2.633	4.93
CWF19L2	2.92	3.2
CX3CL1	3.273	0.05
CX3CR1	3.108	4.15
CX40.1	1.58	0
CX62	1.632	0
CXADR	2.482	0
CXCL1	1.103	0.08
CXCL10	1.173	0
CXCL11	1.489	0
CXCL12	5.32	0.87
CXCL13	1.201	0
CXCL14	1.969	0.21
CXCL16	2.211	3.88
CXCL2	1.116	0
CXCL3	1.159	0
CXCL5	2.458	0.03
CXCL6	1.519	0
CXCL9	2.545	0.07
CXCR3	1.624	23.7
CXCR4	3.049	180.43
CXCR6	1.953	0.13
CXCR7	2.034	0.04
CXorf1	2.447	0
CXorf12	1.411	6.63
CXorf15	2.299	4.61
CXorf2	1.525	0

CXorf20	4.611	0
CXorf21	1.808	23.11
CXorf22	3.606	0
CXorf23	2.799	1.5
CXorf26	1.195	13.67
CXorf27	0.427	0
CXorf31	0.522	0.48
CXorf34	3.325	5.14
CXorf36	2.501	0
CXorf38	1.563	3.29
CXorf39	3.001	3.17
CXorf40A	1.366	8.26
CXorf40B	1.34	10.43
CXorf41	1.652	0
CXorf42	0.366	1.84
CXorf43	2.87	0
CXorf45	2.052	6.44
CXorf48	2.907	0
CXorf50	1.95	0.04
CXorf55	2.46	0
CXorf56	0.904	9.41
CXorf57	3.81	0.04
CXorf58	1.547	0
CXorf59	1.956	0
CXorf6	4.598	0.92
CXorf9	2.626	116.25
CXXC1	2.444	31.57
CXXC4	0.761	0
CXXC5	2.589	23.68
CXXC6	8.497	0.1
CXYorf11	2.303	0
CXYorf2	0.902	5.42
CXYorf3	3.21	22.31
CYB561	3.539	5.55
CYB561D1	3.512	3.07
CYB561D2	1.204	10.08
CYB5A	1.206	19.98
CYB5B	4.286	10.42
CYB5D1	3.497	4.6
CYB5D2	1.91	3.75
CYB5P3	0.398	5.92
CYB5P4	0.399	0.64
CYB5R1	1.643	13.69
CYB5R2	1.341	0
CYB5R3	2.209	100.52
CYB5R4	2.247	1.76
CYBA	0.688	330.94
CYBASC3	2.959	31.69
CYBB	4.268	21.69
CYBRD1	4.236	3.44

CYC1	1.171	56.4
CYCS	11.017	2.2
CYCSL1	0.633	0.27
CYCSP1	0.315	0
CYCSP10	0.308	0
CYCSP11	0.315	0
CYCSP12	0.304	0
CYCSP14	0.297	0
CYCSP16	0.171	0
CYCSP17	0.315	0
CYCSP18	0.472	0
CYCSP19	0.634	0
CYCSP2	0.313	0
CYCSP20	0.63	0
CYCSP22	0.313	0
CYCSP23	0.319	0
CYCSP24	0.316	0
CYCSP25	0.32	0
CYCSP26	0.325	0
CYCSP27	0.298	0
CYCSP28	0.326	0
CYCSP29	0.318	0
CYCSP3	0.318	10.33
CYCSP30	3.768	0
CYCSP32	0.318	0
CYCSP33	0.318	0
CYCSP34	0.313	1.88
CYCSP35	0.313	0
CYCSP38	0.274	0
CYCSP39	0.309	0
CYCSP4	0.277	0
CYCSP40	0.243	0
CYCSP41	0.193	0
CYCSP42	0.259	0.98
CYCSP43	0.312	0
CYCSP44	0.32	0
CYCSP45	0.318	6.89
CYCSP46	1.061	0.08
CYCSP48	0.277	0
CYCSP5	0.298	0
CYCSP51	0.318	5.03
CYCSP52	0.31	0
CYCSP53	0.28	0
CYCSP6	0.311	0
CYCSP7	0.304	0.28
CYCSP8	0.312	0
CYFIP1	5.266	33.75
CYFIP2	7.137	7.28
CYGB	1.951	64.55
CYHR1	1.19	15.5

CYLC1	2.268	0
CYLC2	2.101	0
CYLD	5.371	7.9
CYorf14	1.495	0.23
CYorf15A	1.97	9.83
CYorf15B	5.52	2.32
CYorf16	0.467	0
CYP11A1	1.816	0
CYP11B1	3.535	0
CYP11B2	2.936	0
CYP17A1	1.87	0
CYP19A1	3.098	0
CYP1A1	2.601	0
CYP1A2	3.127	0
CYP1B1	5.122	0.07
CYP20A1	2.687	1.73
CYP21A1P	4.043	0.02
CYP21A2	6.342	0.01
CYP24A1	3.274	0
CYP26A1	2.684	0.22
CYP26B1	4.528	0
CYP26C1	1.569	0.21
CYP27A1	2.059	0
CYP27B1	2.487	0.07
CYP2A13	1.747	0
CYP2A6	1.751	0.1
CYP2A7	2.471	0
CYP2A7P1	119.855	0
CYP2B6	3.052	0
CYP2B7P1	29.298	0.01
CYP2C18	1.995	0
CYP2C19	1.473	0
CYP2C8	1.852	0.09
CYP2C9	1.835	0
CYP2D6	1.659	0.87
CYP2D7P1	6.042	0.48
CYP2D8P1	5.322	0.11
CYP2E1	1.667	0.86
CYP2F1	1.826	0
CYP2F1P	8.097	0
CYP2G1P	8.934	0.01
CYP2G2P	11.993	0
CYP2J2	1.857	0
CYP2R1	1.619	1.35
CYP2S1	2.621	0.09
CYP2T2P	2.898	0.08
CYP2T3P	2.635	0
CYP2U1	4.752	0.48
CYP2W1	4.608	0.4
CYP39A1	2.272	0

CYP3A	0.1	0
CYP3A4	5.536	0
CYP3A43	5.95	0.57
CYP3A5	3.414	0.05
CYP3A5P1	30.198	0
CYP3A5P2	8.486	0.03
CYP3A7	4.16	0.04
CYP46A1	2.077	0
CYP4A11	2.813	0
CYP4A22	1.668	0
CYP4B1	2.147	0
CYP4F11	3.044	0
CYP4F12	1.693	0.05
CYP4F2	2.36	0
CYP4F3	5.052	0.03
CYP4F3LP	0.998	0.34
CYP4F8	1.846	0
CYP4V2	4.699	4.27
CYP4X1	2.357	0
CYP4Z1	1.907	0
CYP4Z2P	44.85	0
CYP51A1	6.75	1.51
CYP51P1	1.939	0.78
CYP51P2	0.134	0
CYP7A1	2.875	0.03
CYP7B1	2.232	0
CYP8B1	3.95	0.04
CYR61	2.019	0
CYS1	0.779	0
CYSLTR1	1.985	13.92
CYSLTR2	2.548	0.33
CYTB	1.135	0
CYTL1	1.001	51.5
CYYR1	3.079	0.08
D15Wsu75e	1.524	8.96
D21S2056E	2.985	11.82
D2HGDH	2.893	6.81
D4S234E	5.135	0
D4ST1	2.142	15.1
D6S2723E	1.035	0
DAAM1	4.639	5.06
DAAM2	6.215	1.62
DAB1	2.58	0
DAB2	3.546	10.1
DAB2IP	5.906	2.88
DACH1	5.239	0.02
DACH2	2.232	0
DACT1	3.76	0.4
DACT2	2.942	0
DACT3	2.526	0.83

DAD1	0.683	85.47
DAG1	5.492	2.56
DAGLA	5.752	0.89
DAGLB	6.022	22.56
DAK	4.241	6.77
DALRD3	2.684	15
DAND5	1.732	0.09
DAO	1.573	0.05
DAOA	0.742	0
DAP	2.23	46.01
DAP3	2.028	41.87
DAPK1	5.938	0.84
DAPK2	2.628	0.35
DAPK3	2.105	14.96
DAPP1	2.955	0.77
DARC	1.301	0.45
DARS	2.322	20.9
DARS2	3.187	4.78
DAXX	7.41	0
DAZ1	3.836	0
DAZ2	5.875	0
DAZ3	3.391	0
DAZ4	4.031	0
DAZAP1	3.222	43.11
DAZAP2	1.898	129.02
DAZL	3.05	0
DBC1	3.158	0
DBF4	7.814	0.66
DBF4B	4.989	0.98
DBH	2.76	0.03
DBI	0.7	60.65
DBIL1	0.47	0
DBIL2	0.547	17.25
DBN1	3.615	51.08
DBNDD1	2.075	12.59
DBNDD2	4.302	6.13
DBNL	4.354	27.46
DBP	1.467	6.89
DBR1	2.65	2.83
DBT	3.538	0.76
DBX1	1.149	0
DBX2	2.722	0
DC2	1.08	48.36
DCAKD	2.03	21.54
DCAL1	0.635	2.52
DCAMKL1	5.703	0.02
DCAMKL2	3.657	0.03
DCAMKL3	5.747	0
DCBLD1	2.529	2.93
DCBLD2	6.093	0.2

DCC	4.609	0
DCC1	2.213	1.37
DCD	0.517	0
DCDC1	1.706	0
DCDC2	4.604	0
DCDC2B	1.05	0.16
DCDC5	4.741	0
DCHS1	10.756	4.32
DCHS2	11.84	0
DCI	1.029	23
DCK	2.462	18.75
DCLRE1A	4.216	0.62
DCLRE1B	3.651	2.56
DCLRE1C	4.418	3.45
DCN	3.504	0.34
DCP1A	2.054	5.01
DCP1B	2.092	6.6
DCP2	8.947	3.98
DCPS	1.479	8.32
DCST1	2.279	0.22
DCST2	2.485	0.07
DCT	2.291	0.03
DCTD	2.324	24.32
DCTN1	5.011	41.23
DCTN2	1.731	45.26
DCTN3	1.305	19.37
DCTN4	3.806	32.58
DCTN5	3.323	12.93
DCTN6	1.031	8.41
DCUN1D1	3.152	2.73
DCUN1D2	5.471	1.99
DCUN1D3	2.967	0.68
DCUN1D4	4.265	1.3
DCUN1D5	1.249	11.8
DCX	10.08	0
DCXR	1.134	29.64
DDAH1	3.92	0
DDAH2	3.993	0.02
DDB1	4.217	51
DDB2	1.822	17.52
DDC	4.159	1.46
DDEF1	6.042	10.15
DDEF1IT1	1.179	0
DDEF2	5.711	3.99
DDEFL1	4.05	1.19
DDHD1	3.548	2.37
DDHD2	3.31	3.23
DDI1	2.589	0
DDI2	1.759	1.78
DDIT3	0.911	8.41

DDIT4	1.752	227.13
DDIT4L	2.592	0
DDN	3.744	0.09
DDO	1.709	3.45
DDOST	2.023	100.1
DDPP	0.295	2.85
DDR1	12.999	0.27
DDR2	3.252	0
DDT	0.666	59.95
DDX1	2.706	21.54
DDX10	3.193	8.39
DDX11	4.048	11.87
DDX12	4.417	1.74
DDX17	7.237	70.64
DDX18	3.765	10.77
DDX18P1	2.373	0.63
DDX19A	2.903	11.09
DDX19B	2.094	7.04
DDX20	3.446	2.96
DDX21	4.252	21.53
DDX23	3.267	30.14
DDX24	2.948	39.46
DDX25	1.691	0
DDX26B	3.793	3.04
DDX27	2.643	25.53
DDX28	2.786	5.44
DDX31	3.786	3.71
DDX39	2.354	29.74
DDX3X	5.399	31.3
DDX3Y	4.41	11.9
DDX4	2.428	0
DDX41	2.104	40.64
DDX42	3.993	35.32
DDX43	2.291	0.03
DDX46	5.679	11.7
DDX47	1.817	21.41
DDX49	1.82	32.9
DDX5	3.656	194.28
DDX50	2.538	12.38
DDX51	2.802	6.61
DDX52	4.137	3.24
DDX53	2.12	0
DDX54	4.378	29.21
DDX55	2.622	7.1
DDX56	4.969	10.34
DDX58	4.756	0.76
DDX59	3.525	5.5
DDX6	5.378	22.92
DEADC1	3.548	2.18
DEAF1	2.716	52.98

DEC1	1.251	0
DECR1	1.251	20.2
DECR2	1.583	5.53
DEDD	2.438	13.3
DEDD2	1.887	24.37
DEF6	2.296	28.88
DEFA1	0.486	15.08
DEFA3	0.487	8.3
DEFA4	0.542	24.86
DEFA5	0.449	0
DEFA6	0.465	0
DEFA8P	4.58	0.08
DEFB1	0.463	0
DEFB103A	0.518	0
DEFB104A	0.281	0
DEFB104B	0.281	0
DEFB105A	0.237	0
DEFB105B	0.237	0
DEFB106A	0.303	0
DEFB106B	0.303	0
DEFB107A	0.389	0
DEFB107B	0.389	0
DEFB108B	0.222	0
DEFB108P1	2.993	0
DEFB109	0.264	0
DEFB110	0.189	0
DEFB111	0.384	0
DEFB112	0.342	0
DEFB113	0.249	0
DEFB114	0.21	0
DEFB115	0.267	0
DEFB116	0.309	0
DEFB118	0.589	0
DEFB119	1.036	0
DEFB121	0.282	0
DEFB122	14.448	0.01
DEFB123	0.378	0
DEFB124	0.216	0
DEFB125	0.709	0
DEFB126	0.413	0
DEFB127	0.439	0
DEFB128	0.282	0
DEFB129	0.672	0
DEFB130	0.24	0
DEFB131	0.213	0
DEFB134	0.201	0
DEFB136	0.198	0
DEFB137	0.221	0
DEFB4	0.336	0
DEGS1	2.632	8.54

DEGS2	1.349	1.12
DEK	2.831	19.28
deltaNEMO	8.886	1.9
DENND1A	5.363	4.15
DENND1B	2.197	0.27
DENND1C	2.795	1.23
DENND2A	7.47	0.01
DENND2C	4.685	0.14
DENND2D	2.042	12.25
DENND3	6.933	48.82
DENND4A	6.585	2.49
DENND4B	5.923	23.17
DENND4C	5.363	3.02
DENR	3.061	18.19
DEPDC1	3.286	1.2
DEPDC1B	2.467	1.3
DEPDC2	5.414	0
DEPDC4	1.155	0.14
DEPDC5	5.952	1.5
DEPDC6	2.167	0.7
DEPDC7	1.994	0
DERA	1.528	11.52
DERL1	3.034	16.8
DERL2	1.127	15.77
DERL3	5.753	2.98
DES	2.248	0
DET1	2.315	2.66
DEXI	1.827	24.76
DFFA	5.807	8.27
DFFB	5.528	1.4
DFNA5	4.436	42.21
DFNB31	4.022	0.17
DGAT1	1.969	26.27
DGAT2	2.42	0.48
DGAT2L3	0.987	0
DGAT2L4	2.124	0
DGAT2L6	1.708	0
DGAT2L7	1.5	0
DGCR14	1.697	9.83
DGCR2	4.418	14.81
DGCR5	5.427	0
DGCR6	1.171	3.88
DGCR6L	1.159	40.49
DGCR8	4.441	8.71
DGKA	3.151	21.14
DGKB	9.706	0
DGKD	6.508	11.42
DGKE	2.562	0.79
DGKG	3.76	0.07
DGKH	4.902	0.47

DGKI	9.56	0
DGKK	3.917	0
DGKQ	4.636	5.85
DGKZ	4.111	19.04
DGUOK	1.144	22.97
DHCR24	4.27	0.02
DHCR7	2.584	5.77
DHDDS	3.538	6.52
DHDH	1.084	0.08
DHFR	3.917	11.74
DHFRL1	3.756	1.19
DHFRP1	0.967	0
DHH	1.936	0
DHODH	3.132	3.84
DHPS	1.476	27.85
DHRS1	1.47	7.22
DHRS12	2.989	3.58
DHRS13	1.908	9.41
DHRS2	2.311	0
DHRS3	2.269	52.83
DHRS4	1.278	20.3
DHRS4L2	1.269	10.75
DHRS7	1.282	10.25
DHRS7B	1.375	3.86
DHRS7C	0.978	0
DHRS9	3.362	1.13
DHRSX	2.537	5.51
DHTKD1	5.159	6.3
DHX15	3.199	27.18
DHX16	10.131	0.1
DHX29	4.473	3.77
DHX30	4.675	22.21
DHX32	3.07	2.52
DHX33	4.076	4.07
DHX34	5.17	5.04
DHX35	3.301	2.45
DHX36	3.601	4.56
DHX37	4.549	9.94
DHX38	4.454	16.72
DHX40	3.656	9.33
DHX40P	39.226	0.03
DHX57	4.83	3.1
DHX8	4.2	14.38
DHX9	4.198	47.05
DHX9P	4.164	6.82
DIABLO	1.669	22.1
DIAPH1	5.602	55.04
DIAPH2	9.477	0.82
DIAPH3	2.691	0.54
DICER1	10.413	1.92

DIDO1	13.643	6.19
DIMT1L	1.809	13.18
DIO1	3.161	0.08
DIO2	7.233	0
DIO3	2.1	0.08
DIO3OS	3.454	0
DIP	4.316	10.64
DIP2A	6.995	2.46
DIP2B	8.715	5.5
DIP2C	7.106	4.99
DIRAS1	3.377	7.53
DIRAS2	4.107	0.02
DIRAS3	1.631	0.1
DIRC1	1.454	0
DIRC2	2.106	0.84
DIS3	7.306	3.47
DIS3L	3.658	7.44
DIS3L2	3.107	7.35
DISC1	8.98	1.55
DISC2	3.892	0.03
DISP1	4.743	0.88
DISP2	5.032	0.5
DIXDC1	6.106	0.05
dJ222E13.2	11.1	0.84
dJ341D10.1	2.11	0.04
dJ507I15.1	0.773	2.84
dJ612B15.1	11.417	0.1
DKC1	2.454	33.81
DKFZp313A2432	5.235	2.64
DKFZP434A0131	3.886	0.5
DKFZP434B0335	9.957	4.5
DKFZP434B061	0.997	0
DKFZp434B1231	3.926	0
DKFZp434E1119	0.761	0.33
DKFZP434I0714	3.505	1.49
DKFZp434K1815	4.396	4.35
DKFZp434K191	4.835	0
DKFZp434N035	1.958	0.04
DKFZP434O047	0.67	0
DKFZP434P211	2.459	0
DKFZp451A211	6.338	3.29
DKFZp547H025	1.844	0
DKFZP547L112	1.236	0
DKFZP564C196	2.242	0.42
DKFZP564J0863	2.623	5.74
DKFZP564J102	2.244	0.03
DKFZp564N2472	2.54	0
DKFZP564O0523	3.434	1.57
DKFZP564O0823	5.039	0.02
DKFZP586H2123	2.787	0

DKFZp586I1420	5.52	3.1
DKFZP586P0123	6.036	1.74
DKFZp666G057	3.131	0.03
DKFZp667G2110	4.785	3.01
DKFZp667M2411	1.873	5.03
DKFZP686A01247	5.114	0
DKFZp686A1627	76.726	0
DKFZP686C2281	3.93	0.03
DKFZp686D0972	2.793	0.03
DKFZP686E2158	0.602	16.65
DKFZp686I15217	2.469	0.68
DKFZp686J0529	2.236	0
DKFZp686K16132	2.861	4.24
DKFZP686M0199	2.735	0
DKFZp686O24166	6.382	0.03
DKFZp761B107	5.585	0.03
DKFZp761E198	4.17	1.98
DKFZp761P0423	4.881	12.53
DKFZp762E1312	3.05	6.27
DKFZp779B1540	3.732	0
DKFZp779B1634	2.754	0
DKFZP779L1853	3.708	0
DKFZp779O175	1.692	0.15
DKFZP781G0119	5.13	0.02
DKFZp781N1041	1.407	0
DKK1	1.805	1.16
DKK2	3.637	0
DKK3	3.016	0
DKK4	0.818	0
DKKL1	1.031	0
DKKL2	0.698	0
DLAT	3.3	6.53
DLC1	8.019	0.05
DLD	7.158	4.53
DLEC1	6.063	0
DLEU1	0.874	5.88
DLEU2	2.768	0.85
DLEU2L	1.657	0.25
DLEU7	2.092	0
DLG1	3.043	4.16
DLG2	7.724	0
DLG3	3.101	0.93
DLG4	3.984	12.77
DLG5	7.101	2.1
DLG7	2.979	5.43
DLGAP1	3.417	0
DLGAP2	10.095	0
DLGAP3	3.587	0.31
DLGAP4	5.829	9.94
DLK1	2.48	0

DLL1	3.077	1.32
DLL3	2.644	10.22
DLL4	3.383	1.32
DLST	2.813	32.25
DLSTP	3.01	7.72
DLX1	4.055	0.23
DLX2	2.304	0.03
DLX3	2.602	0
DLX4	2.16	0.08
DLX5	2.848	0.03
DLX6	3.582	0
DMAP1	1.891	27.84
DMBT1	7.686	0
DMBX1	3.229	0
DMC1	2.269	0.41
DMD	19.358	0
DMGDH	3.083	0
DMKN	2.014	0
DMN	10.098	0.35
DMP1	2.676	0
DMPK	2.742	2.55
DMRT1	2.222	0
DMRT2	3.796	0
DMRT3	2.184	0
DMRTA1	2.302	0
DMRTA2	2.744	0
DMRTB1	1.907	0
DMRTC1	1.044	0
DMRTC2	1.821	0
DMTF1	7.968	4.42
DMWD	3.308	5.6
DMXL1	11.072	1.45
DMXL2	9.61	0.88
DNA2L	4.416	0.93
DNAH1	13.115	1.14
DNAH10	3.422	0
DNAH11	28.381	0.16
DNAH17	4.791	0.39
DNAH2	13.505	0
DNAH3	12.524	0.31
DNAH5	13.971	0
DNAH7	12.388	0
DNAH8	13.86	0
DNAH9	14.381	0
DNAHL1	1.846	0
DNAI1	2.521	0
DNAI2	2.253	0
DNAJA1	2.218	35.78
DNAJA2	1.937	14.13
DNAJA3	2.687	14.89

DNAJA4	3.175	9.34
DNAJA5	6.208	4.27
DNAJB1	2.233	37.65
DNAJB11	1.774	34.9
DNAJB12	6.14	7.5
DNAJB13	1.875	0.67
DNAJB14	5.638	1.27
DNAJB2	4.243	7.68
DNAJB4	2.431	3.32
DNAJB5	2.442	1.21
DNAJB6	6.78	15.83
DNAJB7	2.578	0.23
DNAJB8	2.468	0
DNAJB9	4.742	0.54
DNAJC1	1.881	4.84
DNAJC10	4.193	7.74
DNAJC11	3.197	10.72
DNAJC12	1.668	0.15
DNAJC13	7.595	4.42
DNAJC14	3.246	22.34
DNAJC15	2.776	7.92
DNAJC16	6.024	1.82
DNAJC17	0.993	7.72
DNAJC18	3.539	1.48
DNAJC19	2.796	2.81
DNAJC3	2.076	6.58
DNAJC4	2.14	25.62
DNAJC5	5.106	25.59
DNAJC5B	1.38	0
DNAJC5G	2.006	0
DNAJC6	5.75	0.04
DNAJC7	1.752	33.17
DNAJC8	1.479	63.51
DNAJC8P1	1.577	10.04
DNAJC9	1.437	22.16
DNAL1	1.166	0.58
DNAL4	1.487	13.37
DNALI1	2.649	0
DNAPTP6	2.336	177.6
DNASE1	3.098	2.67
DNASE1L1	3.69	5.89
DNASE1L2	1.326	0.89
DNASE1L3	1.463	0.64
DNASE2	2.01	4.19
DNASE2B	1.625	0
DND1	1.603	3.73
DNER	3.257	0
DNHD1	3.378	1.17
DNHD2	2.382	0
DNM1	3.848	2.74

DNM1L	3.695	7.07
DNM2	3.772	63.71
DNM3	7.627	0
DNMBP	5.065	3.48
DNMT1	5.408	20.22
DNMT3A	6.077	10.23
DNMT3AP1	2.748	0.06
DNMT3B	4.778	2.84
DNMT3L	1.871	0.18
DNPEP	1.672	24.24
DNTT	2.121	538.74
DNTTIP1	1.29	20.63
DNTTIP2	2.38	19.36
DOC2A	2.066	3.95
DOC2B	2.026	0
DOCK1	6.642	0.01
DOCK10	4.274	5.89
DOCK11	6.626	7.33
DOCK2	6.05	17.04
DOCK3	8.706	0.06
DOCK4	16.672	0.03
DOCK5	7.555	0.03
DOCK6	6.356	0.12
DOCK7	7.052	2.72
DOCK8	7.233	25.48
DOCK9	7.523	1.55
DOHH	1.74	8.67
DOK1	1.89	17.16
DOK2	1.77	1.28
DOK3	2.011	30.41
DOK4	2.689	33.74
DOK5	1.833	0
DOK6	1.96	0
DOK7	2.549	0
DOLK	2.204	2.56
DOLPP1	2.153	7.08
DOM3Z	4.77	0
DONSON	2.17	2.33
DOPEY1	7.899	1.16
DOPEY2	7.679	0.64
DOT1L	7.332	15.84
DP58	3.728	0
DPAGT1	2.937	16.89
DPCR1	5.905	0
DPEP1	1.734	70.88
DPEP2	1.697	1.29
DPEP3	1.652	0
DPF1	1.424	0
DPF2	2.409	37.98
DPF3	4.119	0.02

DPH1-OVCA2	3.228	22.68
DPH2	2.497	13.9
DPH3	0.532	5.86
DPH4	3	1.34
DPH5	1.3	18.08
DPM1	1.047	10.05
DPM2	0.91	40.92
DPM3	0.831	19.97
DPP10	4.581	0
DPP3	2.692	18.5
DPP4	3.9	2.18
DPP6	9	0
DPP7	1.617	99.45
DPP8	4.568	2.06
DPP9	4.258	10.98
DPPA2	1.379	0
DPPA3	1.04	0
DPPA4	2.579	0.03
DPPA5	0.612	0.14
DPRX	0.648	0
DPRXP1	0.614	0
DPRXP2	1.003	0.08
DPRXP3	0.639	0
DPRXP4	0.67	0.13
DPRXP5	0.895	0
DPRXP6	0.659	0
DPRXP7	0.654	0
DPT	1.703	0.05
DPY19L1	9.73	1.45
DPY19L2	4.057	0
DPY19L2P1	43.61	0.01
DPY19L2P3	10.642	0
DPY19L3	4.456	1.02
DPY19L4	4.179	1.66
DPYD	4.409	2.35
DPYS	2.122	0
DPYSL2	4.54	50.75
DPYSL3	5.05	0.05
DPYSL4	2.715	0.03
DPYSL5	3.061	0
DQX1	2.54	0.03
DR1	3.209	13.1
DRAM	2.837	2.94
DRAP1	0.988	63.69
DRB1	1.785	4.2
DRD1	3.373	0.15
DRD1IP	0.914	0
DRD2	2.579	0
DRD3	1.824	0
DRD4	1.36	0.19

DRD5	2.031	0.04
DRD5P1	2.05	0
DRD5P2	2.049	0
DRG1	1.45	27.02
DRG2	1.888	20.97
DRP2	3.498	0.05
DSC1	5.747	0
DSC2	7.343	0
DSC3	9.215	0.01
DSCAM	8.388	0
DSCAML1	6.899	0
DSCR1	3.075	16.79
DSCR10	0.86	0
DSCR1L1	3.186	0
DSCR1L2	1.7	0.54
DSCR2	1.128	12.02
DSCR3	3.251	8.04
DSCR4	1.098	0
DSCR6	2.235	0.37
DSCR8	1.287	0.07
DSCR9	1.644	0
DSE	3.96	4.21
DSEL	9.281	0.03
DSG1	4.512	0
DSG2	3.518	0
DSG3	3.336	0
DSG4	3.579	0
DSN1	2.095	4.38
DSP	10.228	0.02
DSPP	4.331	0
DSS1P1	0.477	11.83
DST	30.184	0.02
DSTN	2.536	10.96
DTD1	1.344	0.19
DTL	4.199	2.85
DTNA	8.632	0
DTNB	2.474	2.59
DTNBP1	3.506	14.32
DTWD1	1.222	4.62
DTWD2	2.307	0.15
DTX1	3.288	8.79
DTX2	5.538	2.56
DTX3	2.029	4.69
DTX3L	5.15	11.89
DTX4	8.446	0.34
DTYMK	1.053	22.16
DUB3	1.593	0
DUB4	1.197	0
DULLARD	1.528	93.77
DUOX1	5.677	0.08

DUOX2	6.346	0
DUOXA1	1.88	0
DUOXA2	1.725	0
DUPD1	0.663	0
DUS1L	2.197	39.65
DUS2L	1.926	3.41
DUS3L	2.056	8.68
DUS4L	4.5	0.47
DUSP1	2.016	78.1
DUSP10	3.609	0.87
DUSP11	1.575	10
DUSP12	1.249	6.74
DUSP13	3.403	0
DUSP14	1.455	12.1
DUSP15	1.905	3.05
DUSP16	3.566	3.64
DUSP18	2.453	1.03
DUSP19	5.179	0.54
DUSP2	1.682	7.51
DUSP21	0.885	0.09
DUSP22	1.851	7.23
DUSP23	0.685	27.3
DUSP26	1.649	8.33
DUSP27	4.034	1.63
DUSP28	1.555	3.2
DUSP3	4.1	11.42
DUSP4	5.15	0.28
DUSP5	2.528	0.2
DUSP5P	9.975	0.2
DUSP6	2.82	126.18
DUSP7	2.468	35.12
DUSP8	2.371	0.1
DUSP9	2.285	0.03
DUT	2.802	19
DUX1	1.229	0
DUX4	2.571	0
DUX4C	1.125	0
DUXA	3.346	0
DUXAP1	0.535	0
DUXAP10	3.087	0.14
DUXAP2	1.009	0
DUXAP3	3.458	0
DUXAP4	1.613	0.31
DUXAP5	1.318	0
DUXAP6	1.06	0
DUXAP7	1.33	0
DUXAP8	3.087	0.13
DUXAP9	3.086	0.24
DVL1	3.462	10.15
DVL2	3.016	20.05

DVL3	5.062	18.97
DYDC1	0.75	0.22
DYDC2	1.842	0.14
DYM	2.628	11.86
DYNC1H1	14.224	11.8
DYNC1I1	5.9	0.03
DYNC1I2	2.602	17.22
DYNC1LI1	2.477	11.57
DYNC1LI2	4.336	4.45
DYNC2H1	14.067	0.59
DYNC2LI1	2.52	1.04
DYNLL1	0.99	114.53
DYNLL2	2.462	58.71
DYNLRB1	0.685	123.59
DYNLRB2	0.497	0
DYNLT1	0.692	20.33
DYNLT3	2.158	4.45
DYRK1A	13.69	4.24
DYRK1B	2.767	9.31
DYRK2	6.216	8.68
DYRK3	2.506	6.59
DYRK4	1.845	7.12
DYSF	6.883	0.93
DYSFIP1	0.586	0
DYTN	31.844	0
DYX1C1	2.844	0.06
DZIP1	7.47	0.01
DZIP1L	3.493	0.12
DZIP3	5.295	1.5
E2F1	2.486	14.37
E2F2	5.192	10.71
E2F3	4.745	4.72
E2F4	2.1	39.15
E2F5	1.728	0.05
E2F6	2.396	0.99
E2F7	5.726	0.6
E2F8	3.721	1.7
E4F1	2.573	14.11
EAF1	4.69	10.53
EAF2	1.02	5.78
EARS2	3.841	4.47
EBAG9	1.862	7.87
EBF1	4.088	31.76
EBF2	2.28	0
EBF3	4.361	0.21
EBI2	1.73	0.78
EBI3	1.138	0
EBNA1BP2	1.322	25.94
EBP	1.064	32.38
EBPL	0.914	21.84

ECAT1	1.018	0
ECAT8	3.931	0
ECD	2.2	9.69
ECE1	2.409	0.84
ECE2	3.497	0.08
ECEL1	2.858	39.85
ECEL1P2	1.295	0
ECEL1P3	0.238	0
ECGF1	1.6	1.37
ECH1	1.263	103.51
ECHDC1	2.257	9.55
ECHDC2	1.126	8.46
ECHDC3	1.627	2.9
ECHS1	1.326	48.91
ECM1	2.047	717.13
ECM2	3.163	2.23
ECOP	5.78	4.4
ECSIT	1.628	19.2
ECSM2	0.246	0
ECT2	3.916	1.08
EDA	8.202	0.09
EDA2R	3.372	2.69
EDAR	4.212	0
EDARADD	3.017	19.37
EDC3	3.739	14.37
EDC4	4.727	19.05
EDD1	9.394	7.17
EDEM1	6.071	72.27
EDEM2	1.885	20.83
EDEM3	6.283	1.9
EDF1	0.859	277.51
EDG1	2.898	0.35
EDG2	3.168	0
EDG3	4.206	0.08
EDG4	1.823	5.22
EDG5	1.154	0.73
EDG6	1.565	128.21
EDG7	1.137	0
EDG8	2.122	0.24
EDIL3	2.974	0
EDN1	1.328	0
EDN2	1.196	0
EDN3	5.807	0
EDNRA	4.093	0.04
EDNRB	4.658	0
EEA1	4.866	0.99
EED	2.819	4.57
EEF1A1	3.512	687.08
EEF1A2	1.843	0.04
EEF1AL11	1.748	6.27

EEF1B1	0.795	4.34
EEF1B2	1.289	385.57
EEF1B3	0.861	5.87
EEF1D	2.329	244.46
EEF1E1	1.036	6.75
EEF1G	3.096	49.44
EEF2	3.158	1668.18
EEF2K	7.412	5.69
EEFSEC	2.216	9.2
EFCAB1	2.051	0
EFCAB2	0.994	0.51
EFCAB3	1.542	0.05
EFCAB4A	1.752	1.49
EFCAB4B	2.186	2.28
EFCAB5	6.163	0.05
EFCBP1	5.224	0.03
EFCBP2	1.606	0.05
EFEMP1	3.046	0.25
EFEMP2	1.939	8.68
EFHA1	1.876	7.59
EFHA2	3.985	0
EFHB	2.823	0
EFHC1	2.099	4.05
EFHC2	2.464	0
EFHD1	1.868	0.49
EFHD2	2.365	75.12
EFNA1	1.566	29.64
EFNA2	0.642	0
EFNA3	1.782	3.83
EFNA4	1.967	3.59
EFNA5	1.574	0.05
EFNB1	3.336	19.34
EFNB2	4.322	7.64
EFNB3	3.219	0.81
EFS	3.118	0
EFTUD1	3.562	4.21
EFTUD2	3.313	29.14
EGF	4.874	0
EGFL11	2.23	0
EGFL6	2.382	0
EGFL7	2.089	75
EGFL8	3.807	0.22
EGFL9	1.61	0.15
EGFLAM	8.135	0.01
EGFR	13.29	0
EGLN1	5.929	8.55
EGLN2	7.135	8.8
EGLN3	2.724	0.06
EGR1	3.136	10.61
EGR2	2.979	0.06

EGR3	4.334	0.23
EGR4	2.149	0
EHBP1	5.032	2.83
EHBP1L1	5.185	20.47
EHD1	3.457	12.01
EHD2	3.495	0.43
EHD3	3.769	16.9
EHD4	3.192	20.22
EHF	3.617	0
EHHADH	3.801	1.31
EHMT1	5.052	18.44
EHMT2	11.904	0
EI24	3.421	15.71
EID1	2.091	54.5
EID2	1.393	5.98
EID2B	1.865	1.85
EID3	1.435	1.76
EIF1	1.468	319.15
EIF1AP1	1.673	15.81
EIF1AX	4.431	6.52
EIF1AY	1.39	24.18
EIF1B	1.012	27.97
EIF2A	3.879	23.06
EIF2AK1	5.594	29.03
EIF2AK2	2.808	3.96
EIF2AK3	4.511	3.08
EIF2AK4	5.512	10.79
EIF2B1	1.794	32.5
EIF2B2	1.539	13.41
EIF2B3	1.659	14.37
EIF2B4	2.144	11.32
EIF2B5	2.898	15.06
EIF2C1	7.478	5.08
EIF2C2	3.499	2.48
EIF2C3	3.966	1.36
EIF2C4	5.239	4.72
EIF2S1	4.165	10.44
EIF2S2	2.592	17.32
EIF2S2P	1.545	1.91
EIF2S2P2	1.375	0.18
EIF2S3	3.465	62.82
EIF3S1	2.558	16.5
EIF3S10	5.305	48.19
EIF3S12	0.879	288.54
EIF3S2	1.458	79.91
EIF3S3	1.275	244.12
EIF3S4	1.127	250.98
EIF3S5	1.256	383.89
EIF3S5P	1.04	5.1
EIF3S6	1.508	209.42

EIF3S6IP	1.949	341.79
EIF3S6IPP	1.834	19.33
EIF3S6IPP2	0.984	59.92
EIF3S6P1	1.468	48.09
EIF3S7	1.949	199.64
EIF3S8	3.154	99.14
EIF3S9	7.102	26.5
EIF4A1	1.843	140.27
EIF4A1P	0.941	0
EIF4A2	2.598	134.46
EIF4A3	1.686	34.47
EIF4B	3.867	66.11
EIF4BP	0.344	0
EIF4E	2.474	6.88
EIF4E1B	0.654	0
EIF4E2	1.976	22.55
EIF4E2P1	0.591	0
EIF4E3	2.764	0.15
EIF4EBP1	0.844	45.41
EIF4EBP1P	0.808	0.21
EIF4EBP2	4.291	24.26
EIF4EBP3	0.691	12.68
EIF4ENIF1	3.521	9.07
EIF4EP1	0.639	0.93
EIF4G1	6.388	40.84
EIF4G2	3.792	123.93
EIF4G3	5.793	19.34
EIF4H	5.092	67.05
EIF5	6.078	16.04
EIF5A	1.234	127.18
EIF5A2	5.537	0.02
EIF5AP1	0.543	3.26
EIF5AP2	0.559	0.3
EIF5AP3	0.558	0.45
EIF5B	4.698	22.89
ELA1	0.952	0
ELA2	0.924	19.05
ELA2A	0.916	0
ELA2B	0.923	0
ELA3A	1.469	5.39
ELA3B	1.003	0
ELAC1	2.233	3.62
ELAC2	3.368	16.68
ELAVL1	6.058	15.47
ELAVL2	2.177	0
ELAVL3	5.013	0
ELAVL4	1.578	0
ELF1	3.485	22.58
ELF2	3.753	4.33
ELF3	4.99	0.02

ELF4	4.166	11.4
ELF5	2.683	0
ELK1	2.828	11.47
ELK2P1	3.717	0.05
ELK2P2	6.869	0.06
ELK3	3.972	56.49
ELK4	4.86	2.86
ELL	4.008	4.18
ELL2	3.752	3.14
ELL3	2.113	2.07
ELMO1	8.379	4.06
ELMO2	3.704	14.97
ELMO3	2.512	1.38
ELMOD1	2.734	0
ELMOD2	1.495	2.7
ELN	4.548	0.05
ELOF1	1.019	35.55
ELOVL1	1.483	62.77
ELOVL2	4.027	11.06
ELOVL3	1.313	0
ELOVL4	2.967	0
ELOVL5	2.965	13.89
ELOVL6	3.029	0.28
ELOVL7	3.815	0
ELP3	3.074	8.61
ELP4	1.567	5.06
ELSPBP1	1.031	0
ELTD1	2.55	0.07
EMB	2.055	7.38
EMCN	1.483	0
EMD	1.343	32.93
EME1	2.304	1.68
EME2	1.335	1.33
EMG1	0.996	31.37
EMID1	2.06	17.95
EMID2	3.454	2.91
EMILIN1	3.431	18.27
EMILIN2	4.009	5
EMILIN3	3.827	0.08
EML1	4.522	0.08
EML2	2.248	11.58
EML3	3.167	15.21
EML4	5.523	3.78
EML5	7.081	0.12
EMP1	2.749	37.51
EMP2	3.03	14.7
EMP3	0.816	43.15
EMR1	3.123	0.05
EMR2	6.962	4.21
EMR3	2.951	0.03

EMR4	2.052	0
EMX1	3.12	0
EMX2	2.892	0.03
EMX2OS	7.28	0
EN1	2.943	0
EN2	9.562	0
ENAH	13.172	3.25
ENAM	5.674	0.31
ENC1	4.785	0.81
ENDOD1	4.693	10.48
ENDOG	2.059	10.96
ENDOGL1	1.459	1.56
ENG	3.13	184.84
ENO1	1.812	605.74
ENO1P	1.825	53.45
ENO2	2.423	3.54
ENO3	1.558	4.22
ENOPH1	1.973	14.13
ENOSF1	1.778	8.63
ENPEP	3.829	0
ENPP1	3.493	0
ENPP2	3.276	14.27
ENPP3	2.787	0
ENPP4	4.311	0.02
ENPP5	2.943	0
ENPP6	3.841	0
ENPP7	1.842	0
ENSA	4.438	29.57
ENSAP	0.341	0
ENSAP2	0.474	25.77
ENTHD1	2.71	0
ENTPD1	2.457	5.59
ENTPD2	2.166	0.08
ENTPD3	2.776	0
ENTPD4	2.672	5.99
ENTPD5	1.992	1.31
ENTPD6	2.729	12.31
ENTPD7	3.017	0.06
ENTPD8	2.111	0
ENY2	0.569	39.08
EOMES	2.754	0.15
EP300	8.765	12.53
EP400	12.265	8.47
EP400NL	2.741	0.8
EPAS1	5.138	8.68
EPB41	7.515	4.76
EPB41L1	6.496	0.45
EPB41L2	4.291	10.78
EPB41L3	4.446	0.15
EPB41L4A	4.707	1.72

EPB41L4B	7.651	0.05
EPB41L5	6.54	0.13
EPB42	2.696	2.72
EPB49	2.725	2.87
EPC1	3.259	12.41
EPC2	3.633	5.06
EPDR1	5.198	1.34
EPF5	0.421	0
EPGN	0.847	0
EPHA1	6.726	0.03
EPHA10	4.278	0
EPHA2	3.946	5.93
EPHA3	6.924	0.01
EPHA4	6.348	6.13
EPHA5	3.349	0
EPHA6	3.949	0
EPHA7	5.215	0
EPHA8	5.747	0
EPHB1	4.516	0
EPHB2	6.573	0.02
EPHB3	4.22	4.35
EPHB4	8.702	5.96
EPHB6	8.086	0.8
EPHX1	2.426	15.13
EPHX2	2.196	0
EPM2A	4.092	1.44
EPM2AIP1	5.567	4.03
EPN1	2.461	52.06
EPN2	4.814	0.02
EPN3	2.93	0.03
EPO	2.66	0
EPOR	1.848	1.05
EPPB9	0.915	0.55
EPPK1	7.216	0
EPR1	1.286	11.92
EPRS	5.015	17.68
EPS15	5.22	13.05
EPS15L1	3.07	11.34
EPS8	3.906	0.48
EPS8L1	3.411	0.08
EPS8L2	3.141	0.05
EPS8L3	2.49	0
EPST11	2.09	3.06
EPX	2.267	0.67
EPYC	1.535	0
ERAF	0.506	21.14
ERAL1	1.825	28.15
ERAS	1.266	0
ERBB2	5.279	18.45
ERBB2IP	6.916	9.38

ERBB3	6.134	0.74
ERBB4	5.485	0
ERC1	10.659	1.29
ERC2	6.138	0
ERCC1	1.583	46.24
ERCC2	2.355	14.52
ERCC3	2.75	14.45
ERCC4	2.751	1.16
ERCC5	4.096	13.32
ERCC6	4.713	1.1
ERCC8	2.843	1.51
EREG	4.628	0.02
ERF	2.665	49.44
ERG	3.929	35.91
ERGIC1	6.673	40.52
ERGIC2	1.777	3.13
ERGIC3	1.366	172.97
ERH	1.589	39.97
ERICH1	1.8	14.37
ERLIN1	3.104	7.19
ERLIN2	6.073	5.56
ERMAP	3.616	3.36
ERN1	4.887	1.17
ERN2	3.549	0
ERO1L	3.31	2.72
ERO1LB	2.962	2.02
ERP28P	0.788	10.48
ERP29	2.543	196.53
ERRF11	3.077	0.3
ERV3	3.39	2.56
ERVWE1	6.088	0
ESAM	1.811	2.65
ESCO1	4.435	1.85
ESCO2	3.359	0.8
ESD	1.192	39.43
ESF1	3.216	2.8
ESM1	1.637	0.15
ESPL1	6.532	3.11
ESPN	3.516	0.12
ESPNL	4.607	0.22
ESR1	6.455	0
ESR2	3.404	0.1
ESRRA	2.221	4.7
ESRRB	2.193	0
ESRRG	5.99	0
ESSPL	1.011	0
ESTRRA	2.876	0.14
ESX1	1.469	0
ETAA1	3.283	1.87
ETF1	3.656	13.89

ETF1P1	6.495	0.08
ETF1P2	5.068	0.22
ETFA	1.402	33.29
ETFB	1.609	35.5
ETFDH	2.109	5.8
ETHE1	0.963	33.15
ETNK1	7.306	3.97
ETNK2	2.43	0
ETS1	5.194	6.76
ETS2	3.672	53.57
ETV1	12.313	0.06
ETV2	1.559	0.54
ETV3	1.411	1.13
ETV4	2.402	1.72
ETV5	4.074	15.74
ETV6	5.989	11.27
ETV7	1.626	1.09
EVA1	2.955	0
EVC	6.43	1.42
EVC2	4.406	1.51
EVI1	3.572	0
EVI2A	2.434	19.9
EVI2B	1.954	28.45
EVI5	7.403	0.77
EVI5L	3.731	5.53
EVL	1.842	140.58
EVPL	6.457	0.24
EVX1	3.716	0
EVX2	1.617	0
EWSR1	2.714	94.05
EXDL1	2.939	0
EXDL2	2.831	5.53
EXO1	3.507	1.92
EXOC1	3.73	4.61
EXOC2	4.442	4.88
EXOC3	2.764	14.39
EXOC3L	6.034	2.62
EXOC3L2	1.719	0.83
EXOC4	8.703	7.09
EXOC5	8.511	2.99
EXOC6	3.715	2.45
EXOC6B	6.018	0.82
EXOC7	5.755	27.75
EXOC8	5.099	1.49
EXOD1	1.479	0.91
EXOSC1	1.15	16.26
EXOSC10	2.808	18.09
EXOSC2	1.979	10.38
EXOSC3	1.816	2.65
EXOSC4	0.895	21.84

EXOSC5	1.696	20.17
EXOSC6	1.7	14.32
EXOSC7	1.013	13.47
EXOSC8	0.959	11.42
EXOSC9	1.883	10.82
EXPH5	6.655	0
EXT1	3.363	0.48
EXT2	3.787	12.35
EXTL1	3.992	0
EXTL2	2.958	2.14
EXTL3	6.172	5
EYA1	4.793	0
EYA2	3.411	0
EYA3	2.045	2.76
EYA4	3.401	0.08
EZH1	4.623	8.23
EZH2	5.698	4.05
F10	1.536	0
F11	2.217	0
F11R	4.788	12.03
F12	2.049	0.08
F13A1	3.834	3.93
F13B	2.186	0
F2	1.997	0
F25965	0.9	7.21
F2R	3.595	19.56
F2RL1	2.862	0.03
F2RL2	3.41	1.63
F2RL3	2.731	3.36
F3	2.154	0.15
F5	6.914	0.01
F7	2.736	0.77
F8	11.005	0.16
F8A1	1.702	3.07
F8A2	1.116	0
F8A3	1.116	0
F9	2.802	0
FA2H	2.419	0
FAAH	2.043	1.73
FAAH2	1.98	0.17
FABP1	0.489	0
FABP2	2.251	0
FABP3	1.097	0.38
FABP3P2	0.444	0.57
FABP4	0.62	3.94
FABP5	0.66	6.13
FABP5L3	13.956	0.55
FABP5P1	0.664	0
FABP6	0.858	0
FABP7	1	0

FADD	1.841	9.42
FADS1	4.195	2.21
FADS2	3.149	17.5
FADS3	1.779	8.62
FADS6	2.052	0
FAF1	2.608	16.66
FAH	1.447	2.21
FAHD1	3.35	3.09
FAHD2A	1.298	11.94
FAHD2B	1.265	3.6
FAIM	1.794	4.09
FAIM2	4.703	0
FAIM3	1.95	39.57
FAM100A	1.355	16.48
FAM100B	1.423	157.99
FAM101A	2.148	0
FAM101B	2.952	31.31
FAM102A	4.183	2.28
FAM102B	5.212	1.97
FAM103A1	1.146	4.78
FAM103A2P	1.4	8.18
FAM104A	2.697	12.3
FAM104B	1.048	3.05
FAM105A	1.925	0.08
FAM105B	2.58	4.51
FAM106A	2.281	0.11
FAM107A	3.464	0
FAM107B	3.785	34.54
FAM108A1	1.63	5.22
FAM108A2	1.512	0.78
FAM109A	3.041	5.52
FAM109B	2.332	6.82
FAM10A3	2.597	0.16
FAM10A4	1.599	0.16
FAM10A5	1.632	0.67
FAM10A6	1.662	0.86
FAM10A7	5.195	0.03
FAM110C	1.521	0
FAM111A	3.632	12.62
FAM111B	3.488	2.34
FAM112A	1.214	0.28
FAM112B	0.769	34.07
FAM113A	2.331	28.26
FAM113B	2.075	0.48
FAM114A1	2.118	0.56
FAM116A	4.643	2.7
FAM116B	1.763	7.21
FAM117A	2.361	38.78
FAM118A	1.69	5.48
FAM118B	1.645	7.48

FAM119A	1.773	3.42
FAM119B	5.127	2.52
FAM120A	4.957	24.15
FAM120AOS	2.764	15.94
FAM120B	3.239	10.8
FAM120C	4.232	1.01
FAM122A	3.646	5.63
FAM122B	3.747	7.62
FAM122C	1.339	1.83
FAM123A	4.857	0.02
FAM123B	3.687	1
FAM124A	2.104	0
FAM124B	2.594	0.36
FAM125A	1.193	20.34
FAM125B	6.877	0.8
FAM126A	7.498	0.76
FAM126B	3.987	0.68
FAM127A	1.18	18.56
FAM127B	0.345	15.87
FAM127C	2.017	0.34
FAM128B	0.731	208.34
FAM129A	6.926	4.3
FAM129B	4.017	16.38
FAM129C	2.314	30.14
FAM12A	0.879	0
FAM12B	0.896	0
FAM130A1	4.469	2.97
FAM130A2	2.938	0
FAM13A1	6.134	1.11
FAM13A1OS	3.21	0.71
FAM13C1	4.799	0
FAM14A	0.467	16.77
FAM14B	0.882	6.49
FAM18B	1.779	1.66
FAM18B2	1.513	0.34
FAM19A1	1.915	2.59
FAM19A2	4.056	0
FAM19A3	1.866	0
FAM19A4	2.481	0
FAM19A5	1.849	0
FAM20A	2.267	0.03
FAM20B	5.942	6.16
FAM20C	3.557	0.38
FAM21B	4.326	2.22
FAM21C	4.62	1.89
FAM22A	4.871	0.05
FAM22F	2.756	0.06
FAM22G	3.614	0.14
FAM24A	0.596	0
FAM24B	0.693	0

FAM26A	1.636	0
FAM26B	1.859	5.53
FAM26C	3.053	0
FAM27E1	1.341	0
FAM27E2	1.338	0.06
FAM27L	0.609	0
FAM29A	6.321	1.6
FAM32A	1.449	54.76
FAM33A	2.693	10.42
FAM35A	3.402	1.96
FAM36A	2.855	9.91
FAM38A	6.371	48.97
FAM38B	2.325	0.03
FAM39B	1.712	2.56
FAM39CP	5.493	0.06
FAM39DP	2.544	2.12
FAM3A	1.606	19.36
FAM3B	1.384	0
FAM3C	5.5	1.94
FAM3D	1.308	0
FAM40A	3.262	12.24
FAM40B	10.171	0.36
FAM43A	3.145	36.99
FAM43B	2.569	0
FAM44A	10.542	3.42
FAM44B	1.532	9.73
FAM44C	3.359	0.25
FAM45A	2.182	2.74
FAM45B	1.818	1.86
FAM46A	1.681	0.05
FAM46B	2.368	0.21
FAM46C	5.695	1.33
FAM46D	3.011	0
FAM47A	2.519	0
FAM47B	2.104	0
FAM47C	3.27	0
FAM48A	3.526	8.63
FAM48B1	2.661	0
FAM49A	2.072	12.36
FAM49B	2.196	21.1
FAM50A	1.311	15.55
FAM50B	1.618	7.39
FAM53A	1.896	0.54
FAM53B	5.74	46.21
FAM53C	4.13	16.42
FAM54A	1.505	0.95
FAM54B	2.099	12.08
FAM55A	1.888	0
FAM55B	2.218	0
FAM55C	3.934	3.42

FAM55D	1.687	0
FAM57A	2.08	0.44
FAM57B	1.637	0.31
FAM58A	1.237	13.35
FAM58B	0.645	0.26
FAM59A	3.055	0
FAM59B	4.503	0.71
FAM5B	3.558	0.03
FAM5C	2.884	0
FAM60A	3.068	8.92
FAM62A	4.174	36.75
FAM62B	11.912	10.84
FAM62C	4.051	0
FAM63A	5.486	1.54
FAM63B	5.139	0.65
FAM64A	1.483	4.6
FAM65A	4.07	24.18
FAM66C	0.914	0
FAM69A	0.64	0.79
FAM69B	1.859	7.11
FAM70A	3.394	0.05
FAM70B	1.031	0.25
FAM71A	2.302	0
FAM71B	2.032	0
FAM71C	1.799	0
FAM72A	2.393	0
FAM73A	5.274	0.38
FAM73B	3.587	6.55
FAM74A1	1.652	0
FAM74A4	1.722	0
FAM76A	2.049	2.55
FAM76B	3.825	2.21
FAM77C	2.493	0
FAM77D	1.988	0
FAM78A	3.936	1.16
FAM78B	1.598	0
FAM79A	2.428	11.17
FAM79B	3.656	0
FAM7A2	1.017	1.9
FAM7A3	0.587	0.14
FAM80A	1.51	0
FAM80B	1.777	17.02
FAM81A	2.906	0
FAM81B	1.56	0
FAM82A	1.985	0.25
FAM82B	1.404	8.28
FAM82C	2.251	14.37
FAM83A	3.856	0.07
FAM83B	3.167	0
FAM83C	3.166	0

FAM83D	2.425	2.15
FAM83E	1.926	0
FAM83F	1.925	0
FAM83G	4.582	0.02
FAM83H	5.597	0.03
FAM84A	2.586	0
FAM84B	5.232	0.05
FAM86A	1.432	1.18
FAM86B1	2.041	0.17
FAM86C	3.688	0.43
FAM86D	2.854	1.09
FAM89A	1.27	0.2
FAM89B	1.412	29.89
FAM8A1	4.677	1.6
FAM8A6P	4.613	0.05
FAM8A7P	1.342	0
FAM8A8P	1.677	0
FAM8A9P	1.949	0
FAM90A1	2.342	0.03
FAM90A10	1.954	0
FAM90A11P	1.952	0
FAM90A12	1.954	0
FAM90A2P	1.954	0
FAM90A3	1.954	0
FAM90A5	1.954	0
FAM90A6P	5.518	0
FAM90A7	1.954	0
FAM90A8	1.954	0
FAM90A9	1.954	0
FAM91A1	5.326	1.68
FAM91A2	0.779	0
FAM92A1	1.646	0.15
FAM92A3	1.228	0
FAM92B	1.897	0
FAM96A	1.605	8.55
FAM96B	0.668	61.03
FAM98A	2.745	6.42
FAM98B	3.47	5.43
FAM98C	1.204	8.53
FAM99A	1.989	0
FAM9A	1.519	0
FAM9B	1.34	0
FAM9C	3.239	0
FANCA	6.181	3.38
FANCB	3.008	0.31
FANCC	4.592	0.95
FANCD2	6.043	3
FANCE	2.555	3.46
FANCF	3.309	2.8
FANCG	2.631	4.67

FANCL	1.716	4.03
FANCM	7.125	0.58
FANK1	1.296	0.07
FAP	2.78	0.03
FAR1	0.795	25.43
FAR10	0.176	56.95
FAR11	0.215	10.97
FAR12	0.25	14.83
FAR13	0.436	19.51
FAR14	0.362	9.31
FAR15	0.725	10.57
FAR16	0.105	535.1
FAR17	0.922	40.29
FAR18	0.842	52.32
FAR19	1.029	18.01
FAR2	3.536	42.02
FAR20	0.123	72.6
FAR21	0.16	14.22
FAR22	0.272	111.49
FAR23	0.234	14.4
FAR3	0.372	13.81
FAR4	0.296	9.68
FAR5	6.057	89.3
FAR6	0.381	10.17
FAR7	0.629	23.57
FAR8	1.773	23.28
FAR9	0.195	13.39
FARP1	5.74	10.42
FARP2	3.997	1.73
FARS2	2.104	11.17
FARSA	1.808	37.55
FARSB	3.118	11.05
FAS	6.169	0.23
FASLG	1.86	0.14
FASN	8.458	11.41
FASTK	3.704	6.64
FASTKD1	2.898	5.15
FASTKD2	2.894	4.13
FASTKD3	2.402	1.12
FASTKD5	2.863	6.38
FAT	14.764	0.01
FAT1P1	0.506	0
FAT2	14.535	0
FAT3	19.163	0
FAT4	9.669	0.02
FATE1	1.071	0
FAU	0.56	751.35
FAUP1	0.414	778.27
FBF1	5.149	1.41
FBL	1.079	263.32

FBLIM1	4.139	0.06
FBLN1	4.857	0.2
FBLN2	4.325	0.06
FBLN5	2.622	0.09
FBN1	11.626	0.43
FBN2	10.724	0
FBN3	8.967	0
FBP1	1.476	0.23
FBP2	1.305	0
FBS1	2.799	40.33
FBXL10	6.912	13.55
FBXL11	6.471	19.67
FBXL12	1.852	8.87
FBXL13	6.339	1.75
FBXL14	2.111	4.31
FBXL15	2.344	6.72
FBXL16	3.416	0.17
FBXL17	3.673	1.88
FBXL18	5.05	0.52
FBXL19	4.185	31.99
FBXL2	2.368	0.03
FBXL20	2.624	3.79
FBXL21	1.333	0
FBXL22	1.482	0.06
FBXL3	3.468	5.44
FBXL4	2.777	4.37
FBXL5	3.758	11.73
FBXL6	1.791	7.81
FBXL7	4.562	0
FBXL8	1.599	3.69
FBXO10	4.564	0.9
FBXO11	4.745	7.99
FBXO15	1.682	0
FBXO16	1.292	0
FBXO17	2.696	0
FBXO18	3.798	21.56
FBXO2	1.536	0.27
FBXO21	4.424	4.67
FBXO22	3.907	2.52
FBXO24	5.056	1.25
FBXO25	2.687	2.51
FBXO27	2.324	0
FBXO28	2.924	3.08
FBXO3	2.986	1.56
FBXO30	4.408	1.05
FBXO31	3.585	7.55
FBXO32	1.855	0.95
FBXO33	3.683	2.26
FBXO34	3.408	6.94
FBXO36	0.909	0.47

FBXO38	4.886	4.19
FBXO39	1.647	0.05
FBXO4	2.462	2.19
FBXO40	3.411	0
FBXO41	7.121	4.52
FBXO42	2.976	6.68
FBXO43	2.892	0.88
FBXO44	5.823	4.98
FBXO45	0.561	4.21
FBXO46	3.003	8.05
FBXO47	2.269	0
FBXO5	2.064	6
FBXO6	1.52	4.49
FBXO7	2.458	41.57
FBXO8	2.564	2.17
FBXO9	5.762	5.43
FBXW10	3.456	0.05
FBXW11	4.638	9.21
FBXW11P1	1.134	1.93
FBXW12	1.647	0
FBXW2	2.502	11.82
FBXW4	2.212	24.9
FBXW5	2.345	39.08
FBXW7	4.577	25.84
FBXW8	4.975	6.57
FBXW9	1.713	5.01
FCAMR	2.133	0
FCAR	4.396	0.38
FCER1A	1.165	0
FCER1G	0.591	6.84
FCER2	1.561	1.89
FCF1	2.409	10.6
FCGBP	16.382	0.11
FCGR1A	2.138	0.2
FCGR2A	2.411	26.35
FCGR2B	1.888	27.08
FCGR2C	1.56	16.2
FCGR3A	2.31	2.34
FCGR3B	1.971	0.43
FCGRT	1.478	242.22
FCHO1	3.154	2.59
FCHO2	4.89	1.02
FCHSD1	4.32	0.95
FCHSD2	4.339	11.26
FCMD	7.35	0.8
FCN1	1.285	10.29
FCN2	1.057	0.08
FCN3	1.032	0
FCRL1	2.592	0.07
FCRL2	3.268	0

FCRL3	3.422	0.05
FCRL4	3.459	0
FCRL5	5.39	0.03
FCRL6	1.306	0.25
FCRLA	2.345	0.11
FCRLB	1.768	0
FDFT1	2.106	65
FDPS	1.324	40.4
FDPSL1	1.155	1.53
FDPSP	0.561	0
FDX1	3.219	2.99
FDXP1	0.676	1.74
FDXP2	0.975	0.08
FDXR	2.259	10.07
FECH	3.962	4.61
FECHP	2.414	0.03
FEM1A	3.799	10.73
FEM1B	2.873	7.95
FEM1C	5.813	1.1
FEN1	2.249	18.54
FER	3.279	2.54
FER1L3	6.808	1.38
FER1L4	45.093	0.04
FERD3L	1.28	0
FERP	0.793	4.99
FES	2.762	19
FETUB	1.627	0
FEV	1.879	0
FEZ1	3.252	0
FEZ2	1.917	9.84
FEZF1	3.048	0
FEZF2	1.905	0
FFAR1	0.903	0.19
FFAR2	0.993	0.08
FFAR3	1.66	0
FGA	5.297	0
FGB	1.937	0
FGD1	4.275	3.51
FGD2	3.044	7.39
FGD3	0.1	618.29
FGD4	2.931	0.25
FGD5	5.383	0.08
FGD6	4.996	0.55
FGF1	4.281	0
FGF10	0.627	0
FGF11	2.715	0.43
FGF12	3.054	0
FGF13	2.788	1.03
FGF14	1.194	0
FGF16	0.35	0

FGF17	1.223	0
FGF18	1.528	0
FGF19	2.137	0
FGF2	6.774	0.08
FGF20	1.016	0
FGF21	0.885	0
FGF22	0.513	0
FGF23	3.018	1.5
FGF3	1.548	0
FGF4	1.22	0
FGF5	10.082	0
FGF6	4.217	16.2
FGF7	3.852	0.03
FGF8	1.252	0.07
FGF9	1.417	0
FGFBP1	1.182	0
FGFBP2	1.137	1.78
FGFBP3	2.545	1.45
FGFR1	6.867	50.02
FGFR1OP	1.885	3.26
FGFR1OP2	2.3	8.86
FGFR2	6.089	0
FGFR3	4.069	0.14
FGFR4	3.404	0.03
FGFRL1	3.253	4.22
FGG	2.152	0
FGL1	1.556	0
FGL2	2.938	0.23
FGR	2.352	2.04
FH	1.79	17.65
FHAD1	5.217	0.23
FHIT	1.227	15.03
FHL1	2.377	66.62
FHL2	2.52	0.26
FHL3	1.704	27.39
FHL5	2.124	0
FHOD1	3.758	8.59
FHOD3	4.942	0.07
FIBCD1	3.179	0
FIBP	1.584	36.37
FIGF	2.111	0
FIGLA	0.722	0
FIGN	4.535	0
FIGNL1	6.97	0.91
FILIP1	4.622	0.03
FILIP1L	6.987	0.05
FIP1L1	2.154	22.53
FIS1	1.793	29.74
FIZ1	2.651	7.18
FJX1	2.359	0.11

FKBP10	2.644	0.06
FKBP11	0.702	10.92
FKBP14	4.494	0.26
FKBP15	4.588	13.86
FKBP1A	1.941	91.31
FKBP1B	1.571	0.11
FKBP1C	16.372	0.93
FKBP2	0.908	48.34
FKBP3	1.378	20.85
FKBP4	2.233	8.97
FKBP5	3.772	28.43
FKBP6	2.986	0.85
FKBP7	1.355	0.81
FKBP8	1.766	156.78
FKBP9	6.852	3.38
FKBP9L	4.902	0.7
FKBPL	2.688	9.37
FKHL18	1.318	0
FKRP	3.702	2.93
FKSG2	0.521	1.29
FKSG24	1.275	7.07
FKSG30	1.401	1.08
FKSG43	1.8	2.38
FKSG44	3.67	19
FKSG74	1.378	0
FKSG83	1.165	0
FLAD1	2.474	15.83
FLCN	4.139	3.75
FLG	12.747	0.01
FLI1	2.952	45.57
FLII	4.163	32.05
FLJ00038	0.795	4.13
FLJ10081	5.249	8.07
FLJ10120	11.659	0.18
FLJ10154	4.009	36.87
FLJ10159	4.238	0.31
FLJ10213	1.679	0.5
FLJ10241	1.692	28.03
FLJ10292	2.579	3.2
FLJ10324	7.348	0.27
FLJ10357	5.458	1.48
FLJ10404	4.6	11.34
FLJ10490	0.743	0.57
FLJ10661	2.572	0.49
FLJ10769	2.659	10.89
FLJ10781	3.653	0
FLJ10815	3.524	5.23
FLJ10847	3.279	0
FLJ10916	2.049	0.08
FLJ10986	1.896	4.09

FLJ11151	2.845	4.38
FLJ11171	3.956	3.72
FLJ11184	1.748	5.01
FLJ11235	2.022	0
FLJ11286	2.302	22.28
FLJ11506	2.756	9.66
FLJ11783	1.493	0
FLJ12331	2.057	0.13
FLJ12529	3.497	46.44
FLJ12595	1.904	1.81
FLJ12684	2.744	0
FLJ12716	5.568	4.23
FLJ12886	2.209	13.35
FLJ12949	3.235	19.16
FLJ12993	1.888	9.99
FLJ13195	4.216	0.98
FLJ13197	2.368	0.82
FLJ13224	1.63	0.05
FLJ13231	8.441	1.35
FLJ13236	1.839	0
FLJ13305	1.929	0.31
FLJ13611	2.724	2.75
FLJ14082	3.56	0.03
FLJ14107	1.792	0
FLJ14154	2.553	14.12
FLJ14186	3.845	0.68
FLJ14213	3.93	11.53
FLJ14397	2.835	1.36
FLJ14668	1.787	11.74
FLJ14712	6.328	0
FLJ14803	6.712	1.87
FLJ14816	1.787	0
FLJ14959	2.578	2.06
FLJ16008	4.685	0
FLJ16124	1.823	0
FLJ16126	1.983	0
FLJ16165	2.311	0
FLJ16171	2.143	0.48
FLJ16237	4.95	0
FLJ16287	3.185	1.24
FLJ16331	1.78	0.28
FLJ16369	1.164	0
FLJ16423	0.405	0.21
FLJ16478	1.976	0.04
FLJ16641	2.881	0
FLJ16686	2.346	0
FLJ16734	4.436	0
FLJ16793	2.841	1.48
FLJ20021	1.138	7.26
FLJ20035	6.015	1.52

FLJ20054	2.012	0.5
FLJ20105	8.175	0.44
FLJ20152	3.58	0.12
FLJ20160	4.293	4.12
FLJ20184	1.437	0
FLJ20186	4.38	12.45
FLJ20254	2.7	21.5
FLJ20273	4.009	11.17
FLJ20294	5.108	27.39
FLJ20309	4.04	1.98
FLJ20323	6.114	2.66
FLJ20366	3.43	0.12
FLJ20433	2.772	1.52
FLJ20444	3.768	0.04
FLJ20464	0.7	1.44
FLJ20489	1.927	23.3
FLJ20581	2.428	0
FLJ20628	1.834	3.99
FLJ20674	4.244	18.92
FLJ20699	2.566	8.34
FLJ20850	2.275	13.33
FLJ20920	2.157	13.74
FLJ21062	6.076	0
FLJ21075	1.294	0
FLJ21438	3.379	38.29
FLJ21511	2.471	0
FLJ21687	2.991	0.37
FLJ21767	3.804	7.55
FLJ21839	4.445	44.02
FLJ21865	2.728	5.77
FLJ21908	2.258	5.59
FLJ21963	3.033	0
FLJ21986	10.55	0.65
FLJ22028	3.169	1.52
FLJ22184	3.773	0
FLJ22222	1.85	7.15
FLJ22374	5.466	0.77
FLJ22447	1.312	0.32
FLJ22531	2.135	1.03
FLJ22639	1.301	0.65
FLJ22655	1.134	0
FLJ22659	0.535	0.48
FLJ22662	2.561	5.1
FLJ22671	1.958	0
FLJ22675	1.191	0
FLJ22763	0.738	0
FLJ22795	2.546	0
FLJ23049	3.232	0
FLJ23152	2.085	0
FLJ23356	1.611	0.99

FLJ23577	7.154	0.42
FLJ23588	4.867	0.02
FLJ23834	7.626	0.16
FLJ23861	5.41	1.39
FLJ25006	1.433	1.11
FLJ25037	5.092	0.08
FLJ25076	4.419	0.02
FLJ25328	1.687	0
FLJ25371	0.809	0
FLJ25416	3.533	0.76
FLJ25439	1.225	0.07
FLJ25476	3.106	26.5
FLJ25680	1.295	0
FLJ25715	1.111	0.15
FLJ25758	1.424	0
FLJ25770	1.917	0
FLJ25778	17.344	0.35
FLJ25791	1.559	0.05
FLJ25801	1.3	0
FLJ25967	2.271	0.03
FLJ25996	1.828	0
FLJ26056	1.87	0.45
FLJ26245	0.356	0
FLJ26443	2.241	0
FLJ26850	1.525	0
FLJ27255	2.002	0
FLJ27365	2.27	0.08
FLJ27505	0.459	0
FLJ27523	1.296	0
FLJ30064	4.162	0.1
FLJ30092	11.209	4.66
FLJ30277	2.179	0
FLJ30313	2.585	0
FLJ30375	2.456	0
FLJ30403	2.663	0.73
FLJ30428	2.281	0
FLJ30430	0.458	0
FLJ30851	2.2	0
FLJ30934	1.705	3.16
FLJ31033	7.127	1.38
FLJ31222	1.954	0.04
FLJ31438	2.248	0.56
FLJ31485	0.63	0
FLJ31568	2.138	0.04
FLJ31659	2.174	0
FLJ31818	6.006	1.22
FLJ31951	3.6	11.25
FLJ32011	2.32	0
FLJ32063	3.197	0
FLJ32065	0.937	0.54

FLJ32214	2.214	0
FLJ32252	2.864	0
FLJ32312	2.097	0.68
FLJ32447	1.699	0
FLJ32549	2.576	1.34
FLJ32569	2.149	1.53
FLJ32658	2.052	0.16
FLJ32679	2.802	0
FLJ32682	2.421	0
FLJ32745	2.196	0.61
FLJ32756	1.972	0.17
FLJ32784	3.725	0
FLJ32810	4.82	0.26
FLJ32894	1.71	0.15
FLJ32955	1.832	0
FLJ33360	2.419	0.03
FLJ33534	2.068	0
FLJ33544	2.148	0
FLJ33590	2.163	0.78
FLJ33790	1.497	1.57
FLJ34047	1.161	0
FLJ34048	1.304	0
FLJ34503	2.255	0
FLJ34521	2.12	0.04
FLJ34651	1.99	0.17
FLJ34931	7.044	0
FLJ35220	2.815	2.34
FLJ35348	5.734	6.05
FLJ35379	1.168	0.07
FLJ35409	2.102	0
FLJ35424	2.367	0
FLJ35530	2.577	0.36
FLJ35695	2.043	0
FLJ35767	1.907	0
FLJ35773	2.107	0.24
FLJ35776	1.966	0.25
FLJ35785	5.596	0
FLJ35816	2.165	0.04
FLJ35848	4.069	0.02
FLJ35880	2.689	0
FLJ35934	1.871	1.26
FLJ35946	0.687	0
FLJ36031	4.886	2.14
FLJ36032	0.656	0
FLJ36070	1.825	0.32
FLJ36116	0.207	0
FLJ36144	2.09	0
FLJ36157	5.334	0
FLJ36166	7.324	0.05
FLJ36208	2.044	5.64

FLJ36492	8.687	0.03
FLJ36644	2.825	0
FLJ36840	2.518	0
FLJ36848	3.004	0.59
FLJ36874	3.636	11.68
FLJ37034	2.983	0.45
FLJ37060	2.001	0
FLJ37078	4.488	0.13
FLJ37228	0.396	0
FLJ37357	2.435	0.14
FLJ37396	2.259	0
FLJ37440	2.299	0.11
FLJ37464	2.061	0.9
FLJ37512	0.876	0
FLJ37538	7.162	0.58
FLJ37543	2.97	0.06
FLJ37644	0.34	0
FLJ37673	1.165	4.34
FLJ37786	2.197	0
FLJ37953	5.134	1.41
FLJ38020	2.289	0.11
FLJ38028	0.829	0
FLJ38377	3.168	0
FLJ38379	2.323	1.23
FLJ38482	2.225	3.75
FLJ38576	2.721	0.13
FLJ38596	2.125	0
FLJ38668	2.527	0.03
FLJ38717	2.617	0.29
FLJ38723	2.919	0
FLJ38894	1.789	0
FLJ38973	3.678	1.03
FLJ38984	2.934	5.63
FLJ39061	2.441	0
FLJ39080	2.125	0
FLJ39198	3.89	0
FLJ39237	5.862	0
FLJ39378	2.1	3.01
FLJ39501	2.607	0
FLJ39502	3.786	0.29
FLJ39531	3.046	0
FLJ39575	3.39	0.08
FLJ39632	4.779	1.32
FLJ39639	2.486	0.82
FLJ39653	2.242	68.57
FLJ39660	3.685	0.25
FLJ39739	2.212	0
FLJ39743	3.298	0
FLJ39779	1.727	2.88
FLJ39822	1.621	0

FLJ40113	1.923	0.22
FLJ40125	1.718	0.05
FLJ40142	2.104	4.21
FLJ40172	2.048	0.04
FLJ40176	7.453	0.07
FLJ40194	2.317	0
FLJ40235	1.706	0
FLJ40243	5.239	0.03
FLJ40244	0.77	0
FLJ40288	3.996	0
FLJ40292	1.749	0
FLJ40296	1.847	0
FLJ40298	1.713	0
FLJ40330	2.295	0
FLJ40411	3.761	0
FLJ40434	1	0
FLJ40448	2.137	0
FLJ40453	1.726	0
FLJ40504	1.95	0
FLJ40606	2.48	0.41
FLJ40722	5.91	0.09
FLJ40852	4.524	0.26
FLJ40869	3.024	2.29
FLJ40941	0.973	0
FLJ41046	2.695	0
FLJ41047	1.986	0
FLJ41170	1.725	0
FLJ41200	2.317	0
FLJ41278	0.629	0
FLJ41309	2.511	0.5
FLJ41352	3.842	10.83
FLJ41423	2.597	0
FLJ41481	1.949	0
FLJ41484	3.249	2.98
FLJ41603	4.865	0.17
FLJ41649	3.122	0.35
FLJ41733	2.816	0
FLJ41766	3.332	0
FLJ41821	2.209	0
FLJ41841	3.232	0
FLJ41856	3.016	0
FLJ41993	3.635	0
FLJ42022	2.222	0.11
FLJ42102	2.162	0
FLJ42117	2.551	0.07
FLJ42133	2.112	0
FLJ42177	2.499	0.14
FLJ42220	0.582	0
FLJ42258	2.299	0.7
FLJ42280	5.414	0

FLJ42289	1.56	0.11
FLJ42291	5.248	0.06
FLJ42393	2.355	0.07
FLJ42418	2.13	0
FLJ42562	3.023	0
FLJ42627	3.535	1.43
FLJ42842	2.645	0
FLJ42953	1.832	0
FLJ42957	1.597	0.42
FLJ42986	1.312	1.03
FLJ43080	4.217	0
FLJ43093	1.787	0.19
FLJ43276	2.15	0.2
FLJ43339	7.526	24.08
FLJ43390	2.927	0
FLJ43505	1.994	0.04
FLJ43582	2.25	0
FLJ43681	2.381	0
FLJ43692	3.836	0.11
FLJ43752	2.107	0.04
FLJ43763	2.007	0
FLJ43806	4.13	0
FLJ43826	3.229	0
FLJ43859	4.871	0
FLJ43860	4.164	0.02
FLJ43879	3.489	0
FLJ43950	4.762	0
FLJ43980	3.706	0
FLJ43987	3.045	0
FLJ44005	3.524	2.82
FLJ44006	3.026	0
FLJ44048	4.293	0
FLJ44054	2.928	0
FLJ44060	6.146	0
FLJ44076	3.36	0.03
FLJ44124	6.024	0.15
FLJ44290	2.048	0.04
FLJ44313	2.077	0.08
FLJ44379	1.684	0
FLJ44385	3.894	0.04
FLJ44450	1.599	0
FLJ44451	0.512	0.33
FLJ44477	2.433	0.03
FLJ44606	0.708	0.24
FLJ44635	2.268	50.66
FLJ44653	2.385	0.11
FLJ44691	3.78	0.04
FLJ44790	3.21	0
FLJ44796	3.756	0.07
FLJ44815	3.997	0

FLJ44817	1.949	0
FLJ44838	4.199	0
FLJ44861	1.577	0
FLJ44881	2.337	0
FLJ44894	3.33	0.6
FLJ44955	2.704	0.19
FLJ44968	0.982	3.6
FLJ45032	3.962	0.42
FLJ45079	4.678	0
FLJ45121	4.521	1.92
FLJ45139	3.823	0
FLJ45187	6.328	0.05
FLJ45224	3.706	0
FLJ45244	2.331	0.47
FLJ45248	2.77	0.25
FLJ45256	2.907	0
FLJ45337	4.063	0
FLJ45340	6.962	0.48
FLJ45422	13.761	0.06
FLJ45445	4.298	0
FLJ45455	1.772	0.99
FLJ45508	1.84	0
FLJ45513	0.905	0.75
FLJ45530	3.186	0.48
FLJ45537	3.409	0
FLJ45557	4.407	0
FLJ45684	2.896	0.12
FLJ45717	2.258	0.03
FLJ45721	2.509	0
FLJ45743	2.558	0
FLJ45803	5.443	0.23
FLJ45825	3.815	0.04
FLJ45831	3.008	0
FLJ45872	4.146	0
FLJ45909	3.021	1.84
FLJ45910	1.996	0
FLJ45964	3.7	0
FLJ45966	3.204	0
FLJ45974	6.968	0
FLJ45983	2.214	0
FLJ45994	1.352	0
FLJ46010	2.375	0
FLJ46020	2.261	0.11
FLJ46026	3.133	0.35
FLJ46082	1.789	0
FLJ46109	8.105	0.01
FLJ46111	1.828	0
FLJ46120	3.051	0
FLJ46121	1.802	0
FLJ46210	2.657	0

FLJ46266	3.099	0
FLJ46284	3.37	0
FLJ46300	3.35	0
FLJ46309	3.032	0
FLJ46321	4.828	0
FLJ46347	3.129	0
FLJ46358	5.065	0
FLJ46361	21.25	0
FLJ46363	3.957	0
FLJ46365	3.602	0.03
FLJ46481	3.178	0
FLJ46688	3.221	0
FLJ46831	2.764	0
FLJ46836	3.258	0
FLJ46838	2.243	0.15
FLJ90086	4.337	0.15
FLJ90650	4.502	0
FLJ90680	2.17	0
FLJ90709	2.463	3.9
FLJ90757	3.306	10.98
FLNA	8.368	12.29
FLNB	9.429	31.47
FLNC	18.284	0.03
FLOT1	5.49	0
FLOT2	2.632	51.17
FLRT1	3.247	0.15
FLRT2	7.179	0.01
FLRT3	4.188	0
FLT1	5.783	2.4
FLT3	3.476	2.23
FLT3LG	1.036	6.91
FLT4	5.33	2.77
FLVCR	1.99	1.22
FLYWCH1	5.118	7.06
FMN1	3.757	0.54
FMN2	6.633	0.01
FMNL1	3.963	28.42
FMNL2	5.575	5.52
FMNL3	12.364	26.25
FMO1	2.126	0
FMO2	5.181	0
FMO3	2.139	0.04
FMO4	2.139	0.99
FMO5	2.324	0.58
FMO6P	25.949	0
FMOD	2.986	0.96
FMR1	4.335	3.42
FMR1NB	1.019	0
FN1	9.665	0.24
FN3K	1.377	2.02

FN3KRP	1.769	14.81
FNBP1	6.31	47.13
FNBP1L	7.595	2.69
FNBP4	3.986	16.63
FNDC1	6.551	0
FNDC3A	6.001	2.29
FNDC3B	6.865	0.05
FNDC4	1.631	0.1
FNDC5	2.657	0.29
FNDC7	2.384	0
FNDC8	1.355	0.19
FNIP1	6.567	1.11
FNTA	1.942	26.54
FNTAL1	1.636	4.01
FNTAL2	1.141	2.21
FNTB	2.819	2.6
FOLH1	2.635	0.19
FOLH2	0.155	0
FOLR1	2	0
FOLR1P	1.068	0
FOLR2	1.102	19.72
FOLR3	0.845	0.4
FOS	2.084	92.28
FOSB	3.775	30.26
FOSL1	1.668	0.71
FOSL2	3.991	3.9
FOXA1	3.112	0
FOXA2	2.433	0
FOXA3	1.989	0.04
FOXB1	1.008	0
FOXB2	1.299	0
FOXC1	1.662	0.05
FOXC2	1.506	0
FOXD1	2.27	0
FOXD2	4.675	0.45
FOXD3	1.437	0.24
FOXD4	2.186	0
FOXD4L1	2.25	0
FOXD4L2	2.218	0
FOXD4L4	3.109	0
FOXD4L6	2.218	0
FOXE1	3.461	0
FOXE3	1.981	0
FOXF1	2.514	0
FOXF2	2.187	0
FOXG1B	2.585	0
FOXH1	1.8	0
FOXI1	2.572	0
FOXJ1	2.376	0.14
FOXJ2	5.482	6.53

FOXJ3	5.231	11.24
FOXK1	22.382	2.37
FOXK2	3.865	17.57
FOXL1	1.038	0
FOXL2	2.736	0
FOXM1	3.626	14.66
FOXN1	2.697	0
FOXN2	5.388	1.13
FOXN4	2.958	0
FOXO1A	5.722	12.82
FOXO1B	2.102	0
FOXO3A	3.654	4.49
FOXO3B	0.618	0.41
FOXP1	7.128	24.33
FOXP2	5.852	0.07
FOXP3	1.869	0.04
FOXP4	6.413	5.08
FOXQ1	2.309	0
FOXR1	1.153	0
FOXR2	1.926	0
FOXRED1	1.951	12.87
FOXRED2	3.932	8.89
FPGS	3.09	66.55
FPGT	3.426	0.93
FPR1	1.317	0.96
FPRL1	2.042	0.37
FPRL2	2.517	0.1
FRAG1	1.952	13.81
FRAP1	8.679	7.61
FRAS1	15.209	0
FRAT1	2.651	2.8
FRAT2	2.205	3.09
FRDAP	0.685	0
FREM1	6.17	0.02
FREM2	9.51	0
FREM3	7.179	0
FREQ	4.314	0.09
FRG1	1.043	22.61
FRG2	2.084	2.87
FRK	2.849	0
FRMD1	3.005	0
FRMD3	2.534	0.03
FRMD4A	6.815	2.37
FRMD4B	6.862	8.64
FRMD5	2.243	0
FRMD6	4.504	0.06
FRMD7	3.2	0
FRMPD1	4.916	0
FRMPD2	6.45	0
FRMPD3	7.309	0

FRMPD4	6.352	0
FRRS1	2.678	0.1
FRS2	1.782	1.14
FRS3	2.166	3.89
FRY	10.71	0.05
FRYL	2.365	0.07
FRZB	2.035	0.04
FSCN1	5.655	44.15
FSCN2	1.527	0
FSCN3	3.766	0
FSD1	1.742	0
FSD1L	4.532	0.17
FSD2	2.679	0
FSHB	1.969	0
FSHR	2.382	0
FSIP1	2.809	0.09
FSIP2	2.726	0.06
FST	1.529	0
FSTL1	3.682	0.53
FSTL3	2.5	6.8
FSTL4	5.382	2.38
FSTL5	4.83	0
FTCD	2.113	0.04
FTH1	1.229	185.74
FTHL1	0.896	0.28
FTHL10	0.805	1.25
FTHL11	0.886	0.19
FTHL12	0.912	2.22
FTHL16	0.939	0.54
FTHL17	0.813	0
FTHL2	0.568	0.14
FTHL3	0.954	0.62
FTHL4	0.912	0.55
FTHL7	0.91	2.59
FTHL8	0.909	0.47
FTHP1	40.464	0.01
FTHP2	0.812	0.31
FTL	0.871	773.59
FTLL1	0.978	62.45
FTLP	0.827	0
FTMT	0.879	0
FTO	4.294	10.46
FTSJ1	2.211	11.85
FTSJ2	3.202	10.55
FTSJ3	2.984	20.95
FUBP1	2.884	43.31
FUBP3	3.13	12.08
FUCA1	2.031	47.82
FUCA1P	2.028	0
FUCA2	2.098	0.28

FUK	3.907	3.47
FUNDC1	1.147	9.84
FUNDC2	2.964	15.52
FUNDC2P	1.126	3.52
FURIN	4.18	29.8
FUS	2.419	142.49
FUSIP1	4.199	9.13
FUSSEL18	0.891	0
FUT1	4.246	0.16
FUT10	3.549	2.21
FUT11	2.056	3.56
FUT2	3.105	0.46
FUT3	2.584	0.03
FUT4	5.938	1.78
FUT5	1.988	0
FUT6	3.11	0
FUT7	2.584	18.75
FUT8	4.325	2.32
FUT9	3.042	0
FUZ	1.621	8.68
FVT1	2.288	7.58
FXC1	1.469	9.92
FXN	3.793	4.15
FXR1	4.288	21.49
FXR2	2.844	11.02
FXYD1	0.614	1.37
FXYD2	0.644	1.83
FXYD3	1.579	0.05
FXYD4	0.771	0
FXYD5	1.717	278.36
FXYD6	1.675	7.55
FXYD7	0.713	1.89
FYB	4.828	0.33
FYCO1	8.497	1.45
FYN	3.428	114.19
FYTTD1	4.109	15.21
FZD1	8.7	1.48
FZD10	3.254	0.03
FZD2	1.983	4.59
FZD3	3.933	0.04
FZD4	7.383	0.58
FZD5	2.561	0.1
FZD6	3.754	3.93
FZD7	3.851	0.43
FZD8	3.186	3.23
FZD9	4.684	0.02
FZR1	5.007	12.13
G0S2	0.866	0.09
G13P1	0.825	0
G3BP1	3.356	29.54

G3BP2	4.451	12.59
G6PC	3.096	0
G6PC2	1.068	0
G6PC3	1.558	42.61
G6PD	2.631	39.76
GAA	3.847	12.79
GAB1	4.876	34.57
GAB2	6.429	31.05
GAB3	4.718	5.55
GAB4	2.63	0.03
GABARAP	0.893	276.76
GABARAPL1	1.87	1.85
GABARAPL2	1.002	42.88
GABARAPL3	1.851	0.04
GABBR1	19.626	0.01
GABBR2	5.786	0
GABPA	4.381	3.39
GABPB2	4.296	17.14
GABRA1	3.672	0
GABRA2	2.179	0
GABRA3	1.891	0
GABRA4	11.129	0
GABRA5	1.515	0
GABRA6	1.73	0
GABRB1	1.925	0
GABRB2	1.974	0
GABRB3	6.096	6.98
GABRD	1.848	3.33
GABRE	4.766	0.02
GABRG1	6.769	0.03
GABRG2	5.103	0
GABRG3	0.93	0
GABRP	3.268	0
GABRQ	2	0
GABRR1	1.976	0
GABRR2	1.613	0.32
GAD1	4.03	0.08
GAD2	2.462	1.33
GADD45A	1.355	76.65
GADD45B	1.363	28.86
GADD45G	1.065	0.55
GADD45GIP1	0.743	90.93
GADL1	3.084	0
GAGE1	0.639	0
GAGE10	0.396	0
GAGE12B	0.627	0
GAGE12D	0.627	0
GAGE12G	0.627	0
GAGE2	0.528	0
GAGE4	0.527	0

GAGE5	0.522	0
GAGE6	0.526	0
GAGE7	0.498	0
GAGE7B	0.502	0
GAGE8	0.517	0
GAK	4.331	25.66
GAL	0.778	0
GAL3ST1	1.791	0.05
GAL3ST2	1.583	0
GAL3ST3	2.103	0
GAL3ST4	4.76	1.47
GALC	4.373	2.27
GALE	1.724	4.84
GALK1	1.361	17.02
GALK2	3.359	2.33
GALM	1.932	0.82
GALNAC4S-6ST	6.193	120.95
GALNACT-2	3.724	2.33
GALNS	2.373	7.32
GALNT1	3.771	23.21
GALNT10	5.657	3.13
GALNT11	5.146	1.85
GALNT12	1.746	0.38
GALNT13	5.096	0
GALNT14	2.712	27.15
GALNT17	3.922	0
GALNT2	4.458	37.94
GALNT3	3.871	0
GALNT4	5.347	0.99
GALNT5	3.131	0.03
GALNT6	2.881	1.11
GALNT7	4.255	10.93
GALNT8	2.135	0
GALNT9	1.727	0
GALNTL1	2.907	0.06
GALNTL2	3.578	0.03
GALNTL4	2.504	0
GALNTL5	3.362	0
GALP	0.938	0
GALR1	3.057	0
GALR2	1.298	0
GALR3	1.157	0
GALT	1.335	12.18
GAMT	1.482	25.75
GAN	4.677	0.18
GANAB	4.91	103.72
GANC	4.586	4.13
GAP43	1.225	0.07
GAPDH	1.31	1284.12
GAPDHL16	1.277	0.59

GAPDHL4	1.264	1.6
GAPDHP1	0.429	1.77
GAPDHP2	0.993	0.93
GAPDHS	1.439	0.93
GAPVD1	6.889	6.24
GARNL1	9.203	0.61
GARNL2P	7.159	0.58
GARNL3	3.348	0.03
GARNL4	6.661	5.74
GARS	5.49	11.6
GART	4.274	13.93
GAS1	2.827	0.27
GAS2	2.236	0.08
GAS2L1	4.684	3.9
GAS2L2	2.709	0
GAS2L3	2.333	0.87
GAS5	0.632	127.82
GAS6	2.689	55.07
GAS7	8.773	5.19
GAS8	3.185	8.39
GAST	0.435	0
GATA1	1.5	1.74
GATA2	3.367	0.1
GATA3	3.213	0.24
GATA4	3.372	0
GATA5	2.595	0
GATA6	3.494	0
GATAD1	7.91	1.3
GATAD2A	5.003	22.71
GATAD2B	5.773	17.23
GATM	2.325	0.47
GATS	6.984	5.01
GBA	2.888	13.65
GBA2	3.611	10.52
GBA3	2.105	0
GBAP	4.648	2.28
GBAS	3.948	4.31
GBE1	2.89	7.7
GBF1	6.376	10.83
GBGT1	1.949	12.41
GBL	1.64	24.97
GBP1	2.88	2.46
GBP2	2.595	11.62
GBP3	2.931	1.92
GBP4	5.449	49.14
GBP5	2.407	28.7
GBP6	2.987	1.01
GBP7	2.418	1.08
GBX2	1.335	0
GC	1.781	0

GCA	1.639	3.14
GCAT	1.459	5.89
GCATP	1.425	1.06
GCC1	8.264	1.67
GCC2	7.124	2.07
GCDH	2.092	11.35
GCET2	3.721	13.04
GCG	1.128	0
GCGR	2.044	0
GCH1	5.13	1.3
GCHFR	0.713	12.53
GCK	6.61	0
GCKR	2.189	0
GCLC	3.717	1.74
GCLM	3.074	3.23
GCM1	2.765	0
GCM2	2.357	0
GCN1L1	8.668	14.49
GCN5L2	3.074	24.17
GCNT1	5.518	3.6
GCNT2	7.186	0.1
GCNT3	2.118	0.04
GCNT4	3.436	0
Gcom1	16.567	0.62
GCS1	2.852	19.76
GCSH	1.161	2.47
GDA	5.43	0
GDAP1	1.077	0.24
GDAP1L1	2.244	0
GDAP2	2.851	1.6
GDF1	1.164	0.29
GDF10	2.674	0
GDF11	3.987	18.99
GDF15	1.183	1.28
GDF2	1.936	0
GDF3	1.224	0
GDF5	2.383	0
GDF6	3.701	0
GDF7	1.994	0
GDF8	2.819	0
GDF9	1.365	0.37
GDI1	2.219	53.94
GDI2	2.273	210.83
GDI2P	4.547	3.63
GDNF	1.416	0
GDPD1	1.821	0.65
GDPD2	2.166	0.04
GDPD3	1.703	1.04
GDPD4	2.533	0.5
GDPD5	3.441	2.69

GEFT	2.972	0.08
GEM	2.322	0
GEMIN4	3.446	6.55
GEMIN5	4.748	6.28
GEMIN6	0.693	7.54
GEMIN7	2.073	21.54
GEMIN8	1.682	11.02
GENX-3414	2.331	2.46
GFAP	3.035	0
GFER	2.409	7.94
GF11	2.784	13.49
GF11B	1.789	1.32
GFM1	3.468	6.56
GFM2	3.41	6.72
GFOD1	2.994	1.16
GFOD2	2.016	8.94
GFPT1	3.082	2.81
GFPT2	3.011	0.06
GFRA1	3.155	0
GFRA2	2.216	0.23
GFRA3	1.931	0.04
GFRA4	2.108	0.08
GFRAL	1.911	0
GGA1	4.356	6.94
GGA2	5.186	34.87
GGA3	3.846	14.3
GGCX	3.159	5.68
GGH	1.269	5.31
GGN	2.154	0.04
GGPS1	3.734	4.87
GGT1	2.695	0.09
GGT2	2.935	0
GGT3	2.066	0
GGT6	2.527	0
GGTA1	0.693	0
GGTA1P	1.124	0.08
GGTL3	2.772	1.18
GGTL4	1.216	0
GGTLA1	2.405	30.2
GGTLA4	1.412	0
GH1	1.201	1.2
GH2	2.087	0.04
GHDC	2.65	13.83
GHITM	2.376	46.13
GHR	4.36	0.48
GHRH	0.454	0
GHRHR	3.602	0
GHRL	0.518	0.32
GHSR	1.971	0
GIF	1.513	0

GIMAP1	2.496	5.63
GIMAP2	2.886	10.45
GIMAP3P	1.778	0.14
GIMAP4	3.93	32.99
GIMAP5	3.918	14.88
GIMAP6	8.127	19.09
GIMAP7	2.458	7.47
GIMAP8	7.886	3.11
GINS1	1.831	2.16
GINS2	1.172	11.14
GINS3	2.149	16.5
GINS4	1.166	1.66
GIP	0.711	0
GIPC1	2.115	40.82
GIPC2	2.823	0.51
GIPC3	3.835	24.38
GIPR	2.024	0
GIT1	3.726	30.43
GIT2	6.415	13.39
GIYD1	1.112	6.14
GIYD2	1.112	6.14
GJA1	3.086	0
GJA10	2.313	0
GJA12	2.243	0.42
GJA1P1	3.072	0
GJA3	1.308	0
GJA4	1.622	0.26
GJA5	2.653	1.3
GJA7	1.889	0.26
GJA8	1.374	0
GJA9	0.966	0
GJB1	1.613	0
GJB2	2.25	0.45
GJB3	3.141	0
GJB4	1.151	0
GJB5	1.281	0
GJB6	1.767	0
GJB7	2.279	0
GJC1	2.441	4.76
GJE1	1.68	0
GK	3.574	0.31
GK2	1.866	0
GK3P	0.974	0.09
GK4P	2.138	0.2
GK5	9.816	0.24
GK6P	1.803	0.05
GKAP1	1.778	1.94
GKN1	0.82	0
GKN2	0.8	0.21
GLA	1.35	10.61

GLB1	2.392	16.55
GLB1L	2.505	1.38
GLB1L3	2.706	8.65
GLCCI1	6.014	0.97
GLCE	5.043	0.76
GLDC	3.764	4.81
GLDCP	3.766	2.37
GLDN	4.595	0
GLE1L	3.604	29.68
GLG1	5.401	22.31
GLI1	3.6	0.09
GLI2	6.549	0.2
GLI3	10.108	0.65
GLI4	1.343	12.23
GLIPR1	1.061	11.04
GLIPR1L1	0.962	0.08
GLIPR1L2	1.729	0.05
GLIS1	2.816	0
GLIS2	1.909	0.26
GLIS3	3.118	0
GLMN	2.032	1.5
GLO1	1.993	18.81
GLOXD1	1.803	3.83
GLP1R	3.063	0
GLP2R	1.662	0
GLRA1	1.709	0
GLRA2	3.216	0
GLRA3	2.538	0
GLRB	2.609	0
GLRX	1.329	33.41
GLRX2	1.446	0.82
GLRX5	1.171	32.66
GLRXP	0.334	3.03
GLRXP2	1.5	0
GLS	5.093	12.7
GLS2	2.623	0.42
GLT1D1	2.721	0.22
GLT25D1	3.593	44.24
GLT25D2	5.182	0.18
GLT6D1	1.526	0
GLT8D1	2.427	16.62
GLT8D2	1.877	0.31
GLT8D3	7.493	0.88
GLTP	2.356	14.3
GLTSCR1	5.699	3.18
GLTSCR2	1.499	510.7
GLUD1	3.039	23.37
GLUD2	2.335	12.01
GLUDP2	0.398	0
GLUDP3	6.136	0.66

GLUDP4	2.089	0
GLUL	3.698	30.18
GLULD1	1.934	0
GLULL1	2.105	2.64
GLULP	1.116	1.36
GLYAT	2.729	0
GLYATL1	2.068	0
GLYATL2	1.636	0
GLYCAM1	3.057	0
GLYCTK	1.982	3.57
GM2A	2.511	19.49
GM2AP	0.563	0.59
GM632	5.919	8.71
GMCL1	2.346	1.97
GMCL1L	2.925	0.34
GMDS	1.672	9.42
GMEB1	2.183	3.9
GMEB2	4.763	5.46
GMFB	4.125	1.65
GMFG	0.551	340.61
GMIP	3.517	14.18
GML	0.723	0
GMNN	1.633	8.92
GMPPA	1.885	12.87
GMPPB	1.957	6.59
GMPR	1.515	1.22
GMPR2	2.824	27.44
GMPS	2.457	17.83
GNA11	1.671	13.46
GNA12	10.975	11.23
GNA13	4.719	12.28
GNA14	1.929	0
GNA15	2.283	114.01
GNAI1	6.64	5.01
GNAI2	2.2	187.08
GNAI3	3.138	14.6
GNAL	3.555	0.03
GNAO1	2.571	0
GNAQ	2.776	13.01
GNAQP	1.435	2.81
GNAS	4.939	155.8
GNAT1	2.534	0.03
GNAT2	1.51	0.39
GNAT3	2.131	0
GNAZ	3.211	0.53
GNB1	3.128	130.66
GNB1L	1.515	5.45
GNB2	3.304	53.92
GNB2L1	1.109	2428.02
GNB3	1.923	0.31

GNB4	3.302	4.38
GNB5	3.17	4.17
GNE	3.745	1.89
GNG10	1.245	4.19
GNG11	1.908	0.26
GNG12	4.289	1.39
GNG13	0.95	0.36
GNG2	3.419	24.76
GNG3	1.193	4.87
GNG4	1.721	0
GNG5	0.701	44.82
GNG5ps	0.427	21.7
GNG7	4.155	33.92
GNG8	0.213	0.4
GNGT1	1.256	0
GNGT2	1.039	3.41
GNL1	9.021	0.07
GNL2	2.308	17.95
GNL3	2.523	23.67
GNL3L	6.826	9.43
GNLY	1.21	3.2
GNMT	1.068	0.48
GNPAT	2.439	10.81
GNPDA1	2.267	10.59
GNPDA2	1.918	2.51
GNPNAT1	3.925	3.95
GNPTAB	5.615	27.77
GNPTG	1.556	28.2
GNRH1	1.511	0.06
GNRH2	0.694	0
GNRHR	9.285	0.03
GNRHR2	6.257	4.46
GNS	5.114	8.69
GOLGA	3.177	0
GOLGA1	4.798	1.33
GOLGA2	4.26	7.62
GOLGA2L1	2.266	0.52
GOLGA2LY1	1.061	0
GOLGA2LY2	5.926	0
GOLGA3	9.252	8.83
GOLGA4	7.702	2.29
GOLGA5	2.891	6.26
GOLGA6	3.176	0
GOLGA7	2.105	21.17
GOLGA8A	5.229	2.79
GOLGA8B	4.044	3.09
GOLGA8E	5.24	0
GOLGA8G	5.256	0
GOLGB1	10.572	5.87
GOLPH2	3.224	1.28

GOLPH3	2.676	21.66
GOLPH3L	3.127	7.38
GOLPH4	3.513	1.2
GOLT1A	0.883	0
GOLT1B	2.924	1.18
GON4L	9.563	5.9
GOPC	4.604	7.9
GORASP1	3.259	14.47
GORASP2	2.499	42.57
GOSR1	5.497	3.06
GOSR2	6.049	6.85
GOT1	1.942	11.8
GOT1L1	1.377	0
GOT2	2.447	38.21
GP1BA	2.424	0.35
GP1BB	0.958	0
GP2	2.431	0
GP5	5.223	0.45
GP6	2.264	0.03
GP9	0.854	1.88
GPA33	2.793	0.27
GPAA1	2.067	43.6
GPAA1P1	1.02	2.73
GPAM	6.368	1.25
GPATCH1	3.362	2.46
GPATCH2	2.336	2.27
GPATCH3	2.123	6.59
GPATCH4	2.1	21.26
GPATCH8	6.86	13.8
GPBAR1	1.367	0.13
GPBP1	2.857	14.8
GPBP1L1	3.384	20.96
GPC1	3.686	0.2
GPC2	5.064	1.15
GPC3	2.312	0.11
GPC4	3.714	0.25
GPC5	2.889	0
GPC6	2.759	0.34
GPD1	2.877	0.26
GPD1L	3.915	3.47
GPD2	2.794	1.18
GPHA2	0.747	0
GPHB5	0.392	0
GPHN	4.302	2.61
GPI	2.075	77.5
GPIAP1	6.925	32.33
GPKOW	1.652	12.9
GPLD1	4.138	0.37
GPM6A	4.009	0.04
GPM6B	4.093	2.92

GPNMB	5.73	0.25
GPR1	2.075	0
GPR101	1.527	0
GPR103	1.296	0
GPR107	6.878	5.87
GPR108	2.405	15.09
GPR109A	2.065	0.2
GPR109B	2.042	0.04
GPR110	4.343	15.44
GPR111	2.521	0
GPR112	9.931	0
GPR113	3.24	0.65
GPR114	3.761	0.94
GPR115	2.574	0
GPR116	5.502	0
GPR119	1.008	0
GPR12	1.005	0.5
GPR120	1.19	0
GPR123	3.84	0
GPR124	5.649	10.66
GPR125	4.56	5.45
GPR126	9.845	0
GPR128	3.07	0
GPR132	3.636	8.34
GPR133	2.824	0.15
GPR135	2.542	0.1
GPR137	1.688	13.22
GPR137B	1.997	0.38
GPR137C	4.79	0.03
GPR139	1.238	0
GPR141	1.836	0.09
GPR142	1.389	0
GPR143	1.607	0
GPR143P	6.108	0
GPR144	2.892	0
GPR146	3.514	3.71
GPR148	1.187	0
GPR149	2.323	0
GPR15	1.083	0.08
GPR150	1.305	0.52
GPR151	1.26	0
GPR152	1.429	0.06
GPR153	2.632	0.32
GPR155	7.473	0.25
GPR156	2.445	0
GPR157	1.153	0
GPR158	6.663	0
GPR160	1.745	0.63
GPR161	2.958	0.29
GPR162	2.812	0.72

GPR165P	0.712	0
GPR166P	0.702	0
GPR17	2.062	0.12
GPR171	1.786	4.48
GPR172A	1.937	18.79
GPR172B	2.294	0.08
GPR173	1.698	0.15
GPR174	1.258	0.07
GPR175	1.861	16.75
GPR176	3.084	8.22
GPR177	3.32	0.82
GPR179	7.98	0.01
GPR18	1.603	0.42
GPR180	3.922	0.88
GPR19	1.409	0
GPR20	1.528	0
GPR21	1.05	0
GPR22	5.932	0
GPR23	2.293	0
GPR25	1.086	0.08
GPR26	7.514	0
GPR27	1.128	0
GPR3	2.111	2.12
GPR30	5.942	0.04
GPR31	0.96	0
GPR32	1.071	0
GPR32P	1.611	0
GPR33	1.055	0
GPR34	4.442	0.02
GPR35	1.875	1.08
GPR37	5.916	0
GPR37L1	2.459	0
GPR39	1.362	0
GPR4	2.693	0.06
GPR42	1.041	0
GPR44	2.901	0.32
GPR45	1.725	0
GPR50	1.951	0
GPR52	1.472	0
GPR53P	3.774	0
GPR55	2.527	0.07
GPR56	5.98	31.03
GPR6	1.626	0
GPR61	2.462	0
GPR62	2.124	0
GPR63	1.891	0.44
GPR64	4.641	0
GPR65	1.754	0.53
GPR68	2.814	4.07
GPR75	2.057	0.49

GPR77	1.287	0.2
GPR78	1.941	0
GPR79	1.018	0
GPR81	2.977	0.4
GPR82	1.41	0
GPR83	4.109	0
GPR84	1.497	0.39
GPR85	9.764	0
GPR87	1.498	0
GPR88	3.488	0
GPR89A	1.928	0.7
GPR92	2.845	9.68
GPR97	2.656	0.44
GPR98	19.333	0
GPRASP1	4.705	0.41
GPRASP2	3.572	1.54
GPRC5A	2.851	0.03
GPRC5B	2.845	0.06
GPRC5C	2.434	5.85
GPRC5D	1.038	0
GPRC6A	2.86	0
GPRIN1	4.208	3.76
GPRIN2	1.823	0
GPRIN3	6.489	13.09
GPS1	2.738	31.32
GPS2	1.157	45.36
GPSM1	1.959	1.08
GPSM2	2.788	3.3
GPSM3	4.368	0.81
GPSN2	1.163	89.67
GPT	1.922	0.26
GPT2	3.955	0.04
GPX1	2.007	242.3
GPX2	0.994	0.34
GPX3	1.761	1.91
GPX4	1.528	172.94
GPX5	0.768	0
GPX6	1.712	0
GPX7	1.227	33.43
GPXP2	0.94	0.8
GRAMD1A	2.64	135.74
GRAMD1C	3.765	0.7
GRAMD2	3.281	0.03
GRAMD3	2.905	0.08
GRAP	2.033	37.95
GRAP2	1.552	0.22
GRASP	1.932	0.53
GRB10	10.986	7.26
GRB14	2.387	0
GRB2	3.468	47.51

GRB7	2.293	1.84
GREB1	10.498	0
GREM1	4.134	1.1
GREM2	4.183	0.02
GRHL1	3.84	0
GRHL2	4.778	0
GRHL3	3.302	0
GRHPR	1.235	19.58
GRIA1	3.24	0
GRIA2	5.644	0
GRIA3	3.692	0
GRIA4	2.709	0
GRID1	5.849	0
GRID2	3.024	0
GRID2IP	58.097	0.55
GRIK1	3.684	0.09
GRIK2	3.969	0
GRIK3	3.733	0
GRIK4	2.871	0
GRIK5	3.528	14.8
GRIN1	7.351	0
GRIN2A	6.289	0
GRIN2B	6.237	0
GRIN2C	4.268	2.52
GRIN2D	4.298	0
GRIN3A	7.77	0.08
GRIN3B	3.254	0.25
GRINA	2.11	49.66
GRINL1A	5.207	3.17
GRIP1	4.617	0.02
GRIP2	3.426	0
GRIPAP1	4.738	11.07
GRK1	1.096	0
GRK4	2.314	0.51
GRK5	2.558	14.56
GRK6	4.115	21.49
GRK6PS	2.417	2.65
GRK7	1.746	0
GRLF1	8.455	7.74
GRM1	6.622	0
GRM2	3.156	0.37
GRM3	8.52	0
GRM4	3.879	0
GRM5	4.475	0
GRM6	6.139	0
GRM7	5.625	0
GRM8	6.59	0
GRN	2.551	104.51
GRP	1.484	0
GRPEL1	1.504	13.33

GRPEL2	4.105	1.54
GRPR	2.681	0
GRRP1	1.523	0.11
GRSF1	2.839	16.89
G RTP1	1.492	0.45
GRWD1	2.414	20.13
GSC	1.189	0
GSCL	0.618	0
GSDM1	2.164	0
GSDMDC1	2.372	66.44
GSDML	1.626	4.45
GSG1	3.134	0.13
GSG1L	1.172	0
GSG2	2.797	2.11
GSH1	0.847	0
GSH2	1.262	0
GSK3A	2.179	49.52
GSK3B	2.212	7.43
GSN	3.065	299.54
GSPT1	3.229	24.96
GSPT2	2.503	4.68
GSR	2.262	17.31
GSS	1.9	26.73
GSTA1	1.042	0
GSTA2	0.976	0
GSTA3	0.908	0
GSTA4	1.298	2.73
GSTA5	0.845	0
GSTAP1	0.75	0
GSTCD	3.118	1.4
GSTK1	2	40.73
GSTM1	1.161	23
GSTM2	1.154	18.61
GSTM3	3.948	0.98
GSTM3P	0.574	0
GSTM4	1.905	3.31
GSTM5	1.567	0
GSTO1	0.785	53.87
GSTO2	1.494	0.11
GSTO3P1	0.79	9.7
GSTP1	0.737	419.69
GSTPP	0.412	0.2
GSTT1	1.005	7.46
GSTT2	1.101	0.15
GSTZ1	1.679	4.01
GTDC1	3.828	1.76
GTF2A1	1.922	3.72
GTF2A2	0.735	31.17
GTF2B	1.304	17.76
GTF2E1	2.955	2.85

GTF2E2	1.53	13.38
GTF2F1	2.443	42.75
GTF2F2	1.41	9.5
GTF2F2L	1.122	1.58
GTF2H1	2.968	8.51
GTF2H2	3.872	0.02
GTF2H3	1.505	6.27
GTF2H4	5.148	0
GTF2H5	0.449	24.57
GTF2I	9.058	2.75
GTF2IP1	111.876	0.06
GTF2IRD1	7.114	0.83
GTF2IRD2	7.102	0.85
GTF2IRD2B	7.17	1.09
GTF2IRD2P	63.534	0.03
GTF3C1	6.995	12.42
GTF3C2	3.92	13.43
GTF3C3	2.938	13.04
GTF3C4	3.209	3.49
GTF3C5	2.639	52.38
GTPBP1	5.047	17.98
GTPBP10	4.272	1.1
GTPBP2	3.259	11.81
GTPBP3	3.228	5.12
GTPBP4	2.517	12.59
GTPBP5	3.561	6.22
GTPBP6	1.18	23.56
GTPBP8	1.982	1.4
GTPBP9	4.532	10.07
GTSCR1	0.402	0
GTSE1	4.478	6.49
GUCA1A	1.874	0
GUCA1B	2.27	0.14
GUCA1C	0.86	0
GUCA2A	0.575	0
GUCA2B	0.597	0
GUCY1A2	2.954	0
GUCY1A3	2.992	4.5
GUCY1B2	2.871	0
GUCY1B3	2.443	2.06
GUCY2C	3.744	0.03
GUCY2D	3.622	0
GUCY2E	2.779	0
GUCY2F	3.698	0
GUF1	2.671	2.74
GUK1	1.656	62.52
GULOP	0.107	0
GULP1	3.451	0
GUSB	4.382	17.67
GUSBL1	0.979	0.08

GUSBL2	2.624	3.24
GUSBP1	7.169	0
GVIN1	8.82	1.57
GYG1	1.805	13.3
GYG2	3.267	0
GYG2P	14.911	0
GYLTL1B	2.528	5.33
GYPA	2.6	0.78
GYPB	0.527	3.68
GYPC	1.071	395.07
GYPE	1.886	0.62
GYS1	3.557	20.32
GYS2	2.905	0
GZF1	4.741	1.96
GZMA	0.878	37.99
GZMB	0.927	3.45
GZMH	0.902	3.36
GZMK	1.045	1.29
GZMM	0.947	0.89
H19	2.308	1.86
H1F0	2.33	186.19
H1FNT	1.3	0
H1FOO	1.067	0
H1FX	1.503	272.54
H2AFB1	0.517	0
H2AFB2	0.348	0
H2AFB3	0.517	0
H2AFJ	2.807	10.5
H2AFV	4.406	14.88
H2AFX	1.594	53.96
H2AFY	2.262	260.08
H2AFY2	1.917	0
H2AFZ	0.947	52.93
H2AFZP	1.167	2.23
H2AFZP2	0.851	4.55
H2BFM	1.964	0
H2BFS	0.381	1.11
H2BFWT	0.89	0
H3F3A	1.049	1.21
H3F3B	2.705	193.66
H6PD	9.117	6.6
HAAO	1.247	13.17
HABP2	3.009	0
HABP4	1.784	2.83
HACE1	4.54	2.01
HACL1	2.03	9.13
HADH	1.912	28.06
HADHA	2.927	76.92
HADHAP	2.854	5.6
HADHB	1.983	30.84

HAGH	2.266	9.36
HAGHL	2.555	1.65
HAL	3.139	0.05
HAMP	0.427	0.2
HAND1	1.738	0
HAND2	2.368	0
HAO1	1.746	0
HAO2	1.696	0
HAP1	4.087	0.2
HAPLN1	1.76	0
HAPLN2	1.771	0
HAPLN3	1.893	0.49
HAPLN4	3.383	0
HARS	1.964	33.5
HARS2	2.49	10.49
HAS1	2.087	0
HAS2	3.008	0
HAS3	4.645	0.83
HASNT	1.656	0
HAT1	1.828	12.99
HAVCR1	1.453	0.06
HAVCR2	2.32	0.32
HAX1	1.294	46.29
HBA1	0.576	1631.93
HBA2	0.575	1348.95
HBAP1	0.812	0
HBB	0.626	1566.03
HBBP1	2.402	0.21
HBD	0.774	41.25
HBE1	0.816	0.42
HBEGF	2.344	10.21
HBG1	0.584	75.58
HBG2	0.583	156.04
HBM	0.51	30.39
HBP1	5.658	4.81
HBQ1	0.651	1.04
HBS1L	7.149	6.94
HBXIP	0.85	52.23
HBZ	0.589	0
HBZP	2.035	0
HCCA2	1.406	14.26
HCCS	2.307	4.23
HCFC1	7.711	22.88
HCFC1R1	1.133	24.31
HCFC2	2.583	2.12
hCG_15200	2.309	77.78
hCG_16001	0.585	0.87
hCG_1640171	0.669	8.82
hCG_1640785	0.5	1217.72
hCG_1641229	1.748	66.21

hCG_1641617	0.305	2.49
hCG_1641703	0.699	1.09
hCG_1642034	0.318	0
hCG_1642354	0.468	1.8
hCG_1642425	0.348	0
hCG_1642535	0.216	0
hCG_1642624	1.023	0.83
hCG_1642947	0.387	1.09
hCG_1642987	0.267	0
hCG_1643176	0.402	0
hCG_1643692	0.771	0
hCG_1644239	0.303	0.28
hCG_1644301	0.459	47.34
hCG_1644323	0.471	1.25
hCG_1644355	0.24	0
hCG_1644608	1.48	0.28
hCG_1644884	2.601	0
hCG_1645016	1.567	0
hCG_1645220	1.172	0.21
hCG_1645727	1.377	0
hCG_1646157	3.482	0.29
hCG_1646420	0.69	0
hCG_1646471	0.549	0
hCG_1651160	0.585	0
hCG_1654703	0.652	0.52
hCG_1655019	0.381	0
hCG_1657112	0.665	0
hCG_1657980	1.213	0
hCG_1659830	0.297	0
hCG_1660138	0.849	0
hCG_1660379	0.456	0
hCG_1729902	0.698	0.6
hCG_1730474	2.139	0
hCG_1731871	0.3	0
hCG_1732469	1.279	0
hCG_1740678	1.107	0
hCG_1749005	0.429	0
hCG_1757335	1.283	24.75
hCG_1773937	4.053	54.66
hCG_17750	0.384	32.25
hCG_1776018	1.053	0
hCG_1776047	0.523	0
hCG_1776980	1.212	13.27
hCG_1778014	2.645	0.13
hCG_1778643	0.573	0.59
hCG_1781062	1.499	22.42
hCG_1783052	4.715	2.34
hCG_1783417	0.554	500.4
hCG_1783907	0.657	0
hCG_1786283	1.69	0

hCG_1787519	0.745	0.57
hCG_1789710	0.566	6.7
hCG_1789827	0.371	0
hCG_1790262	0.381	5.31
hCG_1790474	0.339	1.24
hCG_1790806	0.384	0.44
hCG_1790950	0.354	0
hCG_1791193	0.207	168.88
hCG_1793136	0.375	0
hCG_1793610	0.354	0.24
hCG_1793639	0.273	0
hCG_1794003	0.465	0
hCG_1794298	0.966	0.08
hCG_1795065	0.717	5.4
hCG_1795091	0.49	0
hCG_1795283	0.576	0
hCG_17955	1.216	1.24
hCG_1795560	0.165	2.04
hCG_1806964	3.518	0.26
hCG_1811337	0.291	0
hCG_1813624	0.455	0
hCG_1813818	0.627	0
hCG_1814486	1.148	3.23
hCG_1814936	0.607	0
hCG_1815491	0.558	2.12
hCG_1815504	0.635	0
hCG_1817208	0.512	0
hCG_1818231	0.472	0.18
hCG_1818237	0.303	3.05
hCG_1820717	0.467	0
hCG_1820764	0.336	1.26
hCG_1820801	0.559	0
hCG_18255	0.588	0
hCG_18290	0.495	1162.28
hCG_18385	0.387	0.22
hCG_18635	0.657	0
hCG_1979841	0.93	0
hCG_1980447	0.756	0
hCG_1981531	1.27	1.46
hCG_1981635	0.417	0
hCG_1982709	1.429	2.65
hCG_1983058	0.779	126.19
hCG_1983332	0.856	31.98
hCG_1983896	1.974	0.04
hCG_1984265	0.47	0
hCG_1984468	1.044	2.1
hCG_1985469	1.832	1.15
hCG_1986447	2.625	0.93
hCG_1988300	3.013	0
hCG_1989844	0.466	0.18

hCG_1990491	1.182	0
hCG_1992287	0.348	0
hCG_1992539	1.565	2.42
hCG_1994895	0.55	0
hCG_1995786	0.671	13.31
hCG_1999814	0.807	0
hCG_2000329	1.027	129.84
hCG_2001000	1.102	1.38
hCG_2003663	2.215	0
hCG_2003956	1.596	1.22
hCG_2004593	0.664	0.38
hCG_20114	1.404	2.1
hCG_2013212	0.492	0.17
hCG_2015956	0.89	7.48
hCG_2019139	0.45	0
hCG_2020170	0.171	0
hCG_2023776	2.722	1.02
hCG_2024094	1.275	7.73
hCG_2024410	2.398	1.41
hCG_2024596	0.738	0.68
hCG_2025063	0.555	2.28
hCG_2025128	3.541	0
hCG_2025798	0.593	0
hCG_2026038	0.902	1.21
hCG_2028557	1.93	10.44
hCG_2029702	0.596	0
hCG_2031213	0.531	0
hCG_2031635	0.303	7.23
hCG_2032978	0.677	0
hCG_2033311	0.477	0
hCG_2036596	1.363	0
hCG_2040054	0.977	0.08
hCG_2040201	1.123	0
hCG_2040210	1.082	0.62
hCG_2040224	0.531	9.36
hCG_2040376	2.241	4.25
hCG_2040572	0.519	0
hCG_2041321	0.363	0.93
hCG_20417	2.618	0
hCG_2042202	1.55	0
hCG_20426	1.88	0.36
hCG_2042779	0.609	0
hCG_2044152	0.509	0
hCG_2044975	0.459	0
hCG_2045048	0.56	0
hCG_2045437	0.635	0
hCG_2045614	0.766	0
hCG_2045751	0.635	0
hCG_2045804	0.454	0
hCG_2045828	0.455	0

hCG_2045830	0.705	0.48
hCG_2045843	0.537	0
hCG_21078	0.567	2414.92
hCG_22804	1.379	0.37
hCG_23177	0.565	0
hCG_24006	1.983	0
hCG_25371	0.54	68.33
hCG_25653	0.653	0
hCG_26523	0.523	37.21
hCG_26824	0.965	4.27
hCG_27695	0.693	5.47
hCG_31916	0.8	24.85
hCG_32481	3.633	9.44
hCG_33730	74.989	0
hCG_38480	0.825	0
hCG_38941	1.892	0
hCG_38984	1.581	0
hCG_39912	0.636	0
hCG_401283	1.083	0
hCG_41095	1.307	0.26
HCG12	1.3	3.11
HCG22	0.576	0
HCG27	5.156	0.03
HCG2P6	7.093	0
HCG2P7	3.633	0
HCG2P8	7.077	0
HCG4	2.035	0.33
HCG4P10	2.664	0
HCG4P3	0.984	0
HCG4P4	0.429	0
HCG4P5	0.89	0
HCG4P6	3.184	0.1
HCG4P7	0.898	0
HCG4P8	0.986	0
HCG9	1.959	0
HCG9P5	0.794	0
HCGVIII-2	1.28	0
HCK	2.089	4.96
HCLS1	1.957	112.82
HCN1	2.748	0
HCN2	3.408	0.03
HCN3	3.717	0.52
HCN4	5.065	0
HCP5	4.866	37.71
HCP5P10	2.657	0
HCP5P12	4.68	0
HCP5P13	1.113	0
HCP5P14	7.018	0.03
HCP5P15	2.323	0
HCP5P2	2.268	0.22

HCP5P3	1.3	0.26
HCP5P6	2.363	0
HCP9	11.971	0
HCRT	0.577	0
HCRT1	1.564	0
HCRT2	1.818	0
HCST	0.545	34
HCTSL-s	0.657	0
HD	13.475	5.07
HDAC1	2.091	80.09
HDAC10	2.687	18.93
HDAC11	1.719	2.6
HDAC2	1.964	34.22
HDAC3	1.934	23
HDAC4	8.458	0.67
HDAC5	5.399	24.78
HDAC6	4.099	12.25
HDAC7A	4.457	48.12
HDAC8	1.714	5.8
HDAC9	15.461	0.8
HDC	2.408	0.03
HDDC2	1.465	23.34
HDDC3	1.047	21.4
HDGF	2.377	139.17
HDGF2	2.422	30.46
HDGFL1	2.034	0.13
HDGFP	1.598	2.32
HDGFRP3	1.973	0.55
HDHD1A	2.098	3.41
HDHD1BP	107.418	0
HDHD1CP	1.847	0.05
HDHD2	2.185	18.47
HDHD3	1.721	11.6
HDLBP	5.474	46.69
HEATR1	7.329	5.65
HEATR2	6.494	5.96
HEATR3	2.625	3.65
HEATR4	3.469	0.17
HEATR5B	6.792	3.46
HEBP1	1.187	18.38
HEBP2	1.282	11.17
HECA	5.621	5.49
HECTD1	8.955	7.35
HECTD2	6.469	0.37
HECTD3	3.407	16.25
HECW1	13.678	0.28
HECW2	6.926	0.01
HEG1	9.213	0.24
HEJ1	0.945	0
HEL308	3.559	2.56

HELB	3.368	0.63
HELLS	3.099	0.93
HELT	0.984	0
HELZ	6.311	4.54
HEMGN	2.296	3.45
HEMK1	5.862	5.76
HEPACAM	3.24	0
HEPH	4.65	0
HEPHL1	6.181	0
HEPN1	1.428	0
HERC1	15.137	4.97
HERC2	15.334	5.88
HERC2P2	102.02	0.79
HERC2P4	2.428	0
HERC2P5	34.025	0
HERC2P6	0.586	0
HERC3	4.894	3.77
HERC4	5.878	4.41
HERC5	3.479	2.93
HERC6	4.954	3.18
HERPUD1	2.248	6.44
HERPUD2	5.736	5.73
HERV-FRD	3.192	0.4
HES1	1.453	1.05
HES2	4.258	0
HES3	1.355	0
HES4	0.878	0.38
HES5	1.306	0
HES6	1.359	0.62
HES7	0.678	0.25
HESX1	0.892	0.76
HEXA	2.255	27.72
HEXB	1.859	26.15
HEXDC	2.236	17.06
HEXIM1	4.785	7.72
HEXIM2	1.33	6.27
HEY1	2.199	0.08
HEY2	2.533	2.52
HEYL	3.361	0.5
HFE	3.685	0.57
HFE2	3.349	0
HFM1	2.02	0
HGD	2.837	0
HGF	9.104	0.08
HGFAC	2.038	0.13
HGS	3.229	25.02
HGSNAT	5.952	0.2
HHAT	3.594	2.86
HHATL	1.75	0
HHCM	1.407	0

HHEX	1.74	25.51
HHIP	3.53	0.14
HHLA1	2.277	0
HHLA2	2.66	1.68
HHLA3	1.863	5.02
HIAT1	2.641	8.61
HIATL1	3.298	10.85
HIATL2	68.322	0.07
HIBADH	3.956	5.36
HIBCH	2.326	4.31
HIC1	2.626	1.38
HIC2	6.794	2.33
HIF1A	5.263	12.92
HIF1AN	3.919	11.76
HIF3A	6.223	0.02
HIG2	2.698	1.03
HIGD1A	1.338	12.21
HIGD1B	0.626	0.27
HIGD2A	0.611	132.9
HIGD2BP	11.485	0
HILS1	0.854	0.2
HIN1L	6.813	0.75
HINT1	0.675	188.57
HINT2	0.652	12.79
HINT3	1.487	1.81
HIP1	14.75	2.24
HIP1R	4.473	2.02
HIP2	2.381	13.9
HIPK1	8.805	6.34
HIPK2	5.596	0.63
HIPK3	4.446	10.1
HIPK4	2.452	0.14
HIRA	4.013	11
HIRIP3	2.344	17.32
HISPPD1	5.281	8.47
HISPPD2A	7.708	4.05
HIST1H1A	0.757	0
HIST1H1B	0.79	1.06
HIST1H1C	0.732	174.22
HIST1H1D	0.777	3.58
HIST1H1E	0.785	2.46
HIST1H1PS2	0.735	0
HIST1H1T	0.725	0
HIST1H2AA	0.5	0
HIST1H2AB	0.477	0.71
HIST1H2AC	0.546	104.76
HIST1H2AD	0.46	2.75
HIST1H2AE	0.564	23
HIST1H2AG	2.251	2.7
HIST1H2AH	0.439	0.76

HIST1H2AI	0.469	8.09
HIST1H2AJ	0.439	0.38
HIST1H2AK	0.46	1.47
HIST1H2AL	0.47	1.97
HIST1H2AM	0.487	3.29
HIST1H2APS2	0.291	0
HIST1H2APS4	0.348	0
HIST1H2APS5	0.651	0.13
HIST1H2BA	0.437	0
HIST1H2BB	0.431	0.59
HIST1H2BC	0.438	6.34
HIST1H2BD	0.907	57.11
HIST1H2BE	0.435	0.2
HIST1H2BF	0.43	6.08
HIST1H2BG	0.445	17.23
HIST1H2BH	0.425	5.75
HIST1H2BI	0.437	0.38
HIST1H2BJ	0.481	9.98
HIST1H2BK	0.82	259.49
HIST1H2BL	0.938	7.36
HIST1H2BM	0.446	1.51
HIST1H2BN	0.449	2.25
HIST1H2BO	0.467	7.04
HIST1H2BPS2	0.34	0.25
HIST1H3A	0.469	2.16
HIST1H3B	0.472	2.32
HIST1H3C	0.459	0.92
HIST1H3D	0.864	5.36
HIST1H3E	0.664	5.58
HIST1H3F	0.466	1.27
HIST1H3G	0.467	2.7
HIST1H3H	0.981	18.81
HIST1H3I	0.477	0.53
HIST1H3J	0.478	0.35
HIST1H4A	0.372	4.08
HIST1H4B	0.357	0.94
HIST1H4C	0.39	1.3
HIST1H4D	0.367	0.46
HIST1H4E	0.377	5.81
HIST1H4F	0.368	1.38
HIST1H4G	0.367	0
HIST1H4H	0.374	24.55
HIST1H4I	0.37	1.14
HIST1H4J	0.356	7.57
HIST1H4K	0.354	15.23
HIST1H4L	0.364	0.23
HIST1H4PS1	0.171	0
HIST2H2AA3	0.715	111.81
HIST2H2AA4	0.534	43.06
HIST2H2AB	0.448	1.13

HIST2H2AC	0.437	1.35
HIST2H2BA	0.381	0
HIST2H2BC	0.582	6.22
HIST2H2BD	0.495	1.36
HIST2H2BE	2.223	40.21
HIST2H2BF	1.797	1.13
HIST2H3A	0.507	0.83
HIST2H3C	0.507	1
HIST2H3D	0.543	0
HIST2H3PS2	0.411	0.2
HIST2H4A	0.396	38.29
HIST2H4B	0.396	32.76
HIST3H2A	0.496	0
HIST3H2BA	0.379	0
HIST3H2BB	0.452	0
HIST3H3	0.481	0
HIST4H4	0.412	1.63
HIVEP1	9.026	0.97
HIVEP2	9.086	7.33
HIVEP3	9.108	3.7
HK1	4.528	10.1
HK2	7.093	1.87
HK3	3.05	0.61
HKDC1	3.679	0.03
HKR1	2.929	6.18
HLA-16	2.51	0.2
HLA-21	1.117	0.23
HLA-75	3.576	0
HLA-80	3.225	0
HLA-90	6.092	0
HLA-A	3.04	286.63
HLA-B	3.036	258.95
HLA-C	4.787	26.5
HLA-DMA	3.222	0
HLA-DMB	4.074	7.82
HLA-DOA	10.455	7.22
HLA-DOB	2.644	21.57
HLA-DPA1	3.471	8.64
HLA-DPB1	3.002	321.68
HLA-DPB2	51.612	5.36
HLA-DQA1	5.039	74.89
HLA-DQA2	5.141	0.07
HLA-DQB1	4.018	153.67
HLA-DQB2	3.177	0.24
HLA-DRA	3.756	46.65
HLA-DRB1	3.739	187.01
HLA-DRB2	15.03	0.9
HLA-DRB3	2.316	0
HLA-DRB4	2.387	0.04
HLA-DRB5	1.171	1028.17

HLA-DRB6	8.525	1.3
HLA-DRB7	19.496	0.01
HLA-DRB8	2.537	0
HLA-DRB9	1.811	0
HLA-E	5.07	1.31
HLA-F	3.564	2.1
HLA-G	5.554	0.03
HLA-H	11.492	0.21
HLA-J	2.775	0.09
HLA-K	3.252	0.55
HLA-L	14.499	0.03
HLCS	5.977	1.39
HLF	4.01	0
HLTF	6.573	2.47
HLX1	2.257	45.76
HLXB9	4.353	0
HM13	4.009	31.85
HMBOX1	2.423	1.39
HMBS	1.655	10.18
HMCN1	18.206	0.01
HMCN2	9.649	0
HMFN0672	2.633	0.13
HMG14P	0.576	0
HMG17L1	1.46	0.06
HMG17L2	0.265	0
HMG17P1	2.288	0.03
HMG1L1	0.636	1.46
HMG1L3	0.446	0.37
HMG1L4	0.566	0.3
HMG1L5	0.997	4.06
HMG1L8	1.609	0.15
HMG1L9	1.575	1.87
HMG20A	3.885	8.57
HMG20B	1.584	50.63
HMG2L1	5.262	2.91
HMG4L	0.888	0.09
HMG4L2	0.581	0.14
HMGA1	2.618	125.91
HMGA1L1	2.082	0.93
HMGA1L2	1.397	8.87
HMGA1L3	1.814	8.83
HMGA2	4.609	0.4
HMGB1	4.156	22.5
HMGB1P	0.972	0.26
HMGB2	1.264	216.92
HMGB3	3.556	4.84
HMGB4	2.981	0
HMGCL	1.608	12.68
HMGCLL1	2.532	0
HMGCR	4.475	5.86

HMGCS1	3.336	4.55
HMGCS2	2.046	0
HMGN1	1.304	56
HMGN1P1	0.936	0.27
HMGN2	1.287	65.39
HMGN2P	0.677	0
HMGN2P2	1.097	0.46
HMGN3	1.72	22.13
HMGN4	1.969	21.52
HMHA1	4.264	62.47
HMHB1	0.384	11.85
HMMR	2.988	4.6
HMOX1	1.55	2.29
HMOX2	1.626	19.74
HMP19	2.335	0
HMSD	12.607	0
HMX1	1.896	0
HMX2	1.628	0
HMX3	2.163	0
HN1	3.463	15.33
HN1L	3.683	12.92
HNF4A	4.04	0
HNF4G	4.1	0
HNMT	4.178	0.93
hnRNPA1p	0.892	1.04
HNRNPG-T	2.097	0
HNRPA0	2.967	83.5
HNRPA1	1.925	46.82
HNRPA1L-2	1.354	0.19
HNRPA1L3	1.73	0.25
HNRPA1P3	0.465	0
HNRPA1P4	316.052	0
HNRPA1P5	0.7	0.12
HNRPA1P6	0.978	7.24
HNRPA2B1	3.655	212.7
HNRPA3	2.566	30.69
HNRPA3P1	3.006	1.09
HNRPAB	2.068	75.35
HNRPC	2.337	171
HNRPCL1	1.108	12.32
HNRPCP	1.613	4.96
HNRPD	2.257	147.2
HNRPDL	3.509	65.58
HNRPDP	1.036	28.95
HNRPF	2.591	115.77
HNRPH1	2.907	121.45
HNRPH2	2.42	45.46
HNRPH3	2.436	66.5
HNRPK	4.053	99.82
HNRPL	2.397	120.93

HNRPLL	2.035	0.16
HNRPM	2.76	99.98
HNRPR	2.663	70.41
HNRPU	7.48	77.63
HNRPUL1	5.721	73.27
HNRPUL2	5.222	61.58
HNRPUP	0.651	106.49
HNT	3.375	0
HOMER1	4.214	0.54
HOMER2	3.114	2.03
HOMER3	1.517	8.05
HOMEZ	3.665	4.21
HOM-TES-103	3.215	9.36
HOOK1	2.457	0
HOOK2	2.513	5.13
HOOK3	3.685	2.72
HOP	1.368	0.25
HORMAD1	1.879	0.09
HORMAD2	1.895	0
HOXA1	9.602	0.03
HOXA10	6.3	0
HOXA11	5.306	0.02
HOXA11S	3.098	0
HOXA13	5.027	0.07
HOXA2	3.556	0
HOXA3	7.437	0
HOXA4	3.688	0
HOXA5	2.664	0
HOXA6	1.726	0
HOXA7	4.036	0
HOXA9	4.114	0.02
HOXB1	1.014	0
HOXB13	3.038	0
HOXB2	1.604	0.26
HOXB3	3.618	0.03
HOXB4	2.033	0.91
HOXB5	1.821	0
HOXB6	1.676	0
HOXB7	1.367	5.23
HOXB8	1.823	0
HOXB9	2.701	0
HOXC10	1.96	0.04
HOXC11	2.037	0
HOXC12	0.849	0
HOXC13	2.396	0
HOXC4	2.346	0
HOXC5	3.254	0
HOXC6	2.584	0.13
HOXC8	2.29	0
HOXC9	1.542	0.11

HOXD1	2.069	240.74
HOXD10	1.804	0
HOXD11	1.463	0
HOXD12	0.841	0
HOXD13	1.461	0
HOXD3	2.299	0
HOXD4	1.298	0
HOXD8	1.879	0
HOXD9	2.089	0.04
HP	1.433	7.41
HP1BP3	2.792	47.7
HPCA	1.406	0
HPCAL1	2.168	58.16
HPCAL4	4.259	0
HPD	1.423	0.12
HPGD	2.537	0
H-plk	5.748	1.29
HPN	2.568	0.88
HPR	1.242	0.68
HPRT1	1.331	11.64
HPRTP2	1.108	1.75
HPS1	6.336	12.41
HPS3	4.451	2.14
HPS4	7.498	67.09
HPS5	5.115	2.72
HPS6	2.647	5.76
HPSE	1.793	2.35
HPSE2	2.293	0
HPX	1.389	0
HR	4.981	0.1
HRAS	1.251	9.56
HRASLS	1.062	0
HRASLS2	0.742	0
HRASLS3	1.066	0.16
HRASLS5	1.166	0
HRB	4.878	5.69
HRBL	9.786	11.06
HRC	2.385	0
HRG	1.952	0
HRH1	3.868	0.24
HRH2	1.847	8.4
HRH3	2.671	0
HRH4	3.668	0
HRK	0.697	0.36
HRNBP3	0.445	0
HRNR	9.623	0
HRSP12	1.011	3.59
HS1BP3	2.403	4.14
HS2ST1	6.714	3.2
HS322B1A	7.385	0

HS3ST1	1.965	1.8
HS3ST2	1.952	0.13
HS3ST3A1	2.527	0.23
HS3ST3B1	2.698	6.46
HS3ST4	2.808	0
HS3ST5	1.041	0.08
HS3ST6	0.936	0
HS6ST1	2.151	5.99
HS6ST2	4.441	0
HS6ST3	7.8	0
HSBP1	1.891	14.88
HSBP1P1	0.521	10.35
HSCB	1.09	5.72
HSD11B1	1.512	0.06
HSD11B1L	3.428	0.64
HSD11B2	1.884	0
HSD17B1	2.23	6
HSD17B10	1.045	47.4
HSD17B11	1.675	26.75
HSD17B12	2.383	13.29
HSD17B13	2.377	0.03
HSD17B14	1.237	2.73
HSD17B2	1.427	0
HSD17B3	1.134	0
HSD17B4	2.594	17.96
HSD17B6	1.512	0.17
HSD17B7	1.519	2.39
HSD17B7P2	24.055	0.09
HSD17B8	2.967	0
HSD3B1	1.648	0
HSD3B2	1.669	0
HSD3B7	2.17	0.54
HSDL1	3.488	1.89
HSDL2	3.21	9.5
HSF1	2.137	42.18
HSF2	2.445	2.52
HSF2BP	1.899	0.22
HSF4	1.546	4.2
HSF5	4.107	0.08
HSFX1	2.019	0
HSFY1	2.816	0
HSFY2	2.834	0
HSH2D	2.367	23.7
HSMPP8	3.234	13.88
HSN2	1.305	0.25
HSP40	2.877	0.11
HSP90AA1	4.227	186.89
HSP90AA2	3.218	33.74
HSP90AA3P	2.81	1.08
HSP90AA4P	2.287	4.53

HSP90AB1	2.538	501.34
HSP90AB2P	1.277	21.37
HSP90AB3P	2.546	44.83
HSP90AB4P	3.541	0.12
HSP90AB5P	2.212	0
HSP90B1	2.78	178.38
HSP90B2P	2.083	24.11
HSP90B3P	10.13	1.33
HSPA12A	7.196	0
HSPA12B	3.346	55.92
HSPA14	1.806	2.29
HSPA1A	7.149	0.24
HSPA1B	7.531	0
HSPA1L	7.527	0
HSPA2	2.464	5.06
HSPA4	4.091	21.33
HSPA4L	3.27	0.03
HSPA5	3.908	138.21
HSPA6	2.652	1.65
HSPA8	2.42	396.75
HSPA9	2.85	57.31
HSPA9P	2.733	10.48
HSPB1	1.694	358.58
HSPB2	0.802	0
HSPB3	0.763	0
HSPB6	1.457	1.16
HSPB7	2.557	0
HSPB8	2.002	0.54
HSPB9	0.48	0
HSPBAP1	1.936	2.52
HSPBP1	1.769	16.38
HSPC049	6.358	6.56
HSPC072	0.963	0
HSPC105	1.232	0
HSPC111	1.42	32.33
HSPC142	1.464	40.33
HSPC148	1.017	23.69
HSPC152	0.583	222.37
HSPC159	0.771	1.2
HSPC171	0.821	19.49
HSPC268	2.024	6.87
HSPD1	2.436	56.99
HSPDP3	1.787	0.14
HSPDP7	2.349	0.03
HSPE1	0.538	35.23
HSPEP1	0.318	0
HSPEP2	0.465	7.25
HSPG2	14.288	3.31
HSPH1	3.668	17.43
HSZFP36	2.368	0.85

HTATIP	2.94	17.79
HTATIP2	1.418	8.91
HTATSF1	2.759	17
HTF9C	3.12	15.07
HTN1	0.537	0
HTN3	0.524	0
HTR1A	1.269	0
HTR1B	1.173	0
HTR1D	2.835	0
HTR1E	1.913	0
HTR1F	1.101	0
HTR2A	3.009	0
HTR2B	2.227	0.08
HTR2C	4.751	0
HTR3A	2.654	0
HTR3B	1.817	0
HTR3C	1.699	0
HTR3D	1.459	0
HTR3E	1.912	0
HTR4	4.519	0
HTR5A	4.803	0
HTR6	1.984	0.04
HTR7	7.495	0.04
HTR7P	7.289	0.27
HTRA1	2.103	0.32
HTRA2	2.55	21.14
HTRA3	2.537	38.25
HTRA4	2.079	6.28
HUNK	7.385	0
HUS1	4.286	1.61
HUS1B	1.026	0.25
HUWE1	13.644	17.78
HVCN1	2.075	35.48
HYAL1	6.246	0
HYAL2	1.95	8.21
HYAL3	1.942	2
HYAL4	4.814	0
HYALP1	12.55	0
HYDIN	3.659	0
HYI	2.096	11.69
HYLS1	1.81	4.38
HYMAI	5.005	0
HYOU1	4.556	36.2
HYPE	1.651	0.46
HYPK	1.349	36.78
IAH1	0.906	22.96
IAPP	1.462	0
IARS	4.653	23.75
IARS2	3.549	14.91
IBRDC1	1.784	0

IBRDC2	4.768	0.07
IBRDC3	1.987	19.84
IBSP	1.081	0
IBTK	5.775	4.19
ICA1	4.907	0.22
ICA1L	4.691	0.09
ICAM1	2.984	6.44
ICAM2	1.607	29.4
ICAM3	1.742	30.37
ICAM4	3.023	4.98
ICAM5	3.001	0.42
ICEBERG	0.431	0
ICHTHYIN	3.269	0
ICK	6.403	2.21
ICMT	4.815	12.32
ICOS	2.613	0
ICOSLG	4.78	14.29
ICT1	0.879	10.73
ID1	2.106	0.12
ID2	1.364	12.05
ID2B	1.174	1.01
ID3	1.204	71.5
ID4	2.344	0.07
IDE	3.592	4.05
IDH1	2.329	5.82
IDH2	1.733	71.21
IDH3A	2.665	10.62
IDH3B	2.069	33.63
IDH3G	1.981	38.48
IDI1	2.137	19.55
IDI2	1.359	1.55
IDS	2.75	1.29
IDSP1	1.625	0.2
IDUA	2.186	9.36
IER2	2.05	45.73
IER3	5.457	0
IER3IP1	1.45	11.15
IER5	2.337	61.38
IER5L	1.224	0.14
IFI16	2.704	100.06
IFI27	0.652	3.36
IFI30	1.032	164.48
IFI35	1.164	37.05
IFI44	1.681	4.81
IFI44L	2.048	0.13
IFI6	1.012	22.05
IFIH1	3.421	2.93
IFIT1	3.344	0.37
IFIT1L	1.972	0.99
IFIT1P	0.713	0

IFIT2	3.046	1.66
IFIT3	2.505	0.47
IFIT5	3.914	1.85
IFITM1	0.855	394.38
IFITM2	0.904	553.5
IFITM3	0.808	676.6
IFITM4P	1.028	0
IFITM5	0.733	0
IFITM8P	0.399	0.21
IFLTD1	1.718	0
IFNA1	0.876	0
IFNA10	0.963	0
IFNA13	0.653	0
IFNA14	0.99	0
IFNA16	0.939	0
IFNA17	0.98	0
IFNA2	1.143	0
IFNA21	0.984	0
IFNA4	0.978	0
IFNA5	0.57	0
IFNA6	0.57	0
IFNA7	0.737	0
IFNA8	1.042	0
IFNAP22	0.57	0
IFNAR1	6.095	5.5
IFNAR2	3.178	8.62
IFNB1	0.84	0
IFNE1	1.475	0
IFNG	1.21	0.14
IFNGR1	2.059	8.59
IFNGR2	2.386	9.36
IFNK	1.14	0
IFNW1	1.514	0
IFNWP12	0.31	0
IFNWP19	1.359	0
IFP38	1.051	0
IFRD1	5.402	2.6
IFRD2	2.045	22.32
IFRG15	0.396	6.81
IFT122	4.348	4.41
IFT140	4.935	2.2
IFT172	5.36	5
IFT20	0.974	8.99
IFT52	1.675	9.86
IFT57	3.38	18.57
IFT74	1.995	1.1
IFT80	4.292	3.27
IFT81	4.781	0.67
IFT88	3.256	1.58
IGBP1	1.661	46.15

IGF1	7.236	0.01
IGF1R	4.99	1.22
IGF2	3.97	1.02
IGF2AS	2.061	0
IGF2BP1	8.769	0
IGF2BP2	3.671	18.84
IGF2BP3	8.318	2.65
IGF2R	9.091	16.79
IGFALS	2.056	0
IGFBP1	3.79	0
IGFBP2	1.43	0.36
IGFBP3	6.068	0.22
IGFBP4	2.236	126.28
IGFBP5	6.238	1.19
IGFBP6	0.966	0.08
IGFBP7	1.11	105.02
IGFBPL1	1.093	0
IGFL1	0.769	0
IGFL2	0.885	0
IGFL3	0.662	0
IGFL4	0.573	0
IGHA1	1.061	97.89
IGHA2	1.019	8.84
IGHD	1.154	8.91
IGHD1-1	0.1	0
IGHD1-14	0.1	0
IGHD1-20	0.1	0
IGHD1-26	0.1	0
IGHD1-7	0.1	0
IGHD2-15	0.1	0
IGHD2-2	0.1	0
IGHD2-21	0.1	0
IGHD2-8	0.1	0
IGHD3-10	0.1	0
IGHD3-16	0.1	0
IGHD3-22	0.1	0
IGHD3-3	0.1	0
IGHD3-9	0.1	0
IGHD4-11	0.1	0
IGHD4-17	0.1	0
IGHD4-23	0.1	0
IGHD4-4	0.1	0
IGHD5-12	0.1	0
IGHD5-18	0.1	0
IGHD5-24	0.1	0
IGHD5-5	0.1	0
IGHD6-13	0.1	0
IGHD6-19	0.1	0
IGHD6-25	0.1	0
IGHD6-6	0.1	0

IGHD7-27	0.1	0
IGHE	1.286	0.07
IGHEP1	1.951	0
IGHEP2	1.258	0.07
IGHG1	0.992	35.92
IGHG2	0.98	10.83
IGHG3	2.044	41.54
IGHG4	0.983	1.54
IGHGP	3.089	6.35
IGHJ1	0.1	0
IGHJ1P	0.1	0
IGHJ2	0.1	0.84
IGHJ2P	0.1	0
IGHJ3	0.1	0.84
IGHJ3P	0.1	1.68
IGHJ4	0.1	8.42
IGHJ5	0.1	4.22
IGHJ6	0.262	11.9
IGHM	2.074	194.55
IGHMBP2	3.891	3.2
IGHV1-12	0.495	0
IGHV1-14	0.25	0
IGHV1-17	0.789	0
IGHV1-18	0.353	0.24
IGHV1-2	0.353	0.71
IGHV1-24	0.353	1.19
IGHV1-3	0.353	0.95
IGHV1-45	0.353	0
IGHV1-46	0.353	1.19
IGHV1-58	0.353	0
IGHV1-67	0.797	0
IGHV1-68	0.871	0
IGHV1-69	0.353	3.1
IGHV1-8	0.353	0
IGHV1OR15-1	13.265	0.01
IGHV2-10	0.796	0
IGHV2-26	0.358	0.94
IGHV2-5	0.358	4.94
IGHV2-70	0.358	2.12
IGHV3-11	0.353	0.24
IGHV3-13	0.35	0.24
IGHV3-15	0.359	2.35
IGHV3-16	0.353	0
IGHV3-19	0.293	0.29
IGHV3-20	0.353	0.24
IGHV3-21	0.353	0.95
IGHV3-22	0.821	0.92
IGHV3-23	0.353	2.86
IGHV3-25	0.807	0
IGHV3-29	0.813	0.1

IGHV3-30	0.353	1.67
IGHV3-30-2	0.804	0
IGHV3-32	0.813	0.1
IGHV3-33	0.353	2.15
IGHV3-33-2	0.804	0
IGHV3-35	0.353	0.24
IGHV3-36	0.821	0
IGHV3-37	0.801	0
IGHV3-38	0.347	0
IGHV3-41	0.807	0
IGHV3-42	0.767	0
IGHV3-43	0.355	0.71
IGHV3-47	0.81	0
IGHV3-48	0.353	0.95
IGHV3-49	0.359	0.23
IGHV3-50	0.81	0
IGHV3-52	0.804	0.1
IGHV3-53	0.35	1.68
IGHV3-54	0.803	0
IGHV3-57	0.306	0
IGHV3-6	0.807	0.1
IGHV3-60	0.811	0
IGHV3-62	0.809	0.1
IGHV3-63	0.833	0.2
IGHV3-64	0.353	1.19
IGHV3-65	0.894	0
IGHV3-66	0.35	1.2
IGHV3-7	0.353	1.19
IGHV3-71	0.821	13.96
IGHV3-72	0.359	0.24
IGHV3-73	0.359	0.23
IGHV3-74	0.353	3.34
IGHV3-75	0.836	0
IGHV3-76	0.799	0
IGHV3-79	0.812	0.1
IGHV3-9	0.355	0
IGHV4-28	0.353	0.71
IGHV4-31	0.356	0.24
IGHV4-34	0.35	2.65
IGHV4-39	0.356	4.02
IGHV4-4	0.35	1.45
IGHV4-55	0.789	0
IGHV4-59	0.35	57.28
IGHV4-61	0.356	2.84
IGHV4-80	0.719	0
IGHV5-51	0.353	3.58
IGHV5-78	0.787	0.75
IGHV6-1	0.365	2.54
IGHV7-27	0.744	0
IGHV7-34-1	0.784	0

IGHV7-40	0.203	0
IGHV7-56	0.786	0
IGHV7-81	0.353	0.24
IGHVII-1-1	0.452	0
IGHVII-15-1	0.271	0
IGHVII-20-1	0.501	0
IGHVII-22-1	0.269	0
IGHVII-26-2	0.313	0
IGHVII-28-1	0.253	0
IGHVII-30-1	0.274	0
IGHVII-31-1	0.103	0
IGHVII-33-1	0.274	0
IGHVII-40-1	0.1	0
IGHVII-43-1	0.209	0
IGHVII-44-2	0.237	0
IGHVII-46-1	0.493	0
IGHVII-49-1	0.271	0
IGHVII-51-2	0.263	0
IGHVII-53-1	0.27	0
IGHVII-60-1	0.269	0.63
IGHVII-62-1	0.273	0
IGHVII-65-1	0.273	0.31
IGHVII-67-1	0.15	0
IGHVII-74-1	0.169	0
IGHVII-78-1	0.275	0
IGHVIII-11-1	0.187	0
IGHVIII-13-1	0.299	0
IGHVIII-16-1	0.305	0
IGHVIII-2-1	0.302	0
IGHVIII-22-2	0.274	0
IGHVIII-25-1	0.242	0
IGHVIII-26-1	0.307	0
IGHVIII-38-1	0.293	0
IGHVIII-44	0.255	0
IGHVIII-47-1	0.304	0
IGHVIII-5-1	0.1	0
IGHVIII-51-1	0.307	0
IGHVIII-5-2	0.261	0
IGHVIII-67-2	0.1	0
IGHVIII-67-3	0.275	0
IGHVIII-67-4	0.306	0
IGHVIII-76-1	0.307	0
IGHVIII-82	0.292	0
IGHVIV-44-1	0.775	0
IGJ	0.899	1061.99
IGK@	0.1	0
IGKC	0.323	200.29
IGKDEL	0.1	0
IGKJ1	0.1	5.06
IGKJ2	0.1	2.52

IGKJ3	0.1	2.52
IGKJ4	0.1	0.84
IGKJ5	0.1	5.9
IGKV1-12	0.351	1.44
IGKV1-13	0.351	0
IGKV1-16	0.351	1.44
IGKV1-17	0.351	1.44
IGKV1-22	0.823	0
IGKV1-27	0.351	0.48
IGKV1-32	0.832	0
IGKV1-33	0.351	4.8
IGKV1-35	0.826	0
IGKV1-37	0.351	0.24
IGKV1-39	0.351	7.2
IGKV1-5	0.351	8.64
IGKV1-6	0.351	0.72
IGKV1-8	0.345	0
IGKV1-9	0.351	2.64
IGKV1D-12	0.351	0.72
IGKV1D-13	0.351	0.96
IGKV1D-16	0.351	0
IGKV1D-17	0.351	0
IGKV1D-22	0.823	0
IGKV1D-27	0.828	0
IGKV1D-32	0.832	0
IGKV1D-33	0.351	3.6
IGKV1D-35	0.826	0
IGKV1D-42	0.351	0
IGKV1D-43	0.351	0
IGKV1D-8	0.351	0
IGKV2-10	1.055	0
IGKV2-14	1.127	0
IGKV2-18	1.137	0
IGKV2-19	0.267	0
IGKV2-23	0.988	0
IGKV2-24	0.36	4.68
IGKV2-26	1.117	0
IGKV2-28	0.36	5.85
IGKV2-29	1.087	0.08
IGKV2-30	0.36	1.87
IGKV2-36	0.234	0
IGKV2-38	0.24	0
IGKV2-4	1.088	0
IGKV2-40	0.314	1.34
IGKV2D-10	1.127	0
IGKV2D-14	1.127	0
IGKV2D-18	1.137	0
IGKV2D-19	0.267	0
IGKV2D-23	1.569	0
IGKV2D-24	0.36	0.7

IGKV2D-26	1.115	0
IGKV2D-28	0.359	0.94
IGKV2D-29	0.362	0.23
IGKV2D-30	0.36	0.94
IGKV2D-36	0.234	0
IGKV3-11	0.345	5.86
IGKV3-15	0.345	3.66
IGKV3-20	0.348	9.44
IGKV3-25	2.108	0
IGKV3-31	0.871	0
IGKV3-34	0.881	0
IGKV3-7	0.348	0
IGKV3D-11	0.345	1.47
IGKV3D-15	0.345	2.69
IGKV3D-20	0.348	1.21
IGKV3D-25	2.081	0
IGKV3D-31	0.881	0
IGKV3D-34	0.881	0
IGKV3D-7	0.357	0
IGKV4-1	0.363	8.12
IGKV5-2	0.345	0.73
IGKV6-21	0.342	0
IGKV6D-21	0.342	0
IGKV6D-41	0.347	0
IGKV7-3	0.956	0.18
IGL@	0.81	18.1
IGLC1	0.318	29.4
IGLC2	0.318	65.17
IGLC3	0.318	29.93
IGLC4	0.253	0
IGLC5	0.309	0.27
IGLC6	0.324	0.52
IGLC7	0.318	18.27
IGLJ1	0.1	0.84
IGLJ2	0.1	0.84
IGLJ3	0.1	3.37
IGLJ4	0.1	0
IGLJ5	0.1	0
IGLJ6	0.1	0
IGLJ7	0.1	0
IGLJCOR18	0.432	0
IGLL1	1.362	34.26
IGLV10-54	0.296	0.57
IGLV10-67	0.295	0
IGLV11-55	0.312	0
IGLV1-36	0.296	0
IGLV1-40	0.299	2.25
IGLV1-41	0.296	0
IGLV1-44	0.296	2.85
IGLV1-47	0.296	0.85

IGLV1-50	0.299	0.28
IGLV1-51	0.296	5.12
IGLV1-62	0.298	0
IGLV2-11	0.297	1.7
IGLV2-14	0.297	3.68
IGLV2-18	0.297	1.42
IGLV2-23	0.297	9.65
IGLV2-28	0.285	0
IGLV2-33	0.297	0
IGLV2-34	0.297	0.28
IGLV2-5	0.298	1.41
IGLV2-8	0.297	4.54
IGLV3-1	0.285	8.57
IGLV3-10	0.29	1.45
IGLV3-12	0.29	0.58
IGLV3-13	0.284	0
IGLV3-15	0.285	0
IGLV3-16	0.29	0.88
IGLV3-17	0.281	0
IGLV3-19	0.29	4.07
IGLV3-2	0.284	0
IGLV3-21	0.29	3.78
IGLV3-22	0.284	0
IGLV3-24	0.284	0
IGLV3-25	0.29	6.1
IGLV3-26	0.289	0
IGLV3-27	0.284	0
IGLV3-29	0.28	0
IGLV3-30	0.295	0
IGLV3-31	0.29	0
IGLV3-32	0.29	0
IGLV3-4	0.28	0
IGLV3-6	0.284	0
IGLV3-7	0.288	0
IGLV3-9	0.285	0.59
IGLV4-3	0.312	0
IGLV4-60	0.299	0
IGLV4-69	0.299	6.2
IGLV5-37	0.312	1.08
IGLV5-45	0.312	9.72
IGLV5-48	0.312	8.64
IGLV5-52	0.317	7.97
IGLV6-57	0.296	3.42
IGLV7-35	0.295	0
IGLV7-43	0.294	0.57
IGLV7-46	0.294	4.58
IGLV8-61	0.296	1.99
IGLV9-49	0.315	0.26
IGLVI-20	0.286	0
IGLVI-38	0.291	0

IGLVI-42	0.291	0
IGLVI-56	0.296	0
IGLVI-63	0.297	0
IGLVI-68	0.293	0
IGLVI-70	0.293	0.58
IGLVIV-53	0.313	0
IGLVIV-59	0.324	0
IGLVIV-64	0.319	0
IGLVIV-65	0.307	0
IGLVIV-66-1	0.316	0
IGLVV-58	0.308	0
IGLVV-66	0.303	0
IGLVVI-22-1	0.29	0
IGLVVI-25-1	0.3	0
IGLVVII-41-1	0.299	0
IGSF1	5.735	0
IGSF10	7.872	0.03
IGSF11	3.863	0.03
IGSF2	3.324	0.05
IGSF21	1.943	0.04
IGSF22	3.935	0.2
IGSF3	7.253	0.12
IGSF6	1.028	0.33
IGSF8	2.28	12.56
IGSF9	3.994	0.27
IGSF9B	7.298	0.03
IHH	1.236	0
IHPK1	4.65	12.61
IHPK2	3.642	19.41
IHPK3	2.614	0
IK	1.784	65.54
IKBKAP	5.902	5.28
IKBKB	3.916	13.01
IKBKE	3.263	2.91
IKBKG	2.103	10.37
IKIP	4.796	5.02
IKZF1	10.039	52.67
IKZF2	2.49	0.41
IKZF3	4.694	11.91
IKZF4	4.396	4
IKZF5	2.9	2.67
IL10	1.629	1.39
IL10RA	3.649	11.54
IL10RB	1.935	12.84
IL11	2.354	0.07
IL11RA	2.039	3.06
IL12A	1.437	0.47
IL12B	2.347	0.21
IL12RB1	2.872	2.91
IL12RB2	4.04	0.08

IL13	1.282	0
IL13RA1	4.006	7.32
IL13RA2	1.373	0
IL15	2.093	0.08
IL15RA	2.208	4.23
IL16	14.09	10.02
IL17A	1.859	0
IL17B	0.695	1.33
IL17C	1.045	0
IL17D	1.861	0.72
IL17F	0.808	0
IL17RA	3.429	1.87
IL17RB	4.303	0.27
IL17RC	2.736	7.88
IL17RD	4.455	0
IL17RE	5.878	2.65
IL18	1.145	3.38
IL18BP	2.452	23.22
IL18R1	3.522	0.14
IL18RAP	2.668	0.09
IL19	2.471	0
IL1A	2.928	0
IL1B	1.498	13.72
IL1F10	1.441	0
IL1F5	2.802	0
IL1F6	0.477	0
IL1F7	0.839	0.1
IL1F8	1.739	0
IL1F9	1.18	0
IL1R1	4.907	0.1
IL1R2	1.577	0
IL1RAP	5.662	0.89
IL1RAPL1	3.624	0
IL1RAPL2	2.985	0
IL1RL1	3.593	0
IL1RL2	1.964	0
IL1RN	2.353	0.25
IL2	1.029	0
IL20	1.234	0
IL20RA	3.682	0
IL21	0.616	0
IL21R	4.269	11.17
IL22	1.147	0
IL22RA1	2.798	0.03
IL22RA2	4.851	0
IL23A	1.042	0.25
IL23R	2.826	0.03
IL24	2.05	3.49
IL25	1.755	0
IL26	1.047	0

IL27	1.044	0
IL27RA	3.258	6.82
IL28A	0.734	0
IL28B	0.595	0
IL28RA	8.959	0.87
IL29	0.856	0
IL2RA	2.306	22.54
IL2RB	4.045	1.5
IL2RG	1.451	218.05
IL3	0.924	0
IL31	0.904	0
IL31RA	2.315	0
IL32	1.527	6.45
IL33	2.644	0
IL3RA	1.71	40
IL4	0.921	0
IL4I1	2.406	2.45
IL4R	3.862	42.88
IL5	0.816	0
IL5RA	3.005	0
IL6	2.25	0
IL6R	7.62	4.01
IL6ST	4.393	2.01
IL6STP	13.085	0.07
IL7	2.078	0
IL7R	2.295	7.01
IL8	1.653	0
IL8RA	2.486	0.14
IL8RB	2.859	0.24
IL8RBP	2.136	0.39
IL9	0.591	0
IL9R	7.78	0.04
IL9RP4	7.117	0
ILD1R1	2.659	0.03
ILF2	1.612	95
ILF3	8.692	38.62
ILK	2.14	35.55
ILKAP	2.424	7.61
ILVBL	2.786	19.05
IMAA	2.552	0.27
IMM1P1L	0.795	5.72
IMM2P2L	3.038	1.14
IMMT	2.697	30.57
IMMTP	2.823	1.7
IMP3	1.16	41.25
IMP4	1.36	41.81
IMP5	2.055	0
IMPA1	2.322	2.4
IMPA2	1.5	3.88
IMPACT	3.683	5.03

IMPAD1	2.6	4.08
IMPDH1	7.392	6.93
IMPDH2	1.695	198.64
IMPG1	3.268	0
IMPG2	4.454	0
INA	3.226	0
INADL	6.468	0
INCA	0.466	10.84
INCA1	1.383	2.01
INCENP	3.521	10.98
INDO	1.572	0
INDOL1	1.029	0
INE1	0.941	0.71
INE2	1.874	0.72
ING1	5.121	3.6
ING2	1.116	7.33
ING3	6.05	1.99
ING4	1.699	21.52
ING5	5.198	3.13
INGX	0.771	0.33
INHA	1.423	0
INHBA	4.35	0.06
INHBB	3.514	0.58
INHBC	1.99	0
INHBE	2.437	0
INMT	5.122	0.07
INOC1	6.227	11.97
INPP1	1.692	4.88
INPP4A	3.746	3.58
INPP4B	3.659	15.26
INPP5A	3.078	3.48
INPP5B	3.979	9.23
INPP5D	3.633	52.01
INPP5E	3.376	4.89
INPP5F	5.61	1.96
INPPL1	4.733	31.79
INS	0.45	0
INSC	1.807	0.37
INSIG1	14.232	1.24
INSIG2	2.583	3.1
INSL3	0.742	2.73
INSL4	0.615	0
INSL5	0.715	0
INSL6	0.708	0
INSM1	2.829	0
INSM2	3.013	0
INSR	8.541	20.69
INSRR	4.147	0
INTS1	15.165	7.53
INTS10	2.537	14.08

INTS12	1.701	7.92
INTS2	5.878	0.9
INTS3	4.813	56.6
INTS4	3.149	3.8
INTS5	3.285	13.36
INTS6	9.389	2.72
INTS7	3.462	3.14
INTS8	3.373	9.97
INTU	3.238	0
INVS	4.088	2.85
IPMK	1.797	0.52
IPO11	5.169	8.67
IPO13	3.593	10.41
IPO4	3.6	13.32
IPO7	4.077	21.68
IPO8	5.156	6.96
IPO9	3.676	10.75
IPP	3.053	0.41
IPPK	4.401	1.55
IPW	0.1	0
IQCA	3.188	0
IQCB1	2.766	6.79
IQCC	2.017	1.71
IQCD	1.35	0.37
IQCE	6.032	0.96
IQCF1	0.695	0
IQCF2	0.587	0
IQCF3	1.687	0
IQCG	3.021	4.38
IQCH	4.823	0.05
IQCK	2.554	0.7
IQGAP1	7.21	22.55
IQGAP2	5.767	6.08
IQGAP3	6.052	4.05
IQSEC1	5.801	9.8
IQSEC2	5.792	3.3
IQSEC3	2.699	0.03
IQUB	5.112	0
IQWD1	3.293	6.85
IRAK1	3.872	37.16
IRAK1BP1	1.157	0.94
IRAK2	3.469	1.24
IRAK3	2.288	1.18
IRAK4	2.813	3.71
IREB2	4.405	6.92
IRF1	2.526	69.6
IRF2	2.224	31.33
IRF2BP1	2.511	16.6
IRF2BP2	3.675	77.15
IRF3	1.595	51.34

IRF4	5.056	1.68
IRF5	6.302	1.08
IRF6	2.17	0
IRF7	2.59	16.39
IRF8	2.662	125.94
IRGC	1.586	0
IRGM	0.546	4.63
IRGQ	2.21	2.13
IRS1	5.8	2.01
IRS2	6.998	2.81
IRS3L	9.347	3.67
IRS4	3.94	0.03
IRX1	1.858	0
IRX1P1	8.386	0
IRX2	2.456	0
IRX3	2.308	12.55
IRX4	2.213	0
IRX5	2.064	0.08
IRX6	2.329	0
ISCA1	2.004	6.64
ISCA2	0.942	11.63
ISCU	1.198	36.43
ISG15	0.634	19.93
ISG20	0.956	14.28
ISG20L1	3.054	11.91
ISG20L2	2.051	8.42
ISGF3G	1.678	12.15
ISL1	2.396	0
ISL2	1.798	0.05
ISLR	2.385	17.27
ISLR2	4.184	0.24
ISOC1	2.054	4.1
ISOC2	1.122	21.24
ISX	3.383	0
ISY1	1.758	16.39
ISYNA1	1.825	0.65
ITCH	6.357	4.84
ITFG1	2.234	12.25
ITFG2	2.155	14.19
ITFG3	2.921	18.29
ITGA1	4.796	0.02
ITGA10	5.17	0.46
ITGA11	6.334	1.44
ITGA2	5.349	0.39
ITGA2B	3.334	0.13
ITGA3	6.002	0.04
ITGA4	6.362	26.9
ITGA5	4.25	44.73
ITGA6	5.578	168.62
ITGA7	4.065	0.27

ITGA8	3.261	0
ITGA9	3.962	1.47
ITGAD	3.912	0.04
ITGAE	4.132	2.2
ITGAL	5.121	15.4
ITGAM	4.742	1.28
ITGAV	7.022	0.38
ITGAX	4.649	0.16
ITGB1	5.494	44.11
ITGB1BP1	1.423	16.75
ITGB1BP2	1.235	0.68
ITGB1BP3	1.244	0
ITGB2	2.868	84.32
ITGB3	4.894	0
ITGB3BP	0.879	6.52
ITGB4	6.086	0.31
ITGB4BP	2.074	46.95
ITGB5	3.372	1.33
ITGB6	2.397	0
ITGB7	2.771	46.24
ITGB8	17.553	0
ITGBL1	2.494	0
ITIH1	2.911	0
ITIH2	3.189	0
ITIH3	2.797	0.6
ITIH4	3.26	1.09
ITIH5	7.384	0.03
ITIH5L	4.684	0
ITK	4.366	0.06
ITLN1	1.182	0
ITLN2	1.15	0
ITM2A	1.832	0.42
ITM2B	1.859	145.59
ITM2C	2.073	67.82
ITPA	1.14	23.28
ITPK1	3.197	10.01
ITPKA	1.773	0.48
ITPKB	5.858	4.36
ITPKC	3.385	3.24
ITPR1	9.505	6.2
ITPR2	10.523	1.89
ITPR3	8.834	5.76
ITSN1	7.951	1.81
ITSN2	7.594	4.64
IVD	3.376	12.77
IVL	2.135	0
IVNS1ABP	6.241	6.67
IWS1	2.95	14.22
IXL	3.567	12.24
IYD	7.401	0

IZUMO1	1.621	0.15
JAG1	5.881	0.04
JAG2	5.077	1.71
JAGN1	1.655	19.85
JAK1	3.541	32.76
JAK2	5.097	2.15
JAK3	4.025	6.09
JAKMIP1	2.549	0.03
JAKMIP2	3.338	0
JAM2	1.693	0
JAM3	3.667	0.53
JARID1A	6.457	7.38
JARID1B	6.383	6.97
JARID1C	5.912	20.46
JARID1D	5.487	12.62
JARID2	5.756	5.58
JAZF1	6.4	0.43
JDP2	1.696	26.72
JMJD1A	4.718	7.32
JMJD1B	6.813	13.49
JMJD1C	8.396	6.66
JMJD2A	4.417	16
JMJD2B	5.593	21.55
JMJD2C	4.227	6.18
JMJD2D	2.974	0.76
JMJD3	6.704	4.21
JMJD4	2.55	12.06
JMJD5	2.416	2.09
JMJD6	1.848	9.53
JMY	2.677	2.07
JOSD1	3.504	17.89
JOSD2	0.769	10.3
JOSD3	2.286	13.75
JPH1	4.373	0.75
JPH2	5.941	1.21
JPH3	3.997	0.06
JPH4	4.386	6.63
JRK	3.98	1.29
JRKL	2.914	2.63
JSRP1	1.107	0.08
JTB	1.574	46.67
JTV1	2.943	8.87
JUB	4.946	1.27
JUN	3.323	46.11
JUNB	1.816	29.5
JUND	1.899	190.96
JUP	4.323	138.69
KAAG1	1.382	0
KAL1	6.314	0.03
KALP	0.184	0

KALRN	12.55	0.51
KARCA1	2.485	0.27
KARS	1.997	68.37
KATNA1	1.521	6.65
KATNAL1	7.601	1.68
KATNAL2	1.882	1.25
KATNB1	2.646	12
KAZALD1	3.398	11.38
KBTBD10	2.464	0.03
KBTBD11	6.71	1.1
KBTBD2	7.216	4.6
KBTBD3	3.952	0.11
KBTBD4	3.436	19.64
KBTBD5	2.419	0
KBTBD6	5.228	0.69
KBTBD7	2.992	0.9
KBTBD8	4.617	0.42
KC6	1.713	0
KCMF1	2.39	12.97
KCNA1	1.488	0
KCNA10	1.959	0
KCNA2	2.125	0
KCNA3	3.346	0.08
KCNA4	3.613	0
KCNA5	3.693	38.52
KCNA6	4.237	0.35
KCNA7	4.372	0
KCNAB1	6.73	0.05
KCNAB2	3.89	19.71
KCNAB3	1.608	0.31
KCNB1	3.756	0
KCNB2	3.582	0
KCNC1	1.546	0
KCNC2	3.654	0
KCNC3	3.99	2.6
KCNC4	5.954	0.42
KCND1	4.72	0.99
KCND2	10.666	0
KCND3	2.693	0
KCNE1	3.57	0
KCNE1L	1.465	0.17
KCNE2	0.803	0.42
KCNE3	2.519	13.31
KCNE4	1.17	0
KCNF1	2.289	0.03
KCNG1	4.096	0
KCNG2	1.401	4.15
KCNG3	4.456	0
KCNG4	3.759	0
KCNH1	3.601	0

KCNH2	10.67	0.43
KCNH3	3.853	0.04
KCNH4	3.92	0
KCNH5	5.196	0
KCNH6	3.881	0.03
KCNH7	4.514	0
KCNH8	5.063	0
KCNIP1	2.127	7.37
KCNIP2	4.472	0.15
KCNIP3	3.017	0
KCNIP4	2.925	0
KCNJ1	4.109	0
KCNJ10	4.44	0.08
KCNJ11	3.412	0
KCNJ12	1.796	0.42
KCNJ13	2.947	0
KCNJ14	3.525	0.62
KCNJ15	3.156	0.03
KCNJ16	4.409	0.02
KCNJ2	5.388	0
KCNJ3	2.89	0
KCNJ4	2.121	0.31
KCNJ5	2.912	0.03
KCNJ6	3.739	3.83
KCNJ8	2.381	0.1
KCNJ9	3.029	0
KCNK1	1.887	0
KCNK10	3.139	0.03
KCNK12	2.05	46.59
KCNK13	2.517	0
KCNK15	1.246	0
KCNK16	1.226	0
KCNK17	1.52	0.28
KCNK18	1.155	0
KCNK2	3.695	0
KCNK3	2.592	1.59
KCNK4	1.81	0
KCNK5	3.783	0.07
KCNK6	2.662	1.67
KCNK7	3.346	0.03
KCNK9	1.303	0
KCNMA1	14.632	0.04
KCNMB1	1.517	5.11
KCNMB2	2.775	0
KCNMB3	3.904	0.86
KCNMB3L	1.94	0.22
KCNMB4	1.631	0.2
KCNN1	2.657	0.13
KCNN2	3.057	0
KCNN3	5.946	12.68

KCNN4	2.24	11.43
KCNQ1	3.762	0.04
KCNQ1DN	1.093	0
KCNQ1OT1	0.592	0
KCNQ2	4.169	0
KCNQ3	3.097	0.16
KCNQ4	2.335	0.03
KCNQ5	3.325	0
KCNRG	2.334	0.58
KCNS1	4.539	0.02
KCNS2	3.168	0
KCNS3	2.33	6.36
KCNT1	4.823	0.03
KCNT2	5.909	0
KCNV1	2.929	0
KCNV2	1.882	0.04
KCTD1	1.747	0.97
KCTD10	3.97	9.93
KCTD11	2.78	0.94
KCTD12	6.214	0.53
KCTD13	1.711	11.57
KCTD14	1.637	0.05
KCTD15	3.53	3.94
KCTD16	5.183	0
KCTD17	1.854	7.45
KCTD18	2.94	6.79
KCTD2	3.698	5.97
KCTD20	5.018	13.66
KCTD21	3.381	1.27
KCTD3	3.931	14.17
KCTD4	1.865	0
KCTD5	2.46	21.78
KCTD6	1.825	1.34
KCTD7	5.15	1.42
KCTD8	2.24	0
KCTD9	3.338	1.31
KDELC1	2.06	1.51
KDELC2	4.255	2.91
KDELR1	1.557	73.79
KDELR2	2.306	24.73
KDELR3	2.127	4.63
KDR	5.832	0.02
KEAP1	2.701	28.6
KEL	5.095	0.4
KERA	2.533	0
KGFLP1	1.89	0.04
KGFLP2	3.666	0.02
KHDRBS1	2.685	47.03
KHDRBS2	2.332	0
KHDRBS3	1.957	67.11

KHK	2.027	0.71
KHSRP	4.009	61.69
KIAA0020	2.112	8.62
KIAA0040	4.564	12.29
KIAA0082	4.018	13.48
KIAA0090	4.238	10.32
KIAA0100	7.431	35.04
KIAA0101	2.586	3.85
KIAA0125	7.899	0.01
KIAA0133	5.613	2.18
KIAA0141	3.039	15.99
KIAA0143	5.132	4.86
KIAA0146	3.22	7.04
KIAA0152	6.349	20.55
KIAA0157	2.951	4.31
KIAA0174	2.349	49.35
KIAA0179	5.087	11.01
KIAA0182	7.395	2.01
KIAA0195	4.985	17.25
KIAA0196	3.911	7.54
KIAA0226	7.009	5.66
KIAA0232	7.84	2.32
KIAA0240	6.515	2.98
KIAA0241	4.88	1.84
KIAA0247	5.39	8.81
KIAA0251	4.495	9.5
KIAA0256	6.779	4.03
KIAA0258	1.296	4.22
KIAA0265	8.942	1.24
KIAA0274	3.061	3.42
KIAA0284	6.549	0.15
KIAA0286	5.37	3.5
KIAA0310	9.036	10.87
KIAA0317	5.445	7.03
KIAA0319	6.805	0
KIAA0319L	7.376	4.13
KIAA0323	6.479	14.45
KIAA0329	8.607	1.12
KIAA0350	6.786	6.42
KIAA0355	6.622	1.56
KIAA0363	10.771	0.05
KIAA0367	11.705	2.35
KIAA0368	7.391	8.01
KIAA0372	5.164	11.07
KIAA0391	2.611	10.22
KIAA0404	6.299	6.31
KIAA0406	3.914	7.51
KIAA0408	6.449	0
KIAA0409	1.674	11.17
KIAA0415	5.78	6.73

KIAA0423	6.242	1.22
KIAA0427	5.736	3.27
KIAA0430	7.728	8.12
KIAA0460	5.526	12.35
KIAA0467	10.217	4.29
KIAA0492	6.259	0.07
KIAA0494	5.765	12.64
KIAA0495	4.033	1.74
KIAA0513	7.361	3.6
KIAA0523	5.821	0
KIAA0528	4.408	3.02
KIAA0556	6.618	1.84
KIAA0562	5.846	4.67
KIAA0586	4.966	3.17
KIAA0644	9.917	0.24
KIAA0649	4.932	0
KIAA0652	4.012	16.23
KIAA0664	5.224	11.91
KIAA0672	4.228	0.88
KIAA0692	4.064	22.2
KIAA0701	5.437	1.27
KIAA0737	4.524	18.55
KIAA0738	8.152	1.29
KIAA0746	4.383	85.68
KIAA0748	3.673	5.41
KIAA0753	4.424	2.17
KIAA0754	6.171	0.56
KIAA0773	18.486	0
KIAA0774	6.327	5.63
KIAA0776	4.191	3.52
KIAA0789	4.636	0
KIAA0802	5.771	4.75
KIAA0828	10.386	4.15
KIAA0831	4.742	1.88
KIAA0841	4.004	10.1
KIAA0859	4.834	10.55
KIAA0892	4.146	13.55
KIAA0895	8.31	0.01
KIAA0907	2.945	7.67
KIAA0913	4.248	20.05
KIAA0922	4.966	4.21
KIAA0947	8.577	3.77
KIAA0953	4.218	0.04
KIAA0984	8.019	0.06
KIAA0999	6.069	5.4
KIAA1005	5.297	0.67
KIAA1009	5.051	1.05
KIAA1012	5.465	5.64
KIAA1024	6.717	0.03
KIAA1026	2.891	0.38

KIAA1033	5.808	6.34
KIAA1045	6.191	0
KIAA1086	4.768	0
KIAA1109	15.575	1.58
KIAA1128	7.676	2.91
KIAA1143	0.832	4.05
KIAA1147	14.592	3.29
KIAA1155	6.208	0.49
KIAA1161	4.171	0.1
KIAA1166	2.156	11.1
KIAA1189	4.21	0.06
KIAA1191	2.786	14.06
KIAA1199	7.08	0.57
KIAA1212	9.638	4.12
KIAA1217	7.381	0.06
KIAA1219	8.636	3.92
KIAA1239	7.477	0
KIAA1244	8.658	0
KIAA1257	6.094	0
KIAA1267	4.965	13.93
KIAA1274	4.568	25.96
KIAA1276	4.236	0.6
KIAA1279	2.528	1.96
KIAA1303	10.237	17.11
KIAA1305	7.857	4.59
KIAA1324	3.398	0.05
KIAA1324L	6.56	0.02
KIAA1328	4.854	0.92
KIAA1333	5.533	0.7
KIAA1344	4.552	1
KIAA1345	4.89	0.17
KIAA1370	3.863	2.79
KIAA1377	7.033	0
KIAA1383	5.455	2.23
KIAA1394	5.067	0.43
KIAA1407	3.976	0.68
KIAA1409	8.471	0.03
KIAA1411	5.282	0.88
KIAA1429	6.538	7.32
KIAA1430	3.379	4.69
KIAA1432	4.307	6.55
KIAA1446	2.673	0
KIAA1456	5.752	0
KIAA1462	13.553	1.9
KIAA1467	4.711	3.42
KIAA1468	3.396	2.35
KIAA1486	4.828	0
KIAA1505	6.666	0.16
KIAA1509	7.497	6.59
KIAA1522	5.294	1.26

KIAA1524	3.378	1.6
KIAA1529	6.269	0.02
KIAA1530	4.56	2.25
KIAA1539	3.028	4.9
KIAA1542	5.521	10.57
KIAA1543	4.084	0.04
KIAA1545	4.471	18.64
KIAA1546	9.233	0.52
KIAA1549	13.602	0.03
KIAA1553	6.01	0.7
KIAA1571	10.162	0
KIAA1576	3.769	2.69
KIAA1586	2.868	1.2
KIAA1598	3.415	0
KIAA1600	5.321	2.72
KIAA1604	3.145	4.74
KIAA1609	3.895	1.84
KIAA1614	6.999	0.17
KIAA1618	5.318	2.64
KIAA1622	4.322	0
KIAA1627	2.12	3.49
KIAA1632	12.698	2.44
KIAA1639	5.337	0.31
KIAA1641	2.405	0.91
KIAA1644	6.741	0
KIAA1666	6.105	0.06
KIAA1683	3.757	1.75
KIAA1688	5.146	0.02
KIAA1704	1.574	7.55
KIAA1706	9.374	0.96
KIAA1712	4.503	0.95
KIAA1715	5.765	2.19
KIAA1718	18.356	0.52
KIAA1727	6.47	0.17
KIAA1729	6.936	1.37
KIAA1737	4.348	3.66
KIAA1751	4.71	0
KIAA1754	4.364	8.11
KIAA1754L	4.213	2.58
KIAA1772	4.949	0
KIAA1787	5.357	6.86
KIAA1794	4.72	9.23
KIAA1797	6.095	0.54
KIAA1799	2.106	4.08
KIAA1804	4.666	0
KIAA1815	5.341	4.26
KIAA1822	2.238	0
KIAA1822L	2.504	0.03
KIAA1826	4.087	1.44
KIAA1833	3.808	0.6

KIAA1840	7.788	7.37
KIAA1841	3.116	0.71
KIAA1853	8.382	0
KIAA1856	10.622	2.29
KIAA1875	5.187	0.32
KIAA1881	6.353	0.08
KIAA1909	11.507	0.9
KIAA1913	5.023	1.33
KIAA1919	2.079	1.38
KIAA1920	8.555	0
KIAA1922	1.248	1.49
KIAA1946	3.557	0.28
KIAA1949	10.736	1.63
KIAA1957	3.24	0.15
KIAA1958	2.683	0.82
KIAA1967	4.079	31.51
KIAA1975	3.182	0
KIAA1984	1.704	1.09
KIAA2002	11.249	1.35
KIAA2013	2.632	24.48
KIAA2018	8.636	2.12
KIAA2026	4.673	3.82
KIDINS220	7.263	9.21
KIF11	4.91	6.6
KIF12	2.003	0
KIF13A	5.852	0.02
KIF13B	10.203	3.73
KIF14	6.595	1.2
KIF15	4.758	3.17
KIF17	3.969	0.61
KIF18A	3.361	1.35
KIF19	2.094	0.12
KIF1A	8.816	0.02
KIF1B	14.126	1.61
KIF1C	4.188	10.66
KIF20A	2.961	8.7
KIF21A	6.328	0.09
KIF21B	9.895	0.82
KIF22	2.096	19.81
KIF23	3.618	4.91
KIF25	1.51	0
KIF26A	7.237	3.06
KIF26B	8.365	0
KIF27	4.653	0.56
KIF2A	2.872	6.92
KIF2B	2.312	0
KIF2C	2.797	11.32
KIF3A	6.257	0.95
KIF3B	6.103	2.74
KIF3C	5.379	11.18

KIF4A	4.348	4.03
KIF5A	3.897	0
KIF5B	4.27	12.78
KIF5C	0.704	0
KIF6	2.917	0
KIF7	3.121	1.19
KIF9	3.403	1.85
KIFAP3	2.997	5.37
KIFC1	4.708	11.4
KIFC2	3.248	2.96
KIFC3	3.366	8.48
KIN	1.906	2.57
KIR2DL1	1.583	0
KIR2DL2	1.572	0
KIR2DL3	1.896	0
KIR2DL4	1.581	0
KIR2DL5A	1.596	0
KIR2DL5B	1.632	0
KIR2DP1	4.557	0
KIR2DS1	1.101	0
KIR2DS2	1.557	0
KIR2DS3	1.113	0
KIR2DS4	2.246	0
KIR2DS5	1.457	0
KIR3DL1	1.861	0.14
KIR3DL2	1.854	0
KIR3DL3	1.691	0
KIR3DP1	0.1	0
KIR3DX1	11.432	0.01
KIRREL	5.229	6.4
KIRREL2	3.133	0.21
KIRREL3	2.495	0
KISS1	0.709	0
KISS1R	1.607	0
KIT	5.084	0.05
KITLG	5.435	0
KL	8.714	0
KLB	3.279	0
KLC1	4.644	15.94
KLC2	2.916	8.15
KLC3	1.793	1.41
KLC4	3.555	7.01
KLF1	1.615	3.08
KLF10	4.575	35.46
KLF11	4.03	5.17
KLF12	11.614	0.68
KLF13	6.8	19.25
KLF14	2.767	0
KLF15	2.525	0.24
KLF16	2.887	21.51

KLF17	3.131	0
KLF2	1.996	85.04
KLF3	3.083	7.21
KLF4	2.639	13.98
KLF5	3.35	0.28
KLF6	4.43	87.62
KLF7	1.639	2.82
KLF8	2.544	0.89
KLF9	5.208	4.89
KLHDC1	2.627	0.48
KLHDC2	1.806	16.32
KLHDC3	1.879	75.36
KLHDC4	1.874	10.15
KLHDC5	6.469	3.25
KLHDC6	4.121	0
KLHDC7A	2.434	0
KLHDC7B	2.082	0.08
KLHDC8A	2.5	0.03
KLHDC8B	1.935	1.27
KLHL1	3.984	0
KLHL10	1.969	0.13
KLHL11	2.326	0.69
KLHL12	3.338	7.59
KLHL13	3.125	0
KLHL14	4.261	0.08
KLHL15	2.146	2.67
KLHL17	2.56	1.22
KLHL18	4.616	3.5
KLHL2	3.11	13.92
KLHL20	3.464	3.72
KLHL21	4.487	5.65
KLHL22	2.568	11.02
KLHL23	2.211	0.69
KLHL24	7.331	2.36
KLHL25	3.518	3.54
KLHL26	3.122	1.38
KLHL28	2.028	1.41
KLHL29	5.047	0.17
KLHL3	6.49	1.31
KLHL30	3.557	0
KLHL31	1.905	0
KLHL32	3.329	0
KLHL34	2.84	0.03
KLHL4	6.029	0
KLHL5	4.021	4.19
KLHL6	5.453	9.1
KLHL7	9.232	0.56
KLHL8	4.576	3.13
KLHL9	4.352	3.04
KLK1	0.874	6.94

KLK10	1.661	0
KLK11	1.441	0
KLK12	1.677	0
KLK13	1.258	0
KLK14	1.133	0
KLK15	2.932	0
KLK2	7.498	0.2
KLK3	3.489	0
KLK4	1.347	0.06
KLK5	1.495	0
KLK6	2.542	0
KLK7	1.971	0
KLK8	1.515	0
KLK9	1.438	0
KLKB1	2.247	0
Klkb14	1.81	0
KLKP1	15.428	0
KLRA1	1.243	0.61
KLRB1	0.74	2.28
KLRC1	1.515	0.17
KLRC2	1.221	0
KLRC3	1.236	0.07
KLRC4	0.965	0
KLRD1	1.368	0
KLRF1	1.242	0.27
KLRG1	1.791	0.33
KLRG2	3.088	0.27
KLRK1	1.75	0.58
KMO	4.987	1.11
KNDC1	7.122	0.16
KNG1	1.665	0
KNTC1	6.965	2.15
KPNA1	6.887	5.88
KPNA2	1.98	15.57
KPNA3	4.456	4.54
KPNA4	4.049	9.26
KPNA5	2.158	0.54
KPNA6	5.06	8.23
KPNB1	4.505	50.81
KPRP	2.523	0
KPTN	1.64	14.54
KRAS	10.087	1.94
KRBA1	8.035	1.49
KRBA2	1.964	2.75
KRCC1	1.753	8.89
KREMEN1	6.562	0.27
KREMEN2	2.625	0.2
KRIT1	12.456	0.73
KRR1	3.329	5.46
KRT1	2.507	0.17

KRT10	2.124	10.11
KRT12	1.867	0
KRT121P	9.724	0
KRT122P	4.517	0.02
KRT123P	13.267	0
KRT124P	5.18	0
KRT126P	1.371	0
KRT13	2.097	0.08
KRT14	1.634	0
KRT15	1.709	0
KRT16	1.658	0
KRT17	1.499	0.06
KRT18	1.536	0.16
KRT18L1	1.411	0
KRT18P1	3.819	0
KRT18P10	1.393	0
KRT18P3	1.291	0
KRT19	1.464	0
KRT2	2.414	0
KRT20	1.737	0
KRT222P	1.048	0
KRT223P	5.694	0
KRT23	2.147	0
KRT24	1.881	0
KRT25	1.651	0.15
KRT26	1.73	0
KRT27	1.612	5.33
KRT28	1.628	0.31
KRT3	2.232	0
KRT31	1.596	0
KRT32	1.708	0
KRT33A	1.252	0
KRT33B	1.602	0
KRT34	1.713	0
KRT35	1.671	0
KRT36	1.644	0
KRT37	1.718	0
KRT38	2.837	0
KRT39	1.696	0
KRT4	2.575	0
KRT40	2.112	0
KRT41P	6.661	0
KRT42P	0.563	0
KRT5	2.301	0
KRT6A	2.27	0
KRT6B	2.217	0
KRT6C	1.984	0
KRT6L	2.066	0
KRT7	1.702	0.05
KRT71	2.237	0

KRT72	1.985	0
KRT73	2.284	0
KRT74	2.788	0
KRT75	2.121	0
KRT76	2.505	0
KRT77	3.072	0
KRT78	1.778	0
KRT8	1.788	0.38
KRT80	3.39	0.03
KRT81	1.91	0
KRT82	2.681	0
KRT83	1.864	0
KRT84	2.073	0
KRT85	2.491	0
KRT86	2.091	0.04
KRT8L1	1.5	0
KRT8L2	1.689	3.49
KRT9	2.287	0
KRTAP10-1	1.011	0
KRTAP10-10	1.1	0
KRTAP10-11	1.007	0
KRTAP10-12	0.873	0
KRTAP10-2	1.071	0
KRTAP10-3	0.738	0
KRTAP10-4	1.382	0
KRTAP10-5	0.918	0
KRTAP10-6	1.238	0
KRTAP10-7	1.183	0
KRTAP10-8	0.876	0
KRTAP10-9	1.179	0
KRTAP1-1	0.903	0
KRTAP11-1	0.912	0
KRTAP12-1	0.588	0
KRTAP12-2	0.739	0
KRTAP12-3	0.41	0
KRTAP12-4	0.447	0
KRTAP1-3	0.972	0
KRTAP13-1	0.582	0
KRTAP13-2	0.823	0
KRTAP13-3	0.52	0
KRTAP13-4	0.483	0
KRTAP13P1	0.3	0
KRTAP13P2	0.101	0
KRTAP1-5	1.177	0
KRTAP15-1	0.453	0
KRTAP17-1	0.779	0
KRTAP19-1	0.273	0
KRTAP19-2	0.159	0
KRTAP19-3	0.494	0
KRTAP19-4	0.255	0

KRTAP19-5	0.219	0
KRTAP19-6	0.33	0
KRTAP19-7	0.192	0
KRTAP19-8	0.318	0
KRTAP19P1	0.203	0
KRTAP19P2	0.252	0
KRTAP19P3	0.231	0
KRTAP19P4	0.135	0
KRTAP20-1	0.171	0
KRTAP20-2	0.198	0
KRTAP2-1	0.791	0
KRTAP21-1	0.24	0
KRTAP21-2	0.252	0
KRTAP2-2	0.883	0
KRTAP22-1	0.147	0
KRTAP23-1	0.208	0
KRTAP2-4	0.764	0
KRTAP24-1	0.765	0
KRTAP26-1	1.159	0
KRTAP27-1	0.624	0
KRTAP2P1	0.401	0
KRTAP3-1	0.594	0
KRTAP3-2	0.694	0
KRTAP3-3	0.704	0
KRTAP3P1	0.24	0
KRTAP4-10	0.739	0
KRTAP4-12	1.077	0
KRTAP4-14	1.18	0
KRTAP4-15	1.209	0
KRTAP4-2	0.763	0
KRTAP4-3	0.942	0
KRTAP4-4	1.079	0
KRTAP4-5	0.879	0
KRTAP4-7	1.149	0
KRTAP4-8	1.134	0
KRTAP4P1	0.708	0
KRTAP5-1	0.942	0
KRTAP5-10	1.058	0
KRTAP5-11	0.882	0
KRTAP5-2	1.118	0
KRTAP5-3	0.899	0
KRTAP5-4	0.927	0
KRTAP5-6	0.561	0
KRTAP5-7	0.898	0
KRTAP5-8	0.584	0
KRTAP5-9	1.024	0
KRTAP6-1	0.219	0
KRTAP6-2	0.189	0
KRTAP6-3	0.616	0
KRTAP7-1	0.695	0

KRTAP8-1	0.556	0
KRTAP8P1	0.123	0
KRTAP8P2	0.111	0
KRTAP9-2	1.005	0
KRTAP9-3	0.992	0
KRTAP9-4	0.967	0
KRTAP9-5	0.861	0
KRTAP9-8	0.526	0
KRTAP9P1	0.525	0
KRTCAP2	0.547	159.23
KRTCAP3	0.857	0.88
KRTHB4	1.777	2.18
KRTHB5	0.514	6.39
KSR1	4.803	2.07
KSR2	2.49	0.03
KTELC1	4.242	2.32
KTI12	1.696	10.08
KTN1	4.793	20.68
Kua	2.187	14.63
Kua-UEV	2.943	35.18
KU-MEL-3	1.143	0
KY	2.045	0
KYNU	1.928	0
L1CAM	4.525	0.11
L1TD1	3.042	0
L2HGDH	2.064	0.7
L3MBTL	3.833	0.48
L3MBTL2	4.43	10.29
L3MBTL3	4.2	2.45
L3MBTL4	4.525	0.22
LACE1	2.262	0.37
LACRT	0.508	0
LACTB	2.282	1.95
LACTB2	1.508	2.52
LAD1	2.839	0
LAG3	1.99	0.64
LAGE3	0.943	22.6
LAIR1	2.989	104.61
LAIR2	0.699	4.7
LALBA	0.728	0
LAMA1	9.515	0
LAMA2	9.637	0
LAMA3	10.68	8.58
LAMA4	6.297	0.04
LAMA5	11.426	0.39
LAMB1	11.659	1.89
LAMB2	5.808	7.39
LAMB3	4.454	0.02
LAMB4	11.708	0.04
LAMC1	7.931	8.13

LAMC2	6.155	0
LAMC3	5.098	0
LAMP1	2.575	76.51
LAMP2	4.651	7.13
LAMP3	3.297	0.03
LANCL1	4.54	9.2
LANCL2	8.706	1.37
LANCL3	3.331	0.25
LAP3	2.1	32.85
LAPTM4A	1.419	52.36
LAPTM4B	2.238	69.14
LAPTM5	2.223	1583.99
LARGE	4.194	17.13
LARP1	7.458	30.24
LARP2	6.247	0.76
LARP4	6.634	1.8
LARP5	5.64	9.68
LARP6	2.343	0
LARP7	1.437	15.59
LARS	4.244	20.13
LARS2	4.203	6.99
LAS1L	2.466	27.74
LASP1	3.845	87.61
LASS1	2.094	0.04
LASS1-GDF1	0.1	0
LASS2	2.43	67.39
LASS3	3.894	0
LASS4	1.774	1.43
LASS5	1.945	19.19
LASS6	6.583	11.13
LAT	2.037	1.2
LAT1-3TM	0.615	0.27
LAT2	4.62	73.12
LATS1	4.755	3.84
LATS2	4.236	5.51
LAX1	3.245	1.3
LAYN	2.066	1.95
LBA1	10.815	7.35
LBH	2.928	11.54
LBP	1.823	0
LBR	3.904	10.32
LBX1	1.285	0
LBX2	1.452	0.12
LBXCOR1	2.766	0.03
LCAP	1.391	0
LCAT	1.354	0.5
LCE1A	0.333	0
LCE1B	1.139	0
LCE1C	0.695	0
LCE1D	0.345	0

LCE1E	1.18	0
LCE1F	0.357	0
LCE2A	0.592	0
LCE2B	0.612	0
LCE2C	0.614	0
LCE2D	0.609	0
LCE3A	0.27	0
LCE3B	0.288	0
LCE3C	0.285	0
LCE3D	0.61	0
LCE3E	0.611	0
LCE4A	0.3	0
LCE5A	0.819	0
LCK	2.019	19.65
LCMT1	1.37	17.22
LCMT2	2.918	1.79
LCN1	0.779	0
LCN10	0.564	2.84
LCN12	0.689	0.25
LCN2	0.845	26.42
LCN6	0.711	1.78
LCN8	0.918	0.46
LCN9	0.531	0
LCOR	4.834	0.53
LCORL	3.463	0.99
LCP1	3.724	198.6
LCP2	2.76	29.91
LCT	6.274	0.04
LCTL	2.016	0.63
LDB1	3.437	38.89
LDB2	2.443	2.14
LDB3	7.485	31.35
LDHA	1.661	160.71
LDHAL1	1.644	2.51
LDHAL4	1.665	7.28
LDHAL6A	2.526	0
LDHAL6B	1.673	0
LDHB	1.303	217.54
LDHBP	1.004	40.44
LDHC	1.33	0.95
LDHD	2.267	0.08
LDLR	5.174	1.92
LDLRAD1	0.785	0.11
LDLRAD2	4.012	4.94
LDLRAD3	2.969	0
LDLRAP1	2.845	28.72
LDOC1	1.381	0.06
LDOC1L	5.324	0.69
LEAP2	1.856	0.14
LECT1	1.66	0.05

LECT2	1.077	0
LEF1	3.619	104.93
LEFTY1	1.616	0
LEFTY2	2.019	0
LEFTY3	0.297	0
LELP1	0.523	0
LEMD1	0.779	0
LEMD2	2.93	11.04
LEMD3	4.744	10.38
LENEP	0.649	0
LENG1	0.89	10.5
LENG4	2.529	24.75
LENG8	5.649	35.79
LENG9	1.919	5.4
LEO1	2.148	9.85
LEP	6.852	0
LEPR	6.845	1.61
LEPRE1	2.993	13.84
LEPREL1	3.404	0
LEPREL2	2.892	0.49
LEPROT	1.147	7.5
LEPROTL1	2.682	11.34
LETM1	4.76	9.57
LETM2	1.631	0.67
LETMD1	3.89	11.22
LFNG	5.362	2.4
LGALS1	0.558	4.68
LGALS12	1.694	0.45
LGALS13	0.595	0
LGALS14	1.321	0
LGALS2	0.528	0.64
LGALS3	0.91	1.67
LGALS3BP	2.258	47
LGALS4	1.117	0.68
LGALS7	0.483	0
LGALS8	3.378	7.71
LGALS9	1.696	61.09
LGI1	2.254	0
LGI2	3.321	0
LGI3	3.266	0
LGI4	2.814	2.69
LGICZ1	1.81	19.92
LGMN	2.138	58.98
LGMN2P	1.979	10.73
LGP2	2.613	5.41
LGR4	5.206	0.21
LGR5	2.88	0.24
LGR6	3.64	14.83
LGTN	2.097	37.56
LHB	0.523	0

LHCGR	2.976	0
LHFP	2.003	12.95
LHFPL1	1.672	0.1
LHFPL2	4.429	0.46
LHFPL3	3.704	0
LHFPL4	1.444	0
LHFPL5	2.147	0
LHPP	1.613	8.1
LHX1	2.283	0
LHX2	2.416	0.03
LHX3	2.579	0
LHX4	1.87	0.41
LHX5	2.084	0
LHX6	5.527	0
LHX8	2.373	0
LHX9	2.689	0
LIAS	2.321	2.18
LIF	3.872	0.76
LIFR	10.079	0.03
LIG1	3.083	8.3
LIG3	3.856	7.16
LIG4	4.224	1.66
LILRA1	1.91	0.84
LILRA2	1.94	29.96
LILRA3	1.577	0.37
LILRA4	1.708	0.05
LILRA5	2.202	0.42
LILRA6	1.395	0.06
LILRB1	2.971	8.22
LILRB2	2.197	9.13
LILRB3	2.17	0.19
LILRB4	3.721	0.2
LILRB5	2.087	0.24
LILRP1	2.104	0
LILRP2	6.176	0
LIM2	0.97	0
LIMA1	3.649	0.6
LIMD1	6.899	63.24
LIMD2	3.522	48.81
LIME1	1.178	5.07
LIMK1	6.664	3.55
LIMK2	4.959	6.2
LIMS1	1.957	3.79
LIMS2	2.111	9.14
LIMS3	0.956	0
LIN28	4.014	0
LIN28B	5.504	0
LIN52	0.576	0.29
LIN54	5.756	1.44
LIN7A	1.23	0

LIN7B	0.755	2.9
LIN7C	4.671	1.16
LIN9	3.328	1.22
LINCR	1.461	0
LINGO1	2.932	0.03
LINGO2	2.792	0
LINGO4	2.606	6.14
LINS1	2.386	2.4
LIPA	2.624	27.03
LIPC	1.603	2.21
LIPE	3.806	1.57
LIPF	1.365	0
LIPG	4.141	0
LIPH	2.474	0.03
LIPI	1.636	0
LIPJ	1.483	0
LIPK	1.2	0
LIPM	1.197	0
LIPN	1.413	0
LIPT1	1.722	2.06
LITAF	2.356	38.86
LIX1	3.886	0
LIX1L	2.141	14.56
LLGL1	4.225	5.92
LLGL2	4.258	1.5
LMAN1	3.519	14.39
LMAN1L	1.736	0
LMAN2	1.583	100.04
LMAN2L	2.398	9.59
LMBR1	5.532	1.54
LMBR1L	2.328	12.02
LMBRD1	2.039	5.33
LMBRD2	3.237	0.81
LMCD1	1.734	8.35
LMLN	2.02	0.21
LMNA	3.393	19.37
LMNB1	2.882	40.51
LMNB2	4.635	34.99
LMO1	1.274	0.53
LMO2	2.294	22.73
LMO3	3.882	0
LMO4	2.062	10.33
LMO6	1.99	5.55
LMO7	7.233	1.07
LMOD1	3.85	0.03
LMOD3	4.069	0.27
LMTK2	11.204	0.92
LMTK3	4.972	0
LMX1A	3.851	0
LMX1B	1.119	0.15

LNPEP	6.539	4.03
LNK1	3.74	0.59
LNK2	4.632	1.02
LOC112703	1.225	1.17
LOC113179	1.58	2.46
LOC113230	1.425	0.54
LOC113386	1.397	20.56
LOC114984	0.878	19.38
LOC115648	1.665	0.41
LOC116143	2.244	2.82
LOC116236	3.174	13.27
LOC116349	0.456	0.19
LOC116412	2.309	1.64
LOC116437	0.493	0
LOC118945	5.077	0
LOC119358	0.354	9.52
LOC119722	1.304	0
LOC120126	1.182	0
LOC120318	0.747	6.54
LOC120321	6.677	0.35
LOC120364	0.966	0.61
LOC120376	1.672	0.55
LOC120449	1.292	0.07
LOC120824	1.359	0
LOC120872	0.742	0.34
LOC121006	5.025	0
LOC121014	2.191	0
LOC121054	1.279	0
LOC121296	13.556	0.01
LOC121456	32.275	0.03
LOC121498	1.142	0
LOC121520	1.279	0.52
LOC121727	4.517	0
LOC121792	1.146	0
LOC121838	0.938	0
LOC121906	10.674	0.15
LOC121952	0.723	0
LOC122145	1.796	0
LOC122423	0.864	0
LOC122589	1.025	1.56
LOC122592	4.793	0
LOC122867	0.509	10.43
LOC123103	1.362	0.19
LOC123688	2.18	0.5
LOC123855	3.259	0
LOC123862	0.401	0.63
LOC123876	2.322	0
LOC124199	3.087	1.88
LOC124220	0.828	0.31
LOC124446	1.058	93.55

LOC124496	0.76	12.41
LOC124512	1.025	26.55
LOC124865	0.703	1.68
LOC124974	0.8	0.32
LOC125208	0.911	568.11
LOC125242	0.246	0
LOC126075	3.259	1.29
LOC126147	1.836	0.42
LOC126170	0.48	0
LOC126235	0.868	0.58
LOC126242	0.95	12.76
LOC126506	1.958	3.22
LOC126520	1.933	0.04
LOC126536	3.102	0
LOC126661	1.031	2.21
LOC126811	8.059	0.03
LOC126860	0.492	0
LOC126987	3.724	0
LOC127011	1.034	6.52
LOC127086	3.465	0.07
LOC127099	0.351	0.48
LOC127295	0.243	91.52
LOC127406	0.522	0.65
LOC127602	13.622	0
LOC127671	17.297	0
LOC128102	0.161	0
LOC128136	29.845	0
LOC128192	0.492	0.34
LOC128322	0.381	0.88
LOC128820	2.889	0
LOC128977	1.567	10.32
LOC129026	2.482	0.03
LOC129293	1.859	0.27
LOC129402	2.119	0
LOC129522	1.977	1.41
LOC129530	0.99	0.43
LOC129560	2.599	2.4
LOC129607	1.609	0.53
LOC129656	10.185	0.14
LOC129841	0.883	0.19
LOC129870	1.182	0
LOC129881	2.351	0.03
LOC130074	4.072	18.06
LOC130195	2.827	0
LOC130355	1.15	2.63
LOC130429	0.844	0.2
LOC130576	1.573	0
LOC130700	0.618	6.82
LOC130728	0.821	0.1
LOC130773	0.497	0

LOC130865	0.437	0.77
LOC130940	2.186	0
LOC130951	2.543	0.1
LOC131054	48.124	0.05
LOC131055	0.753	0.56
LOC131149	1.434	0
LOC131185	2.779	4.25
LOC131572	1.052	0.08
LOC131691	0.701	0.24
LOC131873	9.089	0.01
LOC131909	2.295	0
LOC131961	2.264	0.67
LOC131973	5.244	0
LOC132205	108.44	0
LOC132386	0.751	0.22
LOC132391	1.272	0
LOC132430	10.36	0
LOC132556	0.487	11.59
LOC132707	0.3	0
LOC132719	0.916	0
LOC132817	7.303	0.05
LOC133083	1.58	1.44
LOC133185	0.333	0
LOC133308	2.427	3.99
LOC133332	2.324	0.08
LOC133491	2.723	0
LOC133569	0.482	0.87
LOC133629	0.532	201.56
LOC133748	0.792	0.11
LOC133789	0.315	13.64
LOC133790	0.459	5.14
LOC133874	0.452	0
LOC134121	2.774	0
LOC134145	1.814	3.48
LOC134357	23.633	0.11
LOC134466	2.456	0.03
LOC134505	0.656	19.14
LOC134997	0.811	112.28
LOC135270	1.042	2.83
LOC135896	0.939	0
LOC136143	0.471	265.59
LOC136242	2.378	0
LOC136288	4.665	0
LOC136307	4.506	0.03
LOC136542	12.7	0.02
LOC137012	1.303	0.97
LOC137107	0.648	0.65
LOC137885	0.342	0
LOC137886	4.971	0.59
LOC138046	2.903	0

LOC138159	3.888	0
LOC138234	0.581	6.96
LOC138412	101.225	0.5
LOC138652	1.563	0
LOC138864	0.486	8.67
LOC138916	1.466	0.12
LOC138948	2.901	0.49
LOC138971	1.637	0.98
LOC138972	9.276	0.01
LOC139060	1.163	0
LOC139061	0.469	0
LOC139163	8.825	0.04
LOC139201	1.274	0.2
LOC139249	5.116	0
LOC139334	2.3	0.55
LOC139363	5.509	0
LOC139431	0.652	0
LOC139452	0.864	0.88
LOC139466	95.279	0.02
LOC139516	11.127	0.01
LOC139587	21.348	0
LOC139604	0.975	0
LOC139735	1.2	0
LOC139748	22.913	0
LOC139952	38.669	0.02
LOC139957	0.691	0.86
LOC140004	2.836	0
LOC140028	1.267	0
LOC140446	2.223	0
LOC143188	0.541	0.47
LOC143244	4.043	1.73
LOC143506	0.585	0
LOC143543	1.827	0.5
LOC143666	2.078	0.52
LOC143678	0.365	0
LOC143941	0.679	0.25
LOC144097	1.961	23.16
LOC144233	1.482	1.14
LOC144383	0.667	13.76
LOC144481	1.36	27.62
LOC144817	2.036	0
LOC145757	0.61	0
LOC145783	1.443	7.77
LOC145814	0.995	0
LOC145837	1.18	0
LOC145853	0.772	10.91
LOC145989	1.478	13.62
LOC146053	0.898	1.51
LOC146110	0.62	0.68
LOC146167	1.308	0

LOC146177	4.216	0.02
LOC146253	2.51	3.99
LOC146325	2.217	0
LOC146429	1.86	0
LOC146439	3.586	0.09
LOC146481	1.414	0
LOC146517	7.518	3.91
LOC146909	2.669	3.94
LOC147150	2.083	1.78
LOC147226	2.046	1.15
LOC147228	3.987	0
LOC147645	3.679	0
LOC147646	1.318	1.98
LOC147650	1.894	0.84
LOC147710	0.991	0
LOC147804	0.979	3.27
LOC148003	0.596	0
LOC148198	4.135	0.06
LOC148430	13.754	0.46
LOC148646	3.014	0
LOC148696	3.527	0
LOC148709	15.809	0.03
LOC148766	0.498	0.17
LOC149086	0.777	0.11
LOC149134	2.549	0.56
LOC149157	0.884	0
LOC149224	0.582	1.01
LOC149351	1.555	0
LOC149478	1.308	2.64
LOC149501	3.905	0
LOC149643	0.506	0
LOC149773	1.419	0
LOC149844	2.558	7.38
LOC150084	2.066	0
LOC150221	6.105	0.07
LOC150223	2.356	11.4
LOC150383	2.841	2.73
LOC150417	1.024	6.5
LOC150516	3.075	0.44
LOC150554	2.769	1.71
LOC150577	3.115	0
LOC150739	0.642	0
LOC150763	2.823	0.72
LOC150786	3.044	0.74
LOC150935	0.513	0
LOC151121	0.458	0
LOC151174	0.733	0.58
LOC151234	1.875	0
LOC151276	0.562	1.05
LOC151457	2.743	2.09

LOC151507	2.04	1.74
LOC151579	2.877	7.02
LOC151760	0.913	0
LOC151825	1.282	0
LOC152024	2.967	0.11
LOC152028	2.04	0.04
LOC152118	0.58	0
LOC152217	1.441	20.52
LOC152485	4.156	2.06
LOC152573	1.971	0
LOC152586	3.783	0
LOC152594	1.7	7.78
LOC152663	0.624	6.88
LOC152667	1.377	7.03
LOC152742	2.325	0
LOC152845	1.489	0.34
LOC152905	2.584	10.11
LOC153222	5.446	1.67
LOC153328	1.148	0
LOC153364	4.28	1.1
LOC153684	2.311	2.26
LOC153893	0.869	0.29
LOC153932	5.449	2.14
LOC154449	1.33	0
LOC154872	1.338	0
LOC154907	0.844	0
LOC154937	4.27	0.38
LOC155006	5.274	0
LOC155100	4.306	0.96
LOC157489	4.306	0.88
LOC157667	0.52	10.69
LOC157713	2.42	3.41
LOC157916	1.356	0
LOC158078	1.741	159.43
LOC158301	2.141	0.12
LOC158345	13.198	8.17
LOC158376	1.538	0.11
LOC158381	3.928	0.66
LOC158383	1.747	0.62
LOC158452	1.25	0.07
LOC158572	0.443	0.19
LOC158714	2.855	7.64
LOC158781	2.655	0.38
LOC158830	0.566	1.49
LOC158852	1.01	0
LOC158948	2.254	0.9
LOC159007	2.558	1.49
LOC159770	1.336	0.38
LOC160313	0.635	0
LOC160410	0.981	0.86

LOC161247	0.91	0.74
LOC161527	7.181	0
LOC161931	2.283	0
LOC162073	1.738	2.76
LOC162427	3.759	17.7
LOC162993	2.77	0.79
LOC165186	2.767	0
LOC168474	37.8	0.08
LOC169834	2.379	0
LOC192127	1.72	0
LOC192128	1.585	0
LOC192130	0.917	0
LOC192131	0.514	0
LOC192132	0.516	0
LOC192133	0.703	95.26
LOC196120	0.585	0
LOC196188	0.701	0.24
LOC196264	0.983	0.34
LOC196346	0.846	0
LOC196415	1.516	0.11
LOC196463	2.568	4.36
LOC196469	1.154	0.14
LOC196541	1.085	0
LOC196549	3.283	0.08
LOC196752	2.272	0.93
LOC196913	0.975	0
LOC196993	1.332	0
LOC197135	1.979	2.29
LOC197322	3.555	9.83
LOC197331	2.167	0.04
LOC197350	1.437	0
LOC198437	0.868	0.68
LOC199800	1.728	1.46
LOC199882	0.525	0
LOC199897	0.65	0
LOC200025	1.723	0.1
LOC200149	3.191	0
LOC200230	2.405	0.38
LOC200261	1.896	0.18
LOC200312	1.922	4.65
LOC200420	1.597	0.16
LOC200810	0.805	0
LOC201164	2.563	3.09
LOC201175	2.319	1.71
LOC201181	1.989	0
LOC201259	2.932	0.05
LOC201288	6.196	0
LOC201626	3.882	2.69
LOC201651	15.233	0
LOC201725	3.503	2.14

LOC202051	1.651	6.53
LOC202122	0.416	1.62
LOC202134	5.329	0
LOC202181	2.751	1.19
LOC202227	0.661	0.76
LOC202319	0.478	0.7
LOC202459	1.197	3.52
LOC203510	1.965	0
LOC203547	4.688	5.63
LOC203930	2.736	1.17
LOC204010	1	0.34
LOC204800	1.154	3.87
LOC205251	0.679	10.17
LOC205272	3.695	0
LOC206227	0.633	0
LOC219404	1.945	33
LOC219752	161.418	0
LOC219854	3.657	3.11
LOC220077	1.442	0.41
LOC220115	100.711	0.01
LOC220147	1.458	0
LOC220429	2.649	0
LOC220433	2.672	2.2
LOC220594	4.329	0.18
LOC220686	2.272	2.56
LOC220729	13.916	0.36
LOC220959	30.643	0
LOC221091	2.414	0.66
LOC221442	3.037	0.36
LOC221838	3.488	148.24
LOC222005	68.691	0.07
LOC222032	48.879	0
LOC222052	1.158	1.46
LOC222103	1.52	0.94
LOC222699	3.592	0.16
LOC222901	0.648	211.5
LOC222967	6.212	0.28
LOC23117	9.381	0.45
LOC246135	1.916	0.44
LOC246717	0.357	0.24
LOC246718	3.569	3.09
LOC246720	0.639	6.86
LOC246723	0.585	15.41
LOC246784	1.695	5.32
LOC246785	1.725	13.72
LOC252840	0.904	0
LOC252841	0.906	0
LOC252968	3.001	0.28
LOC253012	6.46	0.17
LOC253482	0.699	642.43

LOC253665	0.463	10.19
LOC253724	3.97	0.02
LOC253820	0.63	0
LOC253970	1.487	0
LOC254398	4.851	0
LOC255130	0.919	0.46
LOC255208	2.12	0
LOC255275	3.042	0.03
LOC255308	2.672	23.05
LOC255374	3.004	0.14
LOC255411	0.894	0
LOC255480	0.991	0
LOC255519	28.116	0.01
LOC255620	1.243	0.07
LOC255649	2.124	0
LOC255783	1.106	7.38
LOC255809	1.41	7.17
LOC256223	2.088	0
LOC256374	0.525	0.16
LOC256483	0.584	0
LOC256880	1.985	0
LOC257039	0.742	0.34
LOC257054	2.556	0
LOC257358	0.47	0
LOC257407	4.128	0
LOC25845	1.437	7.68
LOC259308	6.298	0
LOC260329	1.497	6.87
LOC260334	2.168	0
LOC260337	3.085	1.8
LOC260338	2.182	0
LOC260339	2.768	0
LOC260340	1.945	0
LOC260341	4.856	2.25
LOC260421	1.108	1.45
LOC260422	1.605	1.63
LOC26221	3.022	0.37
LOC266619	0.211	0
LOC266683	0.352	5.5
LOC266693	0.577	2.48
LOC266694	0.832	1.42
LOC266783	2.846	12.4
LOC266786	1.7	0.1
LOC268276	1.201	0
LOC280637	0.931	3.53
LOC280644	2.713	0.8
LOC283014	10.252	0.21
LOC283028	2.436	0
LOC283104	1.776	0.09
LOC283114	0.491	23.16

LOC283116	2.162	0
LOC283129	0.843	0
LOC283143	3.322	0
LOC283152	0.625	2.83
LOC283155	9.327	0
LOC283172	0.899	0
LOC283174	3.888	0.13
LOC283236	0.572	0
LOC283257	7.553	0
LOC283320	1.752	0.05
LOC283331	3.371	5.05
LOC283343	1.231	0
LOC283345	0.586	1.3
LOC283392	0.43	0
LOC283398	2.554	2.54
LOC283412	0.64	0.79
LOC283440	0.572	0
LOC283480	0.868	0
LOC283481	1.128	0
LOC283514	1.92	0.08
LOC283523	2.034	0.08
LOC283537	3.157	4.38
LOC283547	1.542	0.11
LOC283551	2.686	0.03
LOC283553	0.576	0
LOC283584	0.77	0
LOC283585	1.766	0
LOC283663	1.177	0.5
LOC283683	2.09	0.44
LOC283688	0.811	0
LOC283693	1.119	0.15
LOC283698	1.641	1.44
LOC283710	1.033	0.25
LOC283755	4.222	1.81
LOC283767	3.699	0
LOC283804	1.845	0
LOC283867	2.48	0.1
LOC283871	4.346	3.95
LOC283874	5.578	0.7
LOC283904	3.408	0
LOC283951	1.071	5.51
LOC283953	0.644	0
LOC283970	2.248	1.05
LOC283999	1.003	0
LOC284009	0.961	3.51
LOC284023	2.523	0.87
LOC284064	0.468	1.26
LOC284067	0.974	0
LOC284100	2.449	0
LOC284167	21.208	0.51

LOC284184	0.766	36.07
LOC284196	3.986	0
LOC284215	1.109	0
LOC284226	10.167	0.04
LOC284230	0.399	1.48
LOC284269	2.399	0.42
LOC284274	1.369	0
LOC284288	0.564	1.19
LOC284296	4.203	0.16
LOC284297	0.418	0.2
LOC284361	3.237	42.57
LOC284371	3.537	1.15
LOC284379	5.092	0
LOC284395	0.564	0
LOC284402	0.365	0
LOC284422	0.908	87.58
LOC284428	0.777	0
LOC284441	3.594	11.11
LOC284577	2.897	0
LOC284620	0.741	0.11
LOC284685	2.197	29.41
LOC284701	0.836	0
LOC284751	0.432	0
LOC284757	4.211	0
LOC284801	2.273	14.86
LOC284821	1.143	5.53
LOC284861	3.821	0
LOC284890	0.716	0
LOC284912	0.853	0
LOC284952	3.218	0.24
LOC284964	1.518	0
LOC284988	2.949	0.2
LOC284998	2.113	0.36
LOC285016	0.496	0.34
LOC285033	0.537	1.41
LOC285047	0.769	0
LOC285053	1.597	13.77
LOC285074	1.957	3.44
LOC285095	0.597	1.56
LOC285141	0.596	0
LOC285176	0.778	4.44
LOC285191	2.106	0
LOC285205	0.775	0
LOC285216	12.107	0
LOC285232	3.591	0.61
LOC285260	0.371	1.82
LOC285296	6.079	0.19
LOC285299	2.075	12.83
LOC285303	3.569	0
LOC285346	0.867	1.46

LOC285359	2.478	1.56
LOC285382	5.901	0.94
LOC285407	0.895	0.75
LOC285412	2.279	2.44
LOC285423	2.138	0
LOC285442	2.503	1.75
LOC285453	1.102	0.54
LOC285484	2.756	0.06
LOC285501	1.037	0
LOC285550	9.011	3.34
LOC285556	10.186	0
LOC285563	0.597	0
LOC285588	0.48	0
LOC285591	1.254	8.87
LOC285634	42.058	0.08
LOC285636	5.222	3.31
LOC285643	4.426	0.56
LOC285647	2.66	1.62
LOC285679	1.182	0.07
LOC285697	0.552	0
LOC285706	2.476	0.48
LOC285733	2.738	0
LOC285735	0.322	0
LOC285741	0.744	502.14
LOC285840	1.392	0
LOC285872	2.418	0.28
LOC285900	1.728	0.64
LOC285908	8.822	0.78
LOC285941	3.912	0
LOC285943	2.021	0
LOC286016	4.034	1.38
LOC286076	1.002	0.17
LOC286150	0.877	1.44
LOC286157	0.957	293.46
LOC286187	1.084	0
LOC286238	0.585	0
LOC286239	153.029	0.02
LOC286334	2.732	4.04
LOC286348	0.778	0.75
LOC286411	1.649	0
LOC286434	2.197	0
LOC286444	0.964	4.37
LOC286456	2.927	0.29
LOC286467	1.466	2.53
LOC286495	6.168	3.74
LOC286512	1.201	38.37
LOC286526	1.029	0
LOC286528	0.585	9.07
LOC286568	0.543	0.47
LOC286570	0.543	0.47

LOC29060	1.834	0.14
LOC317727	7.308	3.18
LOC317753	1.456	1.56
LOC317786	2.671	3.19
LOC338091	0.465	4.17
LOC338095	0.79	8.53
LOC338096	0.805	0.1
LOC338097	0.764	0.88
LOC338098	0.374	17.79
LOC338099	0.775	13.81
LOC338328	2.28	0
LOC338586	0.384	0
LOC338588	1.864	0
LOC338591	17.652	0.12
LOC338598	8.789	0
LOC338611	0.357	0
LOC338667	2.967	0
LOC338739	0.634	0.93
LOC338756	0.531	0.31
LOC338758	3.526	0.21
LOC338797	0.501	0
LOC338799	2.554	9.83
LOC338805	0.387	0
LOC338809	1.377	0
LOC338829	3.657	0
LOC338870	0.422	5.59
LOC338963	0.436	0
LOC339047	3.655	0.32
LOC339123	2.17	24.03
LOC339186	3.153	0
LOC339192	0.473	2.67
LOC339209	0.835	0
LOC339229	1.659	21.38
LOC339240	3.153	0
LOC339241	3.988	0
LOC339244	1.407	0
LOC339256	4.414	0
LOC339257	2.953	0.43
LOC339258	3.156	0
LOC339290	2.115	6.25
LOC339344	1.887	5.49
LOC339352	4.309	0.3
LOC339396	4.47	0
LOC339457	2.756	0
LOC339524	2.375	0.07
LOC339535	1.559	7.13
LOC339562	0.474	0
LOC339674	1.506	0.17
LOC339736	2.286	0.14
LOC339742	1.107	0

LOC339745	5.709	0.65
LOC339760	1.365	0
LOC339766	5.749	0
LOC339778	2.842	0
LOC339781	1.333	0
LOC339804	0.701	7.93
LOC339809	5.135	0
LOC339843	3.275	1.39
LOC339845	4.645	0
LOC339858	0.574	1.03
LOC339879	2.262	0.49
LOC339881	1.835	3.76
LOC339897	51.955	0.02
LOC339966	23.148	0.05
LOC339970	4.107	1.67
LOC339977	3.337	0
LOC340069	1.176	0
LOC340089	14.647	0
LOC340094	0.751	0
LOC340096	0.444	0
LOC340113	2.008	0
LOC340192	2.105	1.92
LOC340204	0.575	0
LOC340221	34.488	0.11
LOC340268	2.349	0
LOC340274	1.22	0.07
LOC340286	3.194	0
LOC340443	0.613	0.82
LOC340460	4.374	0
LOC340499	2.229	0.19
LOC340501	7.968	0.02
LOC340502	1.676	0
LOC340508	8.537	0
LOC340515	2.02	0
LOC340569	0.437	0
LOC340598	0.855	0
LOC340600	1.436	0.29
LOC340602	1.924	0
LOC340623	1.163	0
LOC340780	2.281	1.96
LOC340844	5.802	0.47
LOC340888	1.08	0
LOC340900	1.101	0
LOC340947	1.995	1.48
LOC340970	32.339	0
LOC341056	1.026	8.13
LOC341112	0.558	0
LOC341230	1.46	0.17
LOC341315	3.922	28.78
LOC341333	128.541	0.01

LOC341346	0.859	0.1
LOC341378	4.738	0.25
LOC341392	1.743	0
LOC341412	23.408	0.09
LOC341457	0.688	1.1
LOC341604	16.144	0.01
LOC341651	0.764	8.6
LOC341674	0.656	0.13
LOC341689	2.362	0.14
LOC341784	19.339	0.26
LOC341965	1.02	7.35
LOC342293	0.816	0
LOC342346	3.18	0.05
LOC342374	1.291	0
LOC342419	11.856	0.01
LOC342426	3.128	0
LOC342443	2.2	0
LOC342531	7.996	0.03
LOC342541	0.546	0.31
LOC342599	6.017	0.62
LOC342705	1.444	12.84
LOC342732	7.294	0.03
LOC342784	1.638	1.13
LOC342865	1.91	0
LOC342897	1.973	0
LOC342918	1.289	12.75
LOC342979	1.516	0
LOC343052	10.271	0.11
LOC343165	1.942	0.39
LOC343184	0.918	2.48
LOC343296	1.13	2.09
LOC343301	0.652	1.68
LOC343326	1.596	0
LOC343338	27.363	0
LOC343384	0.492	0
LOC343492	0.684	2.83
LOC343495	1.202	0.49
LOC343508	2.312	6.67
LOC343515	1.272	5.5
LOC343851	0.327	0
LOC343981	81.031	0
LOC344065	1.862	0.41
LOC344167	0.582	0
LOC344178	9.731	0
LOC344320	4.522	0
LOC344328	1.109	0.08
LOC344332	0.282	0
LOC344371	0.98	13.41
LOC344382	1.047	9.41
LOC344405	0.521	1.13

LOC344423	0.701	2.04
LOC344462	9.017	0.12
LOC344471	0.498	0.51
LOC344593	4.476	0.38
LOC344595	1.34	0.5
LOC344653	1.867	4.69
LOC344657	1.825	0
LOC344709	4.362	0.37
LOC344741	0.964	0.79
LOC344787	2.657	0.13
LOC344866	9.542	0
LOC344875	3.475	0
LOC344887	14.573	0
LOC344967	18.729	0.14
LOC344978	57.183	0.54
LOC345016	8.554	0.19
LOC345041	1.838	2.62
LOC345222	3.164	0.03
LOC345258	1.703	0.39
LOC345430	10.137	0
LOC345471	1.132	11.46
LOC345537	0.495	0.17
LOC345571	6.579	0.85
LOC345576	27.278	0.27
LOC345630	1.13	0.3
LOC345643	2.091	0
LOC345645	15.711	0.06
LOC345829	0.832	27.44
LOC346085	1.248	37.39
LOC346296	8.88	0.18
LOC346329	2.136	0.71
LOC346588	0.524	0
LOC346653	2.398	0.14
LOC346702	2.917	0.06
LOC347028	1.871	2.61
LOC347097	2.86	0.18
LOC347119	1.404	0
LOC347193	1.74	1.55
LOC347273	2.632	0.2
LOC347275	6.527	0
LOC347281	54.793	0
LOC347292	0.318	480.78
LOC347333	80.54	0
LOC347363	60.788	0
LOC347364	0.282	0
LOC347381	2	4.04
LOC347411	0.897	0
LOC347422	22.424	0.23
LOC347475	1.55	0
LOC347509	0.739	0

LOC347549	0.864	0
LOC347674	1.498	0
LOC347675	1.327	0
LOC347701	1.05	0
LOC347716	9.572	0.03
LOC347717	0.905	0
LOC347806	25.012	0
LOC348021	2.141	0
LOC348174	1.955	0.13
LOC348180	1.936	5.57
LOC348262	3.007	0
LOC348751	1.157	0
LOC348801	2.991	2.2
LOC348808	2.493	0
LOC348840	2.171	0.47
LOC348926	2.326	0.58
LOC348958	1.844	0.41
LOC349114	4.455	1.42
LOC349196	0.435	0
LOC349448	2.836	0
LOC352905	0.928	0.09
LOC353194	5.166	0
LOC353196	1.407	0
LOC359724	1.848	611.76
LOC359791	15.416	0.01
LOC359792	1.376	2.51
LOC359793	2.241	0.19
LOC359794	1.231	0.07
LOC359795	0.432	0
LOC359798	2.102	0.12
LOC359800	1.77	2.71
LOC359819	0.48	1.23
LOC359996	1.92	0
LOC359997	0.335	13.33
LOC359998	0.606	0
LOC359999	0.606	0
LOC360009	0.933	0
LOC360014	1.036	0
LOC360015	63.721	0
LOC360016	3.493	0
LOC360017	3.494	0
LOC360018	0.773	0
LOC360020	13.416	0
LOC360022	0.773	0
LOC360024	2.917	0
LOC360025	1.383	0
LOC360026	1.383	0
LOC360027	2.926	0
LOC360028	5.777	0.01
LOC360029	0.191	0

LOC374395	0.864	45.04
LOC374443	12.978	1
LOC374491	20.185	0
LOC374569	2.03	0
LOC374920	2.935	10.07
LOC374973	0.921	0
LOC375010	2.535	0
LOC375133	2.018	2.84
LOC375190	2.28	0.41
LOC375251	1.11	0
LOC375295	2.532	0
LOC375350	0.782	11.95
LOC375449	1.066	0
LOC375748	2.84	1.31
LOC376475	5.833	1.27
LOC376693	1.266	3.33
LOC376818	1.944	0
LOC386610	1.944	0
LOC386728	3.247	0
LOC387359	14.975	0
LOC387360	9.135	0
LOC387361	9.139	0
LOC387364	12.286	0
LOC387601	1.644	0
LOC387646	3.262	0.15
LOC387647	2.717	2.05
LOC387654	0.9	0.56
LOC387703	4.653	3.98
LOC387720	2.435	0
LOC387723	0.634	0.66
LOC387745	20.342	0
LOC387753	0.601	0.28
LOC387758	3.007	0
LOC387761	0.684	0
LOC387763	2.487	2.06
LOC387770	30.898	0.01
LOC387787	1.897	3.11
LOC387791	13.822	0.03
LOC387804	1.312	0
LOC387820	18.375	0.93
LOC387825	60.535	0.03
LOC387826	0.594	0
LOC387845	1.413	6.2
LOC387856	2.311	0.08
LOC387867	1.061	0.56
LOC387869	0.377	0
LOC387876	1.164	0
LOC387885	0.918	0.09
LOC387890	0.695	0
LOC387895	1.162	0

LOC387911	1.002	0
LOC387924	8.827	0.25
LOC387927	0.703	0.48
LOC387933	1.218	0.97
LOC387934	0.703	1.08
LOC387939	0.425	0
LOC387941	0.901	0
LOC387978	0.734	0
LOC388002	0.637	0
LOC388022	2.089	0.6
LOC388076	0.719	5.39
LOC388104	1.372	0.49
LOC388122	0.948	0.08
LOC388135	1.344	0
LOC388147	0.719	11.6
LOC388152	1.371	0.06
LOC388153	0.491	0
LOC388160	0.495	0
LOC388161	5.435	0
LOC388163	0.496	0
LOC388177	1.037	13.97
LOC388181	1.598	1.16
LOC388194	24.848	0
LOC388199	1.209	0.07
LOC388210	1.344	0
LOC388237	2.728	0.03
LOC388242	4.091	0
LOC388248	45.643	0.01
LOC388255	0.522	0
LOC388259	0.94	0
LOC388272	1.383	2.62
LOC388279	0.917	1.2
LOC388282	1.29	0
LOC388284	1.714	4.38
LOC388312	3.103	0
LOC388323	1.023	0.66
LOC388333	0.845	0
LOC388335	3.092	2.12
LOC388339	0.546	371.19
LOC388344	0.77	1173.18
LOC388381	0.465	0
LOC388401	0.842	0.8
LOC388419	1.678	0
LOC388436	0.532	0
LOC388438	3.126	0
LOC388444	1.367	0
LOC388458	1.006	0
LOC388459	0.717	0
LOC388460	0.844	0.5
LOC388474	1.044	1.85

LOC388503	3.525	0
LOC388514	21.24	0
LOC388523	31.042	0
LOC388524	1.397	72.17
LOC388532	0.802	0.73
LOC388553	1.776	0
LOC388556	0.699	244.03
LOC388559	1.77	0.86
LOC388564	2.277	1.44
LOC388572	1.992	0
LOC388579	1.03	0.08
LOC388588	0.73	0.69
LOC388610	1.716	0.1
LOC388621	0.633	0.14
LOC388630	2.554	3.73
LOC388692	3.389	7.21
LOC388707	1.059	0.95
LOC388720	0.588	5.88
LOC388734	1.191	7.92
LOC388743	1.426	0
LOC388780	0.62	0
LOC388789	0.605	55.42
LOC388795	3.253	0
LOC388813	1.063	0
LOC388814	0.539	3.91
LOC388817	0.73	28.85
LOC388820	1.05	0
LOC388849	1.267	0.07
LOC388882	1.578	0
LOC388885	0.561	1.5
LOC388906	0.563	0.3
LOC388907	1.031	100.9
LOC388915	1.091	0
LOC388923	1.114	0.15
LOC388925	1.345	0.19
LOC388931	1.508	0.11
LOC388946	1.137	0
LOC388948	1.029	0
LOC388955	2.779	0.28
LOC388963	3.074	0.6
LOC388965	1.222	1.1
LOC388969	3.053	14.18
LOC388996	33.777	0.07
LOC389000	1.495	0
LOC389024	1.219	0.07
LOC389033	0.401	0
LOC389043	1.861	0
LOC389049	44.326	0.23
LOC389053	1.944	9.58
LOC389072	2.315	0.51

LOC389073	1.835	0
LOC389101	5.421	0.31
LOC389105	3.035	0
LOC389118	1.188	0
LOC389120	7.533	0
LOC389124	0.512	0
LOC389127	0.686	0
LOC389137	2.069	4.85
LOC389141	1.033	0.65
LOC389151	1.896	0
LOC389156	0.537	0.31
LOC389160	55.476	0
LOC389168	1.763	18.35
LOC389173	1.645	0.05
LOC389174	0.831	0
LOC389179	1.388	4.25
LOC389199	1.296	0
LOC389203	1.207	13.33
LOC389207	0.991	0
LOC389217	1.158	0.07
LOC389223	1.414	5.48
LOC389230	0.533	0.16
LOC389240	0.801	93.07
LOC389246	1.076	0.7
LOC389249	1.686	5.35
LOC389257	2.546	13.83
LOC389286	0.833	0
LOC389293	2.373	0.39
LOC389300	0.609	0
LOC389322	4.574	6.26
LOC389328	0.987	0
LOC389332	1.696	0
LOC389333	4.821	7.21
LOC389342	0.778	1079.27
LOC389365	0.65	0
LOC389369	0.719	0
LOC389370	0.758	0
LOC389386	1.616	11.78
LOC389395	1.546	0.11
LOC389404	0.632	1.33
LOC389428	7.179	2.71
LOC389458	1.076	0
LOC389465	5.56	0.74
LOC389493	10.483	0.04
LOC389517	4.542	0.39
LOC389523	2.682	0.32
LOC389541	1.187	42.72
LOC389607	3.258	0.03
LOC389633	3.011	0
LOC389634	3.033	0

LOC389641	1.97	1.45
LOC389644	3.243	8.57
LOC389651	3.918	0
LOC389652	35.593	0
LOC389654	2.036	0
LOC389655	0.47	1.79
LOC389662	65.429	0
LOC389676	0.588	0
LOC389705	23.58	0.02
LOC389727	1.371	0
LOC389740	8.767	0
LOC389747	16.988	0
LOC389768	6.106	0.04
LOC389787	0.519	489.51
LOC389791	2.081	0
LOC389813	2.832	0.3
LOC389827	0.666	0
LOC389832	1.94	0
LOC389833	1.599	0
LOC389834	4.083	0
LOC389842	1.048	16.55
LOC389844	0.975	0
LOC389849	1.153	49.75
LOC389857	1.62	0
LOC389873	1.176	2.87
LOC389892	10.824	0.06
LOC389895	0.822	0
LOC389901	15.867	1.95
LOC389904	7.476	0.03
LOC389906	1.078	3.28
LOC389935	0.938	3.24
LOC389936	3.209	0
LOC389948	2.459	0.44
LOC389963	1.536	0
LOC389970	1.01	4.17
LOC389976	1.116	0.15
LOC389990	0.796	7.72
LOC389992	0.755	0
LOC389997	26.293	0
LOC390003	48.895	0
LOC390006	0.837	0.6
LOC390007	2.623	3.54
LOC390029	2.321	0.14
LOC390031	0.585	0
LOC390033	0.585	0
LOC390084	0.942	0
LOC390098	0.994	0
LOC390099	0.966	0
LOC390101	6.401	0
LOC390102	1.885	0.81

LOC390107	0.402	250.82
LOC390110	1.82	0
LOC390158	4.513	0.41
LOC390183	0.843	7.29
LOC390203	0.953	0.53
LOC390205	1.078	0
LOC390206	0.907	0.37
LOC390211	0.827	0
LOC390213	4.584	0.38
LOC390218	0.456	1.11
LOC390228	0.8	0.1
LOC390231	1.353	0
LOC390233	6.505	0
LOC390239	0.465	7.61
LOC390243	0.732	0
LOC390245	1.494	0
LOC390250	0.633	9.59
LOC390251	0.988	3.58
LOC390255	0.984	10.1
LOC390259	1.74	0
LOC390282	0.618	0.27
LOC390285	0.522	0.16
LOC390294	0.941	3.31
LOC390297	1.419	0.06
LOC390298	1.218	1.66
LOC390299	0.189	1.78
LOC390301	1.113	0.08
LOC390306	1.708	0.2
LOC390308	0.632	0.13
LOC390311	0.813	0.83
LOC390314	0.518	4.07
LOC390332	5.651	0.03
LOC390335	0.483	14.13
LOC390338	44.075	0
LOC390340	3.836	0
LOC390345	0.73	3.12
LOC390352	0.24	0
LOC390354	10.686	59.72
LOC390358	3.585	0
LOC390363	11.7	0.8
LOC390364	0.201	1.67
LOC390378	0.485	0
LOC390394	4.86	3.52
LOC390402	0.888	1.33
LOC390403	0.546	0.15
LOC390407	1.212	11.39
LOC390411	0.871	0.48
LOC390413	0.805	0.42
LOC390414	1.279	0
LOC390415	42.753	0.41

LOC390418	1.302	0
LOC390419	0.497	0.51
LOC390421	0.417	0
LOC390424	0.411	2.05
LOC390427	1.854	0
LOC390470	1.444	0.06
LOC390472	0.879	0
LOC390482	0.936	0
LOC390483	13.657	0
LOC390501	1.09	0.62
LOC390503	3.82	0.75
LOC390530	0.579	0
LOC390557	2.682	0.12
LOC390561	92.435	0.24
LOC390569	170.266	0
LOC390572	0.664	0.13
LOC390576	3.807	0.08
LOC390578	0.941	3.85
LOC390580	5.404	0.66
LOC390581	0.575	0
LOC390586	1.558	0.65
LOC390588	30.566	0.2
LOC390595	1.692	0.7
LOC390596	4.988	0.36
LOC390597	4.414	0
LOC390600	0.944	0.36
LOC390601	1.526	0
LOC390610	11.883	0.18
LOC390612	1.338	113.7
LOC390614	1.076	0
LOC390616	2.21	0
LOC390617	1.302	0.9
LOC390618	0.732	0.12
LOC390627	22.313	0
LOC390634	1.292	0
LOC390637	1.894	0.36
LOC390638	22.365	0.04
LOC390641	0.711	0.12
LOC390643	8.031	0.18
LOC390660	4.455	0
LOC390667	1.422	0
LOC390671	0.583	56.5
LOC390705	0.767	0
LOC390712	0.558	0
LOC390714	0.6	0
LOC390729	0.356	0.94
LOC390730	0.826	2.45
LOC390732	27.059	0
LOC390738	1.161	0
LOC390739	0.304	4.44

LOC390748	0.87	0.29
LOC390760	4.377	0
LOC390791	0.491	0.52
LOC390806	0.615	1.23
LOC390811	0.201	0
LOC390829	0.585	0
LOC390831	0.738	0.11
LOC390834	5.146	0
LOC390843	19.97	0
LOC390844	1.483	9.83
LOC390848	0.413	0.41
LOC390856	0.405	0
LOC390857	0.839	0.1
LOC390860	2.191	0.38
LOC390861	1.121	0.82
LOC390876	0.321	1.84
LOC390877	0.576	0
LOC390904	10.187	0.03
LOC390924	3.314	2.34
LOC390930	15.501	0
LOC390937	1.065	0
LOC390940	1.124	4.57
LOC390948	0.574	0
LOC390949	0.437	0
LOC390956	0.561	0
LOC390988	2.244	0
LOC390993	2.047	0.33
LOC390996	6.563	0
LOC390997	2.695	2.03
LOC390998	0.852	0.3
LOC391012	0.371	12.49
LOC391019	0.492	0.69
LOC391020	0.402	0.63
LOC391025	0.579	0
LOC391026	15.15	0.1
LOC391033	2.451	0.14
LOC391037	0.675	0
LOC391039	0.939	17.94
LOC391040	7.039	0.08
LOC391044	0.819	3.3
LOC391048	1.911	0.27
LOC391051	21.976	0
LOC391053	0.7	6.26
LOC391069	1.003	0.76
LOC391073	5.124	0.03
LOC391075	0.993	0.17
LOC391076	7.706	0
LOC391077	1.006	1.43
LOC391081	9.525	0
LOC391092	1.409	0

LOC391099	63.316	0.01
LOC391102	3.802	3.06
LOC391106	0.773	0
LOC391126	0.438	1.15
LOC391130	0.415	3.04
LOC391132	6.913	0.01
LOC391135	1.413	17.05
LOC391136	3.335	0.63
LOC391137	12.585	0
LOC391139	20.818	0.26
LOC391140	0.647	0.26
LOC391142	2.708	0
LOC391151	0.37	0.91
LOC391155	1.614	0
LOC391157	0.409	0.61
LOC391158	1.377	0.98
LOC391160	0.547	2.77
LOC391162	3.591	0
LOC391168	0.817	0.31
LOC391171	3.411	0.03
LOC391179	1.425	0
LOC391181	12.91	0.03
LOC391183	19.626	0
LOC391205	1.101	0
LOC391230	6.335	0.02
LOC391239	9.186	0
LOC391242	0.678	0
LOC391247	0.564	1.5
LOC391256	1.348	0
LOC391258	3.898	0
LOC391265	0.126	0
LOC391267	4.393	0.02
LOC391269	0.512	0.16
LOC391271	1.219	0
LOC391273	0.736	5.27
LOC391276	1.919	0.08
LOC391282	0.501	0.51
LOC391322	0.569	1.18
LOC391334	1.212	1.12
LOC391337	5.122	0
LOC391343	0.648	0
LOC391349	17.805	0.53
LOC391356	0.572	50.81
LOC391358	0.59	35.55
LOC391359	0.297	2.27
LOC391364	0.957	0.08
LOC391367	1.007	1.17
LOC391370	0.431	16.42
LOC391378	9.357	0.05
LOC391383	1.268	0.2

LOC391387	0.874	0
LOC391405	2.127	0
LOC391428	12.023	0
LOC391429	0.381	0
LOC391436	3.935	0
LOC391444	10.888	0
LOC391448	9.813	0.04
LOC391453	4.554	0
LOC391458	1.279	0
LOC391462	0.873	0.19
LOC391465	0.581	0.87
LOC391467	2.242	0.26
LOC391470	1.242	1.56
LOC391472	18.808	0.01
LOC391485	5.604	0
LOC391490	5.591	0.03
LOC391491	78.835	0.02
LOC391504	0.509	1.16
LOC391508	1.392	0
LOC391511	0.561	1.95
LOC391524	1.598	1.53
LOC391526	1.004	0.25
LOC391530	56.357	0
LOC391532	0.594	0.14
LOC391533	1.434	0.18
LOC391539	0.695	0.37
LOC391540	1.824	4.06
LOC391541	0.493	0.17
LOC391552	5.024	0.03
LOC391556	0.739	0.11
LOC391559	0.7	5.66
LOC391560	0.406	1.04
LOC391562	5.382	0.74
LOC391566	7.231	0.01
LOC391578	3.984	0.08
LOC391584	1.276	0
LOC391587	1.799	0.09
LOC391589	1.363	0
LOC391592	1.792	5.03
LOC391595	0.406	3.53
LOC391598	0.895	0.56
LOC391600	0.887	0
LOC391603	0.872	0
LOC391609	1.209	0
LOC391636	1.039	4.54
LOC391640	4.411	0.03
LOC391642	1.005	0.17
LOC391647	1.284	0
LOC391648	70.234	0
LOC391655	0.584	0.29

LOC391656	0.436	0.58
LOC391657	4.435	0.59
LOC391670	1.188	0.78
LOC391672	1.024	1.81
LOC391674	1.028	0.08
LOC391679	0.846	0.2
LOC391681	2.059	0.53
LOC391686	0.691	2.92
LOC391689	15.944	0.01
LOC391696	3.792	2.15
LOC391697	9.503	0
LOC391698	8.095	0.14
LOC391701	0.415	1.82
LOC391703	25.764	0
LOC391706	1.892	0.89
LOC391707	0.394	0
LOC391710	2.848	0
LOC391711	7.343	0.03
LOC391713	7.44	0
LOC391718	1.392	0.48
LOC391719	0.591	1.14
LOC391722	1.134	0.74
LOC391738	0.465	0.55
LOC391739	1.596	8.65
LOC391741	1.132	19.42
LOC391742	0.552	0
LOC391744	0.443	0
LOC391746	0.597	0
LOC391747	0.597	0
LOC391749	0.597	0
LOC391761	0.597	0
LOC391763	0.597	0
LOC391764	0.756	0
LOC391765	0.443	0
LOC391766	0.597	0
LOC391767	0.594	0
LOC391768	0.596	0
LOC391769	0.411	0
LOC391771	0.927	0.28
LOC391774	0.637	1.33
LOC391777	0.863	40.71
LOC391798	33.177	0
LOC391803	1.234	0
LOC391804	0.969	2.08
LOC391807	210.938	0
LOC391810	4.787	0.18
LOC391811	1.422	5.98
LOC391813	1.943	0
LOC391819	1.322	0
LOC391824	6.396	0

LOC391825	0.473	0.71
LOC391827	15.913	0
LOC391828	0.406	1352.34
LOC391833	0.563	1.5
LOC391834	0.718	0.12
LOC391836	11.373	0
LOC391844	59.324	0.03
LOC391845	0.451	1.31
LOC391847	42.237	0.04
LOC391849	25.689	7.1
LOC391850	7.28	0.03
LOC391859	0.591	0
LOC392005	54.437	0.01
LOC392008	0.38	0.66
LOC392027	2.404	1.97
LOC392030	0.706	1.55
LOC392100	1.321	0
LOC392145	11.753	0.01
LOC392180	0.999	0.25
LOC392181	1.057	0
LOC392187	1.201	0
LOC392188	1.593	0
LOC392193	0.647	0.91
LOC392196	1.2	0
LOC392197	1.593	0
LOC392206	0.659	11.76
LOC392209	3.616	0.09
LOC392214	1.285	0
LOC392217	2.682	0
LOC392221	0.501	0.34
LOC392222	0.267	0
LOC392225	1.373	0
LOC392226	43.977	0.07
LOC392227	0.494	0
LOC392232	92.212	0
LOC392242	3.56	0
LOC392262	0.246	0
LOC392264	51.675	0
LOC392265	0.93	1.18
LOC392266	6.831	0.76
LOC392267	2.234	0.18
LOC392268	3.096	0
LOC392271	0.408	4.75
LOC392281	0.985	6.41
LOC392282	0.613	7.01
LOC392285	14.682	0.02
LOC392288	1.206	0.7
LOC392292	1.608	0
LOC392298	273.231	0
LOC392301	12.459	0.05

LOC392310	0.842	0
LOC392322	139.89	0
LOC392334	3.757	0
LOC392335	8.844	0
LOC392343	14.007	0
LOC392352	4.38	0.02
LOC392358	0.741	21.26
LOC392364	2.313	0
LOC392368	7.673	0
LOC392371	4.083	0
LOC392374	1.015	0
LOC392382	23.47	0.06
LOC392387	1.3	3.63
LOC392424	0.61	63.93
LOC392425	0.455	0
LOC392426	2.084	0.73
LOC392435	4.469	0
LOC392436	0.439	0
LOC392437	0.743	49.65
LOC392439	0.691	0
LOC392440	0.951	0
LOC392442	22.272	0.06
LOC392443	6.605	0
LOC392451	4.765	0.3
LOC392452	0.86	0
LOC392454	0.783	5.59
LOC392456	1.631	4.28
LOC392459	5.697	0
LOC392465	0.474	0
LOC392473	33.6	0
LOC392477	0.966	0.18
LOC392479	51.495	0
LOC392481	1.749	1.54
LOC392485	0.987	1.11
LOC392489	0.574	0
LOC392497	0.761	8.85
LOC392501	0.436	0.58
LOC392505	0.863	0.09
LOC392508	1.886	6.07
LOC392510	1.014	0.08
LOC392516	13.966	0
LOC392520	0.606	0
LOC392522	4.479	0.15
LOC392525	0.942	0
LOC392528	3.231	0
LOC392529	0.513	0
LOC392536	1.953	0
LOC392538	0.914	0.19
LOC392539	3.659	0.12
LOC392542	0.534	0

LOC392543	1.267	1.46
LOC392545	0.629	0
LOC392547	5.969	0.48
LOC392552	1.431	0
LOC392555	1.124	0
LOC392556	4.331	0
LOC392557	0.591	57.58
LOC392563	1.701	0
LOC392597	2.122	0
LOC392603	5.119	0
LOC392617	5.908	24.71
LOC392631	2.349	0
LOC392635	5.56	0
LOC392713	4.562	0.06
LOC392748	0.496	3.06
LOC392781	1.798	1.08
LOC392787	11.331	0.01
LOC392843	29.503	0
LOC392871	1.22	0
LOC392878	0.38	0
LOC392900	2.404	0
LOC392979	0.501	0
LOC392982	0.585	0
LOC393062	11.746	0
LOC393076	163.618	0
LOC393078	31.518	0
LOC399655	3.966	1.1
LOC399706	2.381	0
LOC399744	3.711	0.91
LOC399748	1.633	14.08
LOC399761	1.48	0.06
LOC399774	4.645	0.05
LOC399783	19.049	0
LOC399804	1.08	11.15
LOC399815	1.419	0.12
LOC399818	2.579	3.36
LOC399829	0.723	0
LOC399839	2.682	0
LOC399881	50.362	0.01
LOC399888	1.72	4.36
LOC399898	4.292	0
LOC399900	1.697	0
LOC399937	2.05	0
LOC399939	1.651	0
LOC399940	2.05	0
LOC399942	1.616	10.58
LOC399947	2.338	0
LOC399950	1.082	0
LOC399957	4.476	0
LOC399965	1.705	0

LOC399988	4.189	0.22
LOC399994	3.966	3.56
LOC400011	3.628	6.83
LOC400013	1.746	6.17
LOC400026	14.377	0.01
LOC400027	2.202	14.88
LOC400036	2.585	4.34
LOC400058	1.294	0.45
LOC400061	1.003	1.76
LOC400064	0.736	29.76
LOC400094	2.463	0.03
LOC400099	2.046	1.52
LOC400120	2.876	0
LOC400126	3.362	26.14
LOC400129	1.3	6.22
LOC400141	0.934	0.72
LOC400174	1.175	0.79
LOC400236	1.882	0.36
LOC400258	1.847	0
LOC400347	1.118	2.41
LOC400352	14.013	0.01
LOC400385	20.125	0.04
LOC400389	0.651	0
LOC400403	31.195	0.33
LOC400406	24.082	0.06
LOC400419	46.571	0.01
LOC400446	6.363	0.47
LOC400451	2.627	0.93
LOC400455	0.821	4.31
LOC400456	0.931	0
LOC400464	1.931	1.88
LOC400499	3.552	0
LOC400506	3.817	6.76
LOC400553	0.703	0
LOC400566	1.779	2.75
LOC400578	4.704	0
LOC400581	1.345	1.06
LOC400592	12.175	2.49
LOC400652	0.741	3.87
LOC400657	2.399	2.6
LOC400686	5.302	0.02
LOC400696	2.562	0
LOC400707	1.991	1.44
LOC400723	1.289	0
LOC400750	4.296	1.81
LOC400752	1.71	0.98
LOC400756	1.277	0.2
LOC400769	0.912	0.65
LOC400796	1.399	0
LOC400831	1.604	0

LOC400856	2.201	0
LOC400879	4.778	0.7
LOC400891	3.226	0
LOC400924	2.272	3.34
LOC400927	39.945	0.15
LOC400950	3.715	0
LOC400958	3.029	0
LOC400960	0.997	1.35
LOC400963	0.973	3.47
LOC400965	2.617	0
LOC400968	4.637	0
LOC400986	2.29	0.15
LOC400987	1.298	0.13
LOC401007	2.163	0.08
LOC401010	2.723	3.65
LOC401013	2.242	0
LOC401018	2.444	0
LOC401021	1.816	0
LOC401052	1.897	0.66
LOC401068	2.06	0.7
LOC401072	4.064	0
LOC401074	1.008	0.75
LOC401076	2.157	7.93
LOC401089	4.075	0
LOC401097	0.759	0
LOC401098	2.614	0
LOC401115	0.464	7.63
LOC401127	1.403	1.68
LOC401131	6.056	0
LOC401137	3.072	0
LOC401152	1.92	39.61
LOC401180	0.96	1.05
LOC401218	1.738	0.43
LOC401220	2.891	0
LOC401222	2.526	0
LOC401233	2.851	0.44
LOC401242	2.785	0
LOC401252	10.372	0.01
LOC401280	3.836	0
LOC401286	4.518	0.69
LOC401296	2.846	0.03
LOC401308	4.548	10.06
LOC401316	4.972	13.17
LOC401317	2.288	0
LOC401321	7.464	0.73
LOC401329	9.261	0
LOC401357	6.708	0.03
LOC401393	0.681	0.13
LOC401397	2.302	2.6
LOC401398	4.294	0.06

LOC401399	7.304	0.06
LOC401410	5.85	0
LOC401431	5.842	0.02
LOC401433	5.816	8.02
LOC401442	1.827	0
LOC401447	1.593	0
LOC401497	1.966	0
LOC401498	3.581	0
LOC401525	0.372	0.23
LOC401533	2.672	1.33
LOC401537	0.887	1.14
LOC401565	1.124	2.69
LOC401577	1.023	1.24
LOC401602	2.798	3.98
LOC401629	0.462	0
LOC401630	0.46	0
LOC401640	0.801	2
LOC401646	2.883	0
LOC401648	1.233	0
LOC401650	0.684	0
LOC401676	48.693	0.05
LOC401677	0.495	1.02
LOC401679	23.596	0.05
LOC401703	1.032	3.43
LOC401705	0.755	0
LOC401708	1.121	0.3
LOC401717	15.768	0.56
LOC401720	2.436	0.03
LOC401721	3.363	0
LOC401725	0.86	0.49
LOC401730	1.448	0
LOC401744	1.279	6.06
LOC401767	91.04	0.02
LOC401770	0.363	11.14
LOC401772	9.638	0.01
LOC401777	19.515	0.05
LOC401805	4.121	0.18
LOC401817	0.515	0.49
LOC401822	12.755	0.02
LOC401825	0.895	1.79
LOC401847	0.516	0
LOC401859	0.501	0.34
LOC401863	0.664	90.7
LOC401864	1.768	0
LOC401865	2.925	0.23
LOC401895	0.375	0.22
LOC401898	3.381	0.03
LOC401904	0.964	2.79
LOC401911	3.951	0.34
LOC401913	0.576	0

LOC401914	1.304	0.39
LOC401945	0.702	0
LOC401957	0.618	25.9
LOC401959	0.861	0
LOC401960	1.892	0.13
LOC401974	0.898	1.22
LOC401975	0.846	0.5
LOC401980	1.224	0
LOC401981	3.976	0.44
LOC401982	0.956	0.71
LOC402026	0.604	8.65
LOC402036	1.089	0
LOC402057	0.54	395.45
LOC402069	0.44	0.19
LOC402076	8.157	0
LOC402093	1.281	0.39
LOC402096	26.624	0.06
LOC402100	34.743	0
LOC402102	6.269	0
LOC402110	2.606	0
LOC402112	1.195	1.13
LOC402116	4.257	0.95
LOC402117	1.231	0
LOC402120	0.342	0.49
LOC402122	0.156	0
LOC402123	0.532	0.16
LOC402125	4.725	0.02
LOC402134	7.996	0
LOC402143	1.943	4.55
LOC402145	0.351	0
LOC402146	1.429	1.65
LOC402149	7.279	32.41
LOC402150	0.762	8.73
LOC402152	0.74	0.34
LOC402164	1.593	0
LOC402175	0.42	14.24
LOC402176	1.763	0.14
LOC402182	2.014	0.04
LOC402184	0.398	0.42
LOC402191	3.514	1.06
LOC402192	0.711	0.71
LOC402198	56.663	0
LOC402199	0.597	0
LOC402207	0.597	0
LOC402213	0.709	0.36
LOC402214	0.616	1.78
LOC402216	1.277	22.89
LOC402217	0.546	2.16
LOC402219	38.162	0.54
LOC402221	1.105	1.44

LOC402222	1.966	0.47
LOC402226	12.371	0.85
LOC402229	1.911	1.76
LOC402230	3.392	0.48
LOC402232	0.858	0
LOC402233	4.701	0.05
LOC402269	1.506	0
LOC402273	32.566	0
LOC402279	1.134	0
LOC402287	0.897	0.47
LOC402329	1.201	0
LOC402342	3.247	1.4
LOC402359	109.665	0.16
LOC402360	0.902	0.09
LOC402375	0.291	134.89
LOC402377	1.275	0.4
LOC402382	0.675	0
LOC402394	2.284	0.29
LOC402397	3.379	1.34
LOC402408	3.195	0.5
LOC402420	11.021	0.88
LOC402422	1.334	0.06
LOC402425	1.358	0.87
LOC402429	31.683	0
LOC402505	20.367	0.04
LOC402509	4.547	0
LOC402569	3.207	0.1
LOC402573	2.008	3.53
LOC402634	0.762	0
LOC402635	6.842	0
LOC402641	15.719	0.05
LOC402643	1.384	0.42
LOC402644	0.992	0
LOC402676	0.524	0.16
LOC402679	1.884	0
LOC402682	1.914	1.05
LOC402716	17.088	0.02
LOC407835	3.474	9.26
LOC414751	4.634	0
LOC414752	7.767	0
LOC414753	10.816	0
LOC414754	1.909	3.13
LOC432369	0.368	111.93
LOC4328	1.938	2.13
LOC439945	5.892	0
LOC439949	1.403	1.92
LOC439950	0.554	0
LOC439951	1.37	0.06
LOC439953	0.71	0.36
LOC439954	0.745	0.79

LOC439957	0.435	0.2
LOC439962	2.668	0.03
LOC439985	2.57	0
LOC439992	1.532	1.04
LOC439994	2.672	2.87
LOC440013	2.619	0
LOC440014	2.682	0
LOC440015	1.255	1.41
LOC440017	2.671	0
LOC440027	0.546	0.62
LOC440031	0.854	0
LOC440040	1.828	0
LOC440041	7.941	0.01
LOC440043	2.359	0.36
LOC440055	0.559	761.29
LOC440059	15.137	0
LOC440061	6.817	0
LOC440063	0.704	0.24
LOC440067	7.522	0.15
LOC440083	1.161	0
LOC440087	2.104	0
LOC440093	1.057	74.75
LOC440104	3.47	10.61
LOC440125	2.977	0.31
LOC440131	0.696	0
LOC440142	4.559	0.13
LOC440157	2.761	0.79
LOC440180	1.817	5.7
LOC440181	0.827	0
LOC440224	24.544	0
LOC440225	28.167	0
LOC440233	2.44	0
LOC440243	3.63	0
LOC440248	5.7	4.94
LOC440268	0.678	0
LOC440278	12.014	0.34
LOC440287	1.155	0
LOC440292	0.984	0.09
LOC440295	3.218	0
LOC440296	0.491	0
LOC440297	22.168	0
LOC440300	19.781	0
LOC440302	0.49	0
LOC440304	17.066	0
LOC440311	1.595	159.17
LOC440313	3.846	0
LOC440320	3.585	0
LOC440330	0.71	0
LOC440335	0.349	0
LOC440337	1.919	0

LOC440338	3.853	0
LOC440345	7.602	0.48
LOC440348	1.089	1.09
LOC440350	1.474	0
LOC440353	24.527	0.02
LOC440354	42.485	0.04
LOC440359	1.869	45.39
LOC440361	0.537	0
LOC440366	12.305	0
LOC440386	3.886	0.13
LOC440389	0.685	0
LOC440396	1.637	0.67
LOC440456	4.033	1.69
LOC440459	4.881	0
LOC440461	6.672	0.03
LOC440487	0.523	1.29
LOC440489	1.332	4.49
LOC440490	0.189	28.08
LOC440491	0.801	0.94
LOC440498	0.678	10.68
LOC440508	5.462	0
LOC440511	0.984	2.74
LOC440514	2.91	10.97
LOC440518	8.905	0
LOC440525	1.134	29.64
LOC440551	1.968	307.07
LOC440558	1.284	0
LOC440563	0.753	0.67
LOC440568	7.699	0
LOC440570	2.52	0
LOC440575	1.166	0.29
LOC440577	1.06	7.16
LOC440587	1.142	1.11
LOC440589	0.899	1.96
LOC440595	1.694	8.75
LOC440597	0.527	0.16
LOC440607	0.846	0
LOC440700	1.228	0
LOC440706	2.007	0
LOC440731	0.392	2.57
LOC440733	0.907	42.9
LOC440737	0.444	64.7
LOC440742	3.58	0
LOC440748	4.345	0
LOC440776	0.92	0
LOC440786	0.321	0.79
LOC440792	16.273	0.11
LOC440795	3.55	0
LOC440799	1.982	0
LOC440804	6.105	0.09

LOC440829	1.479	0
LOC440836	1.722	0.2
LOC440839	1.621	0
LOC440871	0.456	0
LOC440872	6.692	0
LOC440888	1.338	0
LOC440895	1.993	2.88
LOC440896	4.387	0
LOC440900	0.81	0.1
LOC440902	4.748	0.03
LOC440905	3.679	0
LOC440917	1.77	46.12
LOC440925	2.117	0
LOC440926	1.059	5.17
LOC440934	2.951	0
LOC440944	3.119	0.03
LOC440956	0.324	0
LOC440973	1.573	1.34
LOC440981	0.782	0
LOC440991	0.829	482.96
LOC440992	0.52	125.71
LOC440993	2.734	1.33
LOC440995	1.226	7.9
LOC441005	1.145	0
LOC441009	0.734	0
LOC441013	0.945	2.76
LOC441016	0.747	0.11
LOC441018	0.888	0
LOC441019	0.419	4.82
LOC441026	3.086	0.16
LOC441032	3.358	4.39
LOC441034	0.891	29.02
LOC441046	1.989	0.47
LOC441052	1.47	0
LOC441056	2.666	0.06
LOC441061	2.576	0
LOC441066	9.134	0
LOC441070	1.513	0
LOC441073	0.536	448.21
LOC441081	6.769	0
LOC441087	1.437	0.06
LOC441089	1.546	4.3
LOC441097	0.829	0
LOC441098	4.424	0
LOC441108	2.302	10.21
LOC441114	0.382	32.42
LOC441119	1.131	0
LOC441120	1.692	0
LOC441124	2.763	0.7
LOC441131	0.677	0.63

LOC441132	2.631	0.13
LOC441133	76.736	0
LOC441136	2.165	0
LOC441150	0.552	13.73
LOC441154	7.421	0.79
LOC441155	6.151	0.59
LOC441160	4.196	0
LOC441161	0.681	0
LOC441166	0.909	0.28
LOC441177	2.064	0
LOC441178	0.396	0.21
LOC441179	2.718	0.56
LOC441193	3.81	0.22
LOC441208	3.648	0.53
LOC441212	6.696	0.16
LOC441218	1.52	0
LOC441220	7.263	0.37
LOC441228	15.524	0.45
LOC441233	5.078	0
LOC441238	2.626	1.09
LOC441239	2.534	0.07
LOC441241	0.396	0.42
LOC441242	3.923	0.09
LOC441251	2.132	0
LOC441253	0.528	0.16
LOC441257	4.048	0.44
LOC441258	2.271	0
LOC441259	1.982	0
LOC441261	1.794	1.55
LOC441268	4.702	0.02
LOC441282	1.902	0
LOC441294	4.71	0
LOC441296	0.1	0
LOC441314	1.954	0
LOC441320	0.371	0
LOC441323	1.954	0
LOC441326	1.954	0
LOC441344	0.408	16.31
LOC441376	0.75	0
LOC441377	0.452	0.37
LOC441390	2.32	0
LOC441410	1.372	0
LOC441416	59.312	0
LOC441420	8.374	0
LOC441426	3.205	0
LOC441440	130.003	0
LOC441442	10.501	0
LOC441448	0.675	0
LOC441454	0.33	5.1
LOC441455	3.761	0.24

LOC441461	0.806	0.73
LOC441476	1.198	0.07
LOC441481	0.606	35.17
LOC441484	1.99	0.25
LOC441487	4.576	0.42
LOC441489	0.715	0
LOC441490	0.738	0
LOC441493	2.386	0
LOC441495	1.62	0
LOC441505	1.632	16.62
LOC441506	1.226	0.76
LOC441511	0.6	1.54
LOC441522	2.222	0.19
LOC441528	1.203	0
LOC441533	0.438	3.08
LOC441546	0.588	1.15
LOC441548	0.848	0
LOC441550	3.444	3.28
LOC441551	3.468	0
LOC441553	18.995	0.01
LOC441554	4.201	0
LOC441568	0.384	0
LOC441572	1.003	3.7
LOC441581	2.078	5.31
LOC441584	0.585	0
LOC441592	0.961	0
LOC441601	19.63	0.01
LOC441609	3.228	0
LOC441616	6.653	0
LOC441617	1.737	0
LOC441623	87.355	0.01
LOC441630	0.378	1.56
LOC441632	2.723	19.58
LOC441641	0.586	0.86
LOC441642	0.8	0.73
LOC441643	0.365	0
LOC441644	107.946	0.02
LOC441654	21.299	0
LOC441655	0.834	0.31
LOC441662	0.744	0
LOC441666	25.28	0
LOC441687	51.352	0.03
LOC441698	1.883	0
LOC441711	4.128	0.24
LOC441720	15.173	0.22
LOC441722	1.228	11.11
LOC441726	0.413	104.63
LOC441728	13.601	0.02
LOC441730	45.129	0
LOC441732	301.008	0

LOC441736	27.047	0.07
LOC441737	2.343	0
LOC441742	0.624	0
LOC441744	8.652	7.43
LOC441750	1.668	0.5
LOC441768	1.176	0
LOC441774	2.043	35.5
LOC441775	0.569	145.08
LOC441781	0.458	0
LOC441783	3.537	0.07
LOC441784	9.317	0
LOC441792	0.177	0
LOC441795	0.624	0.13
LOC441800	22.591	0
LOC441806	9.06	0.4
LOC441811	56.732	0
LOC441818	2.929	1.24
LOC441843	45.73	0
LOC441849	0.354	0
LOC441861	3.127	0
LOC441862	1.043	1.62
LOC441864	0.348	0
LOC441870	3.824	0
LOC441873	1.751	0
LOC441876	0.918	264.46
LOC441878	0.768	0.33
LOC441880	1.466	2.58
LOC441884	48.327	0.01
LOC441887	8.365	0.41
LOC441891	0.942	2.59
LOC441893	0.988	11.51
LOC441896	9.966	0.01
LOC441897	10.159	0
LOC441899	0.51	3.8
LOC441900	8.761	0
LOC441904	1.237	2.72
LOC441907	0.42	0
LOC441914	0.548	1.23
LOC441915	3.416	0.79
LOC441925	1.296	0
LOC441931	0.627	0
LOC441938	73.341	0
LOC441940	2.189	0
LOC441956	1.839	0
LOC441957	7.762	0
LOC441958	1.23	0
LOC441964	1.254	0.14
LOC441969	0.318	0
LOC441996	0.483	0
LOC442006	0.853	0.69

LOC442013	5.463	0.54
LOC442017	0.444	19.54
LOC442019	36.18	0.01
LOC442021	7.007	0.02
LOC442028	0.565	0
LOC442035	12.015	0
LOC442041	3.868	0.02
LOC442042	0.423	0.59
LOC442058	0.364	6.48
LOC442060	0.734	4.25
LOC442063	0.716	0.59
LOC442064	1.231	1.23
LOC442077	0.216	0
LOC442078	24.655	0
LOC442086	0.625	308.78
LOC442087	1.29	10.84
LOC442097	4.36	0.1
LOC442098	1.004	1.68
LOC442108	0.35	9.39
LOC442112	1.912	16.12
LOC442113	1.569	0.53
LOC442114	0.834	0
LOC442124	0.708	0
LOC442128	0.732	0
LOC442131	1.037	1.05
LOC442132	2.048	0.04
LOC442142	1.166	0
LOC442147	0.39	0
LOC442150	1.11	0
LOC442153	18.116	0.03
LOC442155	1.188	0.14
LOC442156	124.838	0.1
LOC442157	7.847	1.98
LOC442160	0.306	0
LOC442161	1.805	0
LOC442162	0.841	0.9
LOC442164	2.007	0.25
LOC442167	1.237	0.54
LOC442171	0.669	0.75
LOC442172	9.533	0.03
LOC442175	0.246	14.38
LOC442181	8.284	0.02
LOC442192	2.872	0.23
LOC442195	1.218	0
LOC442204	0.57	0
LOC442205	1.305	0
LOC442210	8.717	0.02
LOC442211	0.984	5.3
LOC442215	3.661	0.88
LOC442217	0.973	1.9

LOC442221	2.84	0.71
LOC442227	0.375	0.22
LOC442229	0.21	0
LOC442231	1.06	0.56
LOC442232	0.591	0.43
LOC442233	1.221	1.45
LOC442234	0.996	0.42
LOC442236	88.967	0
LOC442237	67.357	0.01
LOC442238	5.976	0
LOC442239	0.6	4.63
LOC442240	1.365	6.05
LOC442241	3.803	0
LOC442242	0.74	0
LOC442244	0.546	2.94
LOC442245	0.654	6.82
LOC442249	1.48	0
LOC442252	1.283	0
LOC442253	17.391	0.01
LOC442255	1.239	2.72
LOC442256	19.742	0
LOC442257	0.812	0.62
LOC442258	0.772	24.44
LOC442260	0.471	1.25
LOC442261	0.21	0.4
LOC442262	1.007	0.67
LOC442263	14.468	0.91
LOC442266	1.522	0
LOC442267	1.611	12.29
LOC442270	0.5	259.95
LOC442271	3.461	0
LOC442272	6.296	0.28
LOC442283	12.487	1.17
LOC442287	0.147	0
LOC442288	6.057	0
LOC442290	1.51	0.11
LOC442291	3.196	0
LOC442292	1.082	0
LOC442295	0.83	0
LOC442299	1.702	0
LOC442300	5.938	0.14
LOC442304	2.877	0
LOC442308	2.664	2.11
LOC442309	0.914	16.22
LOC442316	10.92	0
LOC442317	5.009	0
LOC442318	2.848	0
LOC442319	44.74	0
LOC442320	1.385	0
LOC442325	7.846	0.07

LOC442326	0.726	7.66
LOC442332	1.409	0
LOC442335	0.758	0
LOC442336	0.494	0
LOC442347	0.332	0
LOC442366	0.597	0
LOC442367	28.043	0
LOC442381	0.222	0
LOC442388	0.972	0
LOC442389	0.398	0.21
LOC442395	47.955	0.47
LOC442396	0.583	0.14
LOC442405	1.275	0
LOC442406	1.284	0
LOC442415	139.099	0
LOC442416	69.429	0.01
LOC442421	0.372	1.36
LOC442423	0.525	0
LOC442426	0.908	0.47
LOC442427	0.528	0
LOC442429	9.855	2.86
LOC442431	0.265	0
LOC442434	24.934	0
LOC442442	0.1	0
LOC442443	73.667	0
LOC442445	0.833	0
LOC442446	22.768	0.01
LOC442447	0.759	0.55
LOC442448	0.912	1.11
LOC442455	45.746	0
LOC442459	38.867	0.04
LOC442460	0.495	0
LOC442461	0.669	0.5
LOC442465	34.84	0
LOC442479	3.322	0
LOC442486	5.165	0
LOC442500	7.326	0.52
LOC442501	0.915	0
LOC442511	44.277	0
LOC442517	34.622	0.06
LOC442523	16.438	0.01
LOC442525	53.555	0.05
LOC442546	10.483	0
LOC442572	2.028	0.08
LOC442573	17.718	0.1
LOC442578	2.032	0.75
LOC442582	2.702	0.1
LOC442590	2.034	0.08
LOC442609	5.328	0
LOC442659	0.147	0

LOC442660	6.057	0.02
LOC442661	26.49	0
LOC442663	3.196	0
LOC442664	1.082	1.16
LOC442666	0.783	0
LOC442668	0.83	1.21
LOC442673	5.937	0.55
LOC442676	6.601	0
LOC442677	2.878	0
LOC442707	3.988	0.23
LOC442709	1.409	5.5
LOC442710	0.456	0
LOC442712	0.758	0.55
LOC442713	0.494	0.17
LOC442720	1.974	8.62
LOC442721	3.252	0
LOC442723	0.822	100.83
LOC442726	0.808	0
LOC442727	0.332	1.27
LOC442730	4.864	0.02
LOC442744	9.287	0.02
LOC442747	41.03	0.01
LOC442777	0.568	79.94
LOC442863	14.742	0
LOC442864	15.688	0
LOC442865	13.342	0
LOC442866	13.342	0
LOC449518	0.225	0
LOC4687	3.328	6.13
LOC492303	1.702	0.89
LOC492311	2.871	0.62
LOC493754	56.498	0.35
LOC493869	1.37	0.06
LOC494127	1.34	3.27
LOC494141	2.079	0
LOC494150	1.276	1.45
LOC497190	1.865	0
LOC497661	1.085	18.09
LOC503540	1.732	1.85
LOC51035	1.289	88.94
LOC51057	3.508	0.96
LOC51136	1.893	5.43
LOC51149	2.066	1.43
LOC51233	1.498	2.87
LOC51252	0.962	2.28
LOC51255	0.716	48.35
LOC54103	4.552	1.35
LOC541469	1.461	0.58
LOC541473	1.96	0.6
LOC544314	2.043	8.2

LOC548599	0.635	2.65
LOC550112	0.428	6.1
LOC550631	2.64	0
LOC550644	1.084	3.57
LOC552891	1.448	1.17
LOC553139	2.395	0
LOC553148	6.924	0.14
LOC553158	1.752	0
LOC553820	10.389	0.01
LOC553939	2.586	0.58
LOC554049	1.134	0.37
LOC554175	2.251	0.07
LOC554203	1.241	1.09
LOC554224	20.512	0.19
LOC554225	19.084	0.03
LOC554226	1.904	0
LOC554234	0.502	1.01
LOC554235	0.844	0.4
LOC554251	2.719	0.4
LOC55565	1.822	2.54
LOC55908	1.223	0
LOC56964	2.409	0
LOC57228	1.239	31.48
LOC572558	0.609	0.14
LOC573971	3.497	7.93
LOC574080	0.729	0.23
LOC58489	2.998	9.05
LOC595101	72.082	0.05
LOC606495	0.838	1
LOC606724	0.571	3.39
LOC613037	26.038	0.03
LOC613038	4.091	0
LOC613206	1.516	0.72
LOC613266	2.025	0
LOC619207	19.426	0.06
LOC619208	2.671	0.79
LOC63920	2.807	0.51
LOC63928	2.366	0
LOC641293	0.604	0.83
LOC641311	1.558	3.56
LOC641378	2.441	0.17
LOC641379	7.282	1.25
LOC641380	3.068	0.03
LOC641381	0.653	0
LOC641382	3.364	0
LOC641456	0.421	6.81
LOC641457	0.424	6.56
LOC641515	1.3	0
LOC641518	1.706	5.87
LOC641522	1.333	0.51

LOC641695	1.051	0.8
LOC641696	0.699	0
LOC641705	0.626	3.09
LOC641708	11.31	0.13
LOC641717	29.056	0
LOC641719	0.576	0
LOC641720	29.061	0
LOC641727	0.794	0.21
LOC641728	0.264	0
LOC641730	7.769	0
LOC641734	3.095	0
LOC641745	1.125	0
LOC641746	0.267	0
LOC641748	0.6	0
LOC641752	1.96	0.17
LOC641755	3.722	0
LOC641761	69.252	0.05
LOC641763	0.354	0.48
LOC641765	2.13	0.2
LOC641766	0.585	0
LOC641767	0.618	0
LOC641768	0.437	0
LOC641776	1.596	0
LOC641777	0.88	0
LOC641784	0.377	0
LOC641787	0.794	0.21
LOC641789	3.153	0
LOC641790	0.375	0
LOC641796	0.432	0
LOC641798	2.23	0
LOC641803	3.554	0.03
LOC641808	2.16	0.24
LOC641814	0.922	0
LOC641826	0.924	0
LOC641827	0.789	0.21
LOC641830	0.207	0
LOC641832	0.561	0
LOC641835	0.573	0
LOC641840	0.418	0
LOC641842	73.468	0.03
LOC641844	1.267	0.14
LOC641845	1.548	0.05
LOC641849	0.793	0
LOC641850	0.808	0
LOC641853	1.322	0
LOC641856	0.495	0
LOC641857	0.342	0
LOC641858	0.666	0
LOC641859	1.131	0
LOC641863	0.348	0

LOC641894	0.807	0
LOC641895	0.24	0
LOC641900	1.698	0
LOC641901	1.035	0
LOC641902	0.393	0
LOC641903	0.198	0
LOC641905	0.693	0
LOC641909	5.663	0.01
LOC641911	0.456	3.14
LOC641912	1.781	0
LOC641916	3.972	0.89
LOC641920	0.776	0
LOC641922	1.5	0.28
LOC641924	18.062	0.01
LOC641930	2.192	0
LOC641931	0.927	0
LOC641933	4.016	0
LOC641936	0.303	0
LOC641940	1.77	0.14
LOC641942	0.984	0
LOC641945	6.681	0
LOC641948	2.052	0
LOC641955	0.621	0
LOC641959	0.837	0
LOC641961	1.887	0
LOC641963	0.502	0
LOC641971	0.408	0
LOC641977	2.271	0.22
LOC641980	1.65	0
LOC641983	8.043	0
LOC641987	0.483	0
LOC641990	4.55	0
LOC641992	0.569	0
LOC641994	0.954	0.44
LOC642002	7.485	0
LOC642004	4.382	0.42
LOC642005	0.387	0
LOC642006	37.249	0.01
LOC642007	21.831	0.01
LOC642009	0.788	0
LOC642014	0.675	0
LOC642018	0.216	0
LOC642019	0.69	0
LOC642024	0.879	0
LOC642026	0.576	0
LOC642030	0.839	0
LOC642031	3.13	0.03
LOC642038	0.168	0
LOC642043	14.393	2.09
LOC642044	0.994	0

LOC642045	0.636	0
LOC642051	0.687	0
LOC642056	0.576	0
LOC642059	0.839	0
LOC642072	40.331	4.24
LOC642073	15.978	0.17
LOC642074	15.574	1.94
LOC642075	0.994	0
LOC642076	0.636	0
LOC642096	23.878	0.08
LOC642131	0.618	0.27
LOC642198	2.635	0.48
LOC642255	2.785	0
LOC642259	1.045	44.82
LOC642262	1.14	0.67
LOC642263	12.151	0
LOC642276	1.257	0
LOC642277	0.246	0.68
LOC642278	0.603	0
LOC642284	5.625	0
LOC642288	22.298	0
LOC642290	23.173	0.23
LOC642295	0.267	0
LOC642296	2.591	0
LOC642300	61.019	0
LOC642305	1.048	6.03
LOC642306	12.481	0.12
LOC642307	0.938	0
LOC642311	1.611	0
LOC642313	1.637	0
LOC642317	18.138	0.26
LOC642319	29.036	0
LOC642325	8.893	0
LOC642329	11.625	0
LOC642335	2.434	0.25
LOC642337	0.525	0
LOC642340	1.023	0.58
LOC642341	0.438	0
LOC642343	0.495	0.17
LOC642346	12.729	0
LOC642350	1.093	0.08
LOC642355	0.342	0
LOC642357	1.31	44.82
LOC642361	2.64	3.12
LOC642362	0.69	0
LOC642366	2.33	0
LOC642367	2.19	0.81
LOC642373	45.779	0
LOC642381	0.279	0.31
LOC642383	0.879	0

LOC642384	2.291	0.03
LOC642385	2.405	0
LOC642389	2.601	0
LOC642395	64.887	0.1
LOC642397	90.284	0.14
LOC642398	6.697	0
LOC642399	0.542	0
LOC642401	1.121	0
LOC642402	6.927	0
LOC642406	146.29	0
LOC642413	5.047	0
LOC642414	8.311	0
LOC642421	1.131	0
LOC642423	34.357	0.01
LOC642424	0.609	0
LOC642425	7.382	0
LOC642426	1.493	0
LOC642433	0.578	0
LOC642440	0.162	0.52
LOC642441	8.151	0.06
LOC642443	2.331	3.94
LOC642446	1.71	0
LOC642448	32.046	0
LOC642450	0.879	0
LOC642451	1.805	0.33
LOC642452	0.588	0
LOC642458	2.171	0.08
LOC642460	50.352	0
LOC642461	0.264	0
LOC642469	15.702	0
LOC642471	0.414	0
LOC642474	8.191	0
LOC642483	0.498	0
LOC642486	0.735	0
LOC642487	9.009	0
LOC642490	0.506	0
LOC642493	1.305	0
LOC642496	13.177	0
LOC642505	0.246	7.19
LOC642511	27.485	0.02
LOC642513	2.785	0.09
LOC642515	0.867	0
LOC642521	0.513	0
LOC642522	12.833	0
LOC642533	12.636	0.28
LOC642536	0.336	0.51
LOC642538	0.522	0
LOC642539	47.219	0
LOC642544	0.472	0
LOC642545	15.172	0

LOC642546	2.737	0.43
LOC642550	0.737	1.49
LOC642554	3.737	0.11
LOC642555	1.332	0
LOC642559	1.378	0
LOC642563	0.588	0
LOC642567	1.593	0.26
LOC642569	7.376	0
LOC642574	1.758	0
LOC642578	0.234	0
LOC642579	8.369	0
LOC642580	0.404	0
LOC642585	1.78	8.38
LOC642587	1.37	0
LOC642588	3.515	0.03
LOC642590	1.67	2.42
LOC642592	4.043	1.31
LOC642597	0.984	0
LOC642599	3.199	0
LOC642609	4.29	0
LOC642612	0.69	0
LOC642614	1.218	0
LOC642617	2.124	0.08
LOC642622	1.059	0
LOC642623	1.182	0
LOC642627	0.348	2.66
LOC642629	3.99	0
LOC642631	10.475	0
LOC642633	1.664	0
LOC642635	24.523	0.01
LOC642636	1.389	0
LOC642637	0.603	0
LOC642648	0.797	0.1
LOC642652	5.728	0
LOC642656	0.894	0
LOC642658	0.606	1.95
LOC642659	1.361	29.28
LOC642661	2.413	0.07
LOC642662	1.608	0
LOC642663	0.483	0.53
LOC642666	0.411	1.03
LOC642669	0.677	0
LOC642672	0.318	0
LOC642677	0.639	0
LOC642678	0.798	0
LOC642681	0.563	0
LOC642683	6.348	0
LOC642692	0.21	0
LOC642694	0.489	0
LOC642697	19.114	0

LOC642702	0.374	0
LOC642704	0.444	0
LOC642707	2.322	0
LOC642721	1.556	0
LOC642727	0.222	4.55
LOC642728	3.435	0
LOC642731	0.921	0
LOC642732	4.118	0.55
LOC642734	0.855	0.39
LOC642737	1.825	0.27
LOC642738	0.578	0.88
LOC642740	0.559	1.66
LOC642741	1.31	142.04
LOC642755	1.578	0.27
LOC642758	0.357	0
LOC642759	0.696	0.6
LOC642765	0.465	0
LOC642773	0.939	0
LOC642778	23.629	0.05
LOC642781	1.58	0
LOC642784	1.368	39.23
LOC642788	10.595	0
LOC642791	38.639	0
LOC642796	0.509	0
LOC642799	23.627	0.06
LOC642802	0.771	1.31
LOC642812	1.549	4.56
LOC642817	1.348	0.63
LOC642818	1.135	0
LOC642826	2.136	0
LOC642828	0.928	4.45
LOC642837	1.269	0
LOC642838	2.187	0
LOC642840	7.767	0
LOC642843	0.826	7.65
LOC642846	4.413	1.05
LOC642850	54.589	0
LOC642851	14.528	0
LOC642852	0.407	0.62
LOC642861	0.213	0
LOC642872	0.816	0.2
LOC642874	0.366	0
LOC642879	30.5	0.01
LOC642888	3.747	0
LOC642890	0.504	1.67
LOC642891	0.937	0.09
LOC642892	0.171	13.79
LOC642893	1.011	0
LOC642894	9.641	0
LOC642897	0.964	0.09

LOC642907	0.874	0
LOC642909	12.302	0.23
LOC642910	2.209	0.26
LOC642921	2.763	0.21
LOC642922	0.621	0
LOC642927	0.861	0
LOC642935	33.75	0.02
LOC642936	0.498	0
LOC642940	14.139	0.19
LOC642943	9.078	0
LOC642947	1.751	0
LOC642952	1.643	0
LOC642954	2.305	11.08
LOC642956	0.689	0.25
LOC642958	4.859	0.03
LOC642959	28.158	0
LOC642975	1.471	15.41
LOC642979	1.653	0
LOC642980	4.066	0.62
LOC642991	0.684	0
LOC642996	21.231	0.01
LOC642998	0.522	0.16
LOC643001	0.333	0
LOC643008	5.585	0.37
LOC643014	9.486	0.31
LOC643015	2.147	2.55
LOC643017	0.153	0
LOC643022	0.647	0.13
LOC643031	0.513	223.81
LOC643033	0.981	0.26
LOC643034	1.269	0
LOC643037	0.694	0
LOC643042	0.438	0
LOC643043	0.321	8.4
LOC643050	1.338	0
LOC643052	1.059	0
LOC643058	0.65	0.52
LOC643063	0.482	0
LOC643064	36.985	0
LOC643067	1.184	0
LOC643069	1.658	0
LOC643072	1.75	2.98
LOC643073	0.603	0.28
LOC643079	3.029	0.22
LOC643081	0.318	0
LOC643085	1.767	0.29
LOC643086	0.552	0
LOC643095	9.344	0
LOC643100	0.618	0
LOC643101	0.24	0.35

LOC643102	3.655	0.88
LOC643106	0.894	0.38
LOC643109	0.831	0.41
LOC643114	45.348	0
LOC643118	8.581	0
LOC643123	19.789	0
LOC643126	7.22	0
LOC643133	1.02	0
LOC643134	0.288	0
LOC643136	5.195	1.41
LOC643143	0.398	0
LOC643151	4.12	0
LOC643153	2.437	0.2
LOC643157	16.976	0
LOC643159	1.44	7.55
LOC643160	11.961	0
LOC643161	0.362	0
LOC643166	52.478	0
LOC643167	2.454	12.42
LOC643168	4.486	0.39
LOC643171	19.401	0
LOC643172	2.267	0
LOC643177	13.251	0.01
LOC643179	0.195	0
LOC643181	37.189	0
LOC643182	7.231	0.22
LOC643187	32.839	0
LOC643189	0.57	0
LOC643193	0.459	41.3
LOC643194	1.023	2.23
LOC643198	1.263	0
LOC643199	53.31	0.01
LOC643201	0.748	0
LOC643205	0.315	0
LOC643219	27.473	0.14
LOC643220	1.256	0.67
LOC643224	1.494	0
LOC643226	0.747	0
LOC643227	0.15	0
LOC643228	46.62	0
LOC643232	1.271	0.33
LOC643233	0.54	0
LOC643244	1.745	0.24
LOC643255	0.682	0.25
LOC643260	0.525	9.15
LOC643263	0.586	0
LOC643264	0.859	0.3
LOC643271	0.324	0
LOC643275	1.187	0
LOC643276	2.757	3.48

LOC643278	0.681	0
LOC643280	9.569	0.48
LOC643281	0.636	0
LOC643287	1.371	1.41
LOC643300	2.263	2.27
LOC643305	0.681	5.19
LOC643307	51.346	0
LOC643308	1.698	0.2
LOC643309	1.118	0.37
LOC643310	0.246	0
LOC643319	1.353	13.14
LOC643321	54.805	0
LOC643324	0.381	0
LOC643327	0.578	1.61
LOC643329	50.382	0.02
LOC643330	0.429	0
LOC643332	0.481	1.05
LOC643334	0.402	0
LOC643336	0.569	1.19
LOC643338	2.492	0.34
LOC643339	0.572	0.88
LOC643341	0.321	0
LOC643342	2.473	0.88
LOC643345	0.168	0
LOC643348	20.367	0
LOC643353	1.125	0
LOC643355	1.794	0
LOC643358	0.83	301.63
LOC643362	0.954	0
LOC643367	4.324	0
LOC643368	0.555	0
LOC643370	7.031	0.01
LOC643371	230.573	0
LOC643373	0.756	0.55
LOC643377	0.639	0
LOC643382	1.02	0.25
LOC643384	9.678	0.01
LOC643386	0.552	1.22
LOC643387	2.676	2.24
LOC643395	0.282	0
LOC643397	1.577	0.05
LOC643412	0.961	0.52
LOC643416	0.372	1.36
LOC643421	0.508	1.16
LOC643427	1.581	2.66
LOC643428	0.33	0
LOC643441	2.071	0
LOC643445	9.528	0
LOC643446	4.527	5.15
LOC643447	10.801	0

LOC643449	0.539	0
LOC643454	1.288	4.65
LOC643459	3.02	0.05
LOC643461	0.879	0
LOC643464	0.848	0.3
LOC643470	10.513	0.06
LOC643471	1.277	0.07
LOC643474	1.134	0
LOC643475	4.904	0
LOC643479	0.322	0
LOC643491	1.035	0
LOC643494	1.074	0.71
LOC643499	0.537	58.51
LOC643503	1.203	0.35
LOC643505	0.198	5.11
LOC643506	1.083	0
LOC643507	0.74	0
LOC643513	1.591	0.64
LOC643514	0.816	0
LOC643517	0.676	7.72
LOC643519	2.151	0
LOC643524	0.666	0
LOC643531	0.603	0.7
LOC643533	0.423	0
LOC643534	0.489	247.36
LOC643535	1.4	0.06
LOC643536	1.717	3.73
LOC643543	1.022	0
LOC643547	0.567	0.44
LOC643550	0.411	2.25
LOC643551	0.765	0.11
LOC643554	0.135	0
LOC643560	68.232	0.04
LOC643561	0.351	0
LOC643562	19.175	0.54
LOC643563	0.318	0.26
LOC643579	39.58	0
LOC643582	0.827	0
LOC643586	24.498	2.25
LOC643587	16.096	0
LOC643589	10.39	0.01
LOC643594	2.433	0
LOC643596	0.9	0.09
LOC643599	0.506	0
LOC643605	1.159	0.8
LOC643609	21.289	0
LOC643613	20.672	0.04
LOC643615	1.119	0
LOC643617	1.04	1.05
LOC643618	0.899	0

LOC643623	2.965	0.03
LOC643630	2.133	0
LOC643631	0.255	0.66
LOC643634	2.452	17.69
LOC643637	1.568	0
LOC643639	4.003	0.02
LOC643641	13.208	1.24
LOC643646	4.096	0.78
LOC643652	1.568	0
LOC643653	0.751	0.33
LOC643654	0.594	0
LOC643665	0.954	0
LOC643668	1.572	1.56
LOC643669	1.092	0.31
LOC643670	0.483	6.28
LOC643677	11.201	0
LOC643678	0.96	0
LOC643680	0.69	0
LOC643684	1.456	0
LOC643689	1.567	4.95
LOC643694	0.864	0
LOC643696	7.191	0
LOC643699	4.018	0.52
LOC643703	1.029	0
LOC643707	34.376	0
LOC643709	4.994	0
LOC643711	0.27	0
LOC643714	0.999	0
LOC643717	0.616	0
LOC643718	0.367	0
LOC643719	0.616	0.54
LOC643723	0.473	0
LOC643733	6.453	0.42
LOC643737	1.272	23.91
LOC643739	8.616	0.01
LOC643744	1.235	0.2
LOC643745	1.101	0
LOC643746	0.919	0.64
LOC643749	0.609	1.8
LOC643750	0.501	0
LOC643751	2.407	10.08
LOC643753	0.235	19.72
LOC643759	1.137	0
LOC643762	88.782	0
LOC643766	1.319	0.32
LOC643768	32.494	0.03
LOC643770	1.825	0.14
LOC643778	2.829	0
LOC643779	1.004	24.5
LOC643783	1.189	0.99

LOC643784	0.788	0
LOC643789	13.146	0
LOC643790	1.323	4.97
LOC643802	12.773	0.01
LOC643804	0.492	0
LOC643806	1.842	0
LOC643810	6.157	0.08
LOC643825	1.254	0
LOC643827	84.931	0
LOC643831	0.72	0
LOC643836	17.14	0.97
LOC643845	1.263	0
LOC643851	0.189	0.44
LOC643852	5.663	0.01
LOC643854	3.894	0
LOC643855	0.186	0
LOC643856	4.629	0.02
LOC643858	1.349	0
LOC643859	3.412	0
LOC643860	69.422	0
LOC643862	1.596	0
LOC643863	0.6	1.83
LOC643870	0.646	35.6
LOC643872	1.226	0.14
LOC643873	1.813	19.33
LOC643875	0.3	0.28
LOC643877	14.524	0
LOC643878	0.222	0
LOC643880	1.371	0
LOC643883	0.72	0.82
LOC643884	0.564	0
LOC643888	5.261	0.18
LOC643894	1.073	0.31
LOC643897	1.139	38.16
LOC643898	0.512	0
LOC643901	0.411	1.03
LOC643904	0.663	0
LOC643905	1.17	0
LOC643906	0.741	0.57
LOC643909	2.271	0
LOC643915	0.894	0
LOC643916	0.339	0
LOC643921	13.248	0.03
LOC643923	0.972	0
LOC643926	0.375	0
LOC643932	1.642	0.36
LOC643933	0.651	0.13
LOC643936	0.657	0.51
LOC643938	0.15	0
LOC643949	0.379	973.27

LOC643950	0.723	0.7
LOC643951	0.576	0
LOC643954	0.625	0.94
LOC643955	29.056	0
LOC643960	0.91	0.56
LOC643962	2.741	0
LOC643965	0.444	0
LOC643971	0.772	0.22
LOC643972	0.486	1.04
LOC643974	8.735	0.42
LOC643976	1.548	1.63
LOC643981	2.277	1.15
LOC643983	0.597	0.28
LOC643986	0.474	0
LOC643987	6.576	0
LOC643988	2.083	2.39
LOC643989	1.563	0.16
LOC643992	2.349	0.28
LOC643996	0.895	0
LOC643997	0.646	0.26
LOC644000	0.576	0.73
LOC644006	2.759	1.59
LOC644010	1.784	1.79
LOC644012	0.678	0
LOC644013	0.746	0.23
LOC644016	1.691	0.1
LOC644017	29.061	0
LOC644020	6.177	0
LOC644021	17.921	0
LOC644022	0.386	0.65
LOC644023	0.204	1.65
LOC644026	1.011	0
LOC644029	0.908	132.2
LOC644030	4.979	0.02
LOC644035	1.853	61.82
LOC644037	1.753	1.73
LOC644038	1.621	0
LOC644042	0.947	0.08
LOC644045	1.816	0
LOC644050	8.244	0.02
LOC644051	1.346	0.75
LOC644054	0.362	0
LOC644055	0.987	0
LOC644056	0.456	0
LOC644060	1.662	1.97
LOC644063	2.903	60.67
LOC644065	0.603	0
LOC644066	0.822	0
LOC644070	28.906	0
LOC644075	1.041	0.25

LOC644079	7.502	0.09
LOC644082	3.011	89.08
LOC644083	2.336	0
LOC644090	1.781	0
LOC644092	0.849	0.4
LOC644094	77.195	0
LOC644096	1.147	12.26
LOC644098	0.387	0.22
LOC644100	0.387	0
LOC644101	0.901	5.33
LOC644103	0.462	0
LOC644106	2.198	0.04
LOC644109	1.179	0
LOC644110	5.663	0
LOC644111	0.558	0.31
LOC644119	0.234	6.84
LOC644124	7.972	0
LOC644129	13.733	0
LOC644131	2.221	19.91
LOC644132	10.368	0
LOC644135	0.471	0
LOC644138	9.531	0.55
LOC644140	4.457	0.09
LOC644141	8.26	0.59
LOC644146	0.567	19.31
LOC644151	0.631	0
LOC644152	0.309	0
LOC644153	2.363	0
LOC644154	9.175	0
LOC644157	2.218	1.55
LOC644158	2.701	0
LOC644159	7.769	0.05
LOC644160	1.116	0.45
LOC644165	4.606	0.19
LOC644166	0.658	0.13
LOC644168	0.807	0
LOC644169	2.049	0.2
LOC644170	2.138	0
LOC644171	0.755	0
LOC644172	1.302	0.52
LOC644173	1.373	0
LOC644181	8.738	0
LOC644182	0.531	0
LOC644186	0.442	0
LOC644189	1.723	0
LOC644191	0.784	0
LOC644192	0.441	0.19
LOC644193	0.975	0
LOC644196	4.271	0
LOC644198	0.346	54.78

LOC644199	79.287	0
LOC644201	3.946	0
LOC644202	2.569	0.16
LOC644203	1.556	0
LOC644213	5.275	0.02
LOC644214	0.879	0.67
LOC644215	0.829	0.71
LOC644216	0.513	0
LOC644220	1.126	21.77
LOC644222	0.586	0
LOC644223	0.577	0.44
LOC644224	1.077	0
LOC644231	68.093	0.06
LOC644232	25.923	0.11
LOC644233	11.936	0
LOC644235	5.458	0.47
LOC644236	0.794	0.85
LOC644237	2.399	0.14
LOC644248	2.756	0
LOC644249	0.615	0
LOC644251	1.008	0
LOC644253	1.272	0.4
LOC644256	1.573	1.66
LOC644261	0.923	0.45
LOC644264	1.556	0.21
LOC644265	0.261	0.97
LOC644269	14.45	0.05
LOC644276	0.777	0
LOC644277	1.992	0
LOC644280	1.167	0
LOC644282	2.645	0.19
LOC644285	2.484	0.17
LOC644295	0.759	3.88
LOC644297	2.176	0.46
LOC644302	0.609	0.14
LOC644303	2.558	0
LOC644310	0.192	14.48
LOC644315	0.72	16.38
LOC644325	2.072	0
LOC644328	1.567	0.75
LOC644330	2.146	1.65
LOC644333	0.776	5.64
LOC644334	0.258	0
LOC644335	33.018	0
LOC644339	51.5	0
LOC644350	0.794	0
LOC644353	5.825	0.84
LOC644354	0.345	0
LOC644357	0.711	0.71
LOC644361	0.834	0

LOC644363	3.306	1.27
LOC644366	0.589	0
LOC644368	0.786	0
LOC644369	11.833	0.01
LOC644378	1.176	0
LOC644383	5.139	0.1
LOC644384	0.526	0
LOC644387	1.619	0.47
LOC644390	6.15	11.38
LOC644397	2.718	0.06
LOC644402	0.429	0
LOC644403	1.194	0.07
LOC644410	1.035	0
LOC644415	0.837	0
LOC644419	0.195	0
LOC644422	1.445	24.02
LOC644425	0.485	0.69
LOC644429	2.565	0
LOC644431	0.42	0
LOC644436	1.34	0.19
LOC644442	0.607	0.55
LOC644445	1.584	0
LOC644449	1.132	0
LOC644451	2.116	0.52
LOC644456	2.12	15.93
LOC644459	9.664	0.08
LOC644462	2.215	1.52
LOC644464	1.03	1.88
LOC644467	43.402	0
LOC644472	0.963	0.26
LOC644477	0.492	0
LOC644482	0.243	0.7
LOC644484	2.079	0
LOC644489	0.547	0
LOC644491	6.54	0.24
LOC644495	4.245	0.18
LOC644496	8.191	0
LOC644497	0.69	0
LOC644498	0.444	0.76
LOC644500	0.789	0
LOC644502	0.59	0.57
LOC644504	0.282	0.3
LOC644509	1.993	0
LOC644511	0.587	68.45
LOC644517	12.366	0.04
LOC644518	11.775	0
LOC644522	9.64	0.11
LOC644524	1.687	0
LOC644525	0.677	0
LOC644528	0.939	0

LOC644534	0.303	1.11
LOC644538	1.612	0
LOC644540	0.348	0
LOC644541	0.43	0
LOC644548	0.735	1.49
LOC644554	0.674	0
LOC644556	1.041	2.18
LOC644557	15.885	0
LOC644558	0.831	0
LOC644563	11.057	0.72
LOC644565	0.324	0
LOC644566	4.687	0.57
LOC644567	1.572	0
LOC644569	0.156	0.54
LOC644573	23.97	0
LOC644576	2.199	0
LOC644578	0.348	0
LOC644587	1.553	0
LOC644588	1.193	6.21
LOC644589	0.249	18.61
LOC644590	0.39	6.48
LOC644591	3.856	0
LOC644592	0.864	0
LOC644596	0.237	0
LOC644600	10.961	0.01
LOC644601	48.905	0
LOC644602	2.358	0
LOC644604	1.635	8.76
LOC644616	1.144	0
LOC644618	54.942	0
LOC644619	69.31	0.08
LOC644620	40.227	0.03
LOC644623	117.217	0
LOC644624	0.378	0
LOC644632	4.769	0
LOC644634	4.466	1.72
LOC644637	2.172	0
LOC644638	0.557	0
LOC644644	1.128	0
LOC644649	4.125	0.16
LOC644651	0.612	0
LOC644652	1.494	0
LOC644653	19.875	0
LOC644659	0.255	0
LOC644660	2.041	0.04
LOC644661	45.422	0.03
LOC644662	1.05	0
LOC644669	22.637	0
LOC644670	1.956	0
LOC644674	1.325	0

LOC644681	0.288	0
LOC644682	0.27	0
LOC644684	9.502	0
LOC644691	0.222	0
LOC644693	6.033	1.74
LOC644694	2.089	0
LOC644695	0.373	0
LOC644697	2.192	0
LOC644701	0.864	3.42
LOC644704	1.368	0
LOC644711	1.104	0
LOC644714	3.156	53.01
LOC644717	1.23	0
LOC644718	0.702	0
LOC644721	0.75	0
LOC644723	0.529	0.31
LOC644727	2.242	0.26
LOC644728	1.977	0
LOC644730	0.574	0
LOC644732	3.234	0
LOC644734	189.212	0
LOC644739	4.444	5.47
LOC644743	1.569	0
LOC644745	2.379	4.71
LOC644746	5.714	0
LOC644749	0.285	0
LOC644753	0.446	0
LOC644754	0.552	2.29
LOC644755	0.264	0
LOC644756	1.929	0
LOC644758	2.068	0
LOC644759	6.21	0.01
LOC644761	1.509	1.62
LOC644762	1.591	2.75
LOC644764	0.318	0
LOC644768	50.749	0
LOC644773	1.338	0
LOC644776	1.148	0.37
LOC644777	7.768	0
LOC644779	0.435	0.2
LOC644780	28.39	0
LOC644787	0.498	0
LOC644790	0.507	3.16
LOC644791	0.585	1.73
LOC644794	0.618	1.22
LOC644800	2.805	0.87
LOC644811	6.212	0
LOC644813	0.783	0
LOC644816	0.222	3.03
LOC644817	6.142	2.25

LOC644822	51.808	0.04
LOC644827	0.279	0.6
LOC644828	0.711	0
LOC644835	0.603	0
LOC644838	0.571	0.14
LOC644841	4.016	0
LOC644844	0.534	0
LOC644850	1.009	2.34
LOC644852	3.246	0
LOC644854	4.915	0.77
LOC644860	2.48	0
LOC644862	0.21	0
LOC644868	2.268	0.22
LOC644870	3.338	0.28
LOC644871	4.257	0.12
LOC644877	1.042	13.9
LOC644879	0.866	9.04
LOC644881	0.802	0.42
LOC644885	0.843	0.4
LOC644889	0.515	0
LOC644892	1.722	0.78
LOC644893	0.954	0
LOC644896	0.79	0.96
LOC644899	1.023	0
LOC644906	0.98	1.2
LOC644909	51.151	0.48
LOC644911	0.642	5.24
LOC644914	1.04	1.54
LOC644915	1.288	0.33
LOC644924	56.141	0.02
LOC644925	1.558	0
LOC644926	0.159	0
LOC644931	0.357	0
LOC644934	0.447	0.19
LOC644935	1.04	0.65
LOC644936	4.282	3.23
LOC644937	0.432	10.53
LOC644941	0.695	0
LOC644943	2.651	5.94
LOC644949	2.046	0.16
LOC644950	0.407	0
LOC644953	0.921	0
LOC644961	4.243	11.21
LOC644969	0.672	182.76
LOC644972	0.867	6.02
LOC644974	1.604	0.16
LOC644976	0.526	0
LOC644978	0.672	0
LOC644979	2.055	0
LOC644982	3.609	0

LOC644988	5.309	0.29
LOC644990	1.071	0
LOC644992	0.312	0.54
LOC644993	0.451	4.48
LOC644994	1.014	0
LOC644996	0.403	0
LOC644998	5.002	0
LOC645000	6.028	11.4
LOC645001	2.891	0.29
LOC645003	2.049	0
LOC645015	1.821	0.04
LOC645018	1.6	3.26
LOC645023	0.51	1.16
LOC645024	0.83	0.41
LOC645027	13.885	0
LOC645030	0.386	0
LOC645037	0.542	0
LOC645045	1.017	0.42
LOC645047	3.932	0
LOC645053	0.371	4.09
LOC645054	0.856	0.2
LOC645065	1.37	0.31
LOC645086	1.496	6.03
LOC645088	0.549	0
LOC645089	1.62	0
LOC645090	2.496	0
LOC645094	0.507	9.63
LOC645097	39.349	0.04
LOC645101	0.596	1.84
LOC645108	0.638	0.14
LOC645118	0.21	0
LOC645120	4.715	0.21
LOC645125	26.327	0.15
LOC645126	0.201	0
LOC645129	1.622	0.42
LOC645132	22.845	0.03
LOC645135	3.868	0.02
LOC645136	0.246	0
LOC645137	3.389	0
LOC645139	1.671	9.93
LOC645145	0.378	0
LOC645146	0.496	0
LOC645149	0.222	0
LOC645157	0.516	0
LOC645158	2.013	0.37
LOC645159	0.798	0
LOC645161	0.84	0.3
LOC645162	41.631	0
LOC645163	3.102	0
LOC645166	0.818	0.51

LOC645173	0.948	2.58
LOC645174	0.557	0.6
LOC645175	1.45	0.7
LOC645177	1.506	0.11
LOC645180	1.656	0.1
LOC645181	0.75	1.58
LOC645183	1.128	0
LOC645188	0.679	0
LOC645195	2.002	0
LOC645197	2.655	0
LOC645201	10.871	0.08
LOC645202	3.602	0
LOC645203	0.345	36.14
LOC645204	25.006	0.2
LOC645207	4.782	0.62
LOC645210	1.335	0
LOC645212	1.436	1.76
LOC645218	0.698	0
LOC645220	0.237	0
LOC645221	56.556	0.03
LOC645225	0.258	0
LOC645226	3.105	0
LOC645227	0.456	0
LOC645231	2.127	0
LOC645233	3.097	1.12
LOC645237	3.613	0.49
LOC645246	0.975	0
LOC645249	2.482	0
LOC645251	47.893	0.01
LOC645253	0.714	0
LOC645256	0.979	0.17
LOC645257	1.297	0.13
LOC645261	1.889	0
LOC645262	0.525	0
LOC645264	3.235	0.47
LOC645266	3.097	1.06
LOC645269	0.378	0.44
LOC645272	51.092	0.02
LOC645273	0.466	0
LOC645276	0.534	0
LOC645277	0.731	0
LOC645280	31.153	0
LOC645282	0.528	0
LOC645291	2.618	2.31
LOC645292	2.325	15.91
LOC645294	30.748	0.01
LOC645297	14.758	0
LOC645299	0.496	0
LOC645301	6.513	3.1
LOC645302	1.437	0

LOC645306	23.369	0
LOC645307	3.875	0.22
LOC645311	23.687	0.04
LOC645312	0.656	4.24
LOC645313	3.75	0.13
LOC645314	1.884	0.4
LOC645317	1.574	28.41
LOC645318	0.905	7.82
LOC645319	2.882	0
LOC645320	0.539	0
LOC645321	2.385	0.04
LOC645323	1.115	0
LOC645324	3.554	0
LOC645326	1.548	0.44
LOC645328	3.127	0
LOC645339	0.769	0
LOC645347	0.934	0.18
LOC645348	11.356	0
LOC645354	3.232	0
LOC645355	0.836	0
LOC645357	0.693	0
LOC645359	1.52	0
LOC645360	0.675	0
LOC645367	2.484	0
LOC645368	0.639	23.6
LOC645371	0.21	0
LOC645373	0.846	0
LOC645379	0.927	0
LOC645381	0.603	8.94
LOC645382	9.414	0
LOC645385	21.039	0
LOC645387	0.959	15.81
LOC645388	2.449	0.1
LOC645390	5.782	0
LOC645395	0.846	0
LOC645397	0.375	2.02
LOC645398	0.856	0
LOC645399	9.414	0
LOC645402	1.593	0
LOC645405	1.222	0.69
LOC645412	2.026	1.08
LOC645415	8.724	0
LOC645417	0.336	0
LOC645420	0.417	0
LOC645422	1.107	1.07
LOC645423	0.923	0
LOC645426	2.949	0.06
LOC645430	1.804	0.04
LOC645431	2.111	0.32
LOC645433	1.679	0

LOC645436	0.963	0.52
LOC645440	0.813	3.42
LOC645443	5.269	5.16
LOC645446	0.605	0.56
LOC645447	0.579	0.43
LOC645448	1.344	0
LOC645452	0.845	0.2
LOC645453	2.65	0.35
LOC645464	2.427	0
LOC645466	1.782	1.66
LOC645468	3.385	1.37
LOC645470	0.543	0
LOC645474	17.506	0.01
LOC645478	0.519	0.16
LOC645479	22.336	0.05
LOC645481	0.513	0
LOC645482	6.114	0.17
LOC645485	2.14	0
LOC645486	64.701	0.47
LOC645489	0.273	0
LOC645490	1.134	0.14
LOC645495	0.543	0
LOC645503	20.692	0.14
LOC645504	0.327	0
LOC645506	0.994	1.87
LOC645508	0.132	0
LOC645513	2.66	0.41
LOC645515	1.235	1.84
LOC645521	1.093	0
LOC645527	1.059	0
LOC645528	3.398	0.22
LOC645529	1.047	0.24
LOC645534	3.157	0
LOC645538	1.31	0
LOC645544	5.059	0
LOC645548	1.826	0.78
LOC645551	4.576	0
LOC645553	1.644	0
LOC645558	1.954	0
LOC645560	0.896	6.86
LOC645561	0.958	0
LOC645565	0.831	0.41
LOC645571	0.548	0.31
LOC645572	1.954	0
LOC645573	0.694	1.1
LOC645579	7.719	3.72
LOC645581	0.786	0
LOC645586	2.462	0
LOC645587	0.366	0
LOC645590	0.297	0

LOC645592	1.08	0
LOC645598	2.744	0.56
LOC645602	1.505	0
LOC645603	4.667	0.04
LOC645605	0.96	0
LOC645614	5.607	0
LOC645615	3.909	0.78
LOC645617	0.924	1.55
LOC645619	3.497	0.05
LOC645620	1.041	0.41
LOC645626	0.92	0
LOC645627	0.855	0
LOC645630	0.117	118.07
LOC645634	14.299	0.04
LOC645638	0.452	0
LOC645641	0.309	2.18
LOC645646	4.776	0.02
LOC645650	0.522	0
LOC645651	1.954	0
LOC645652	0.475	10.82
LOC645654	0.377	0.89
LOC645655	0.555	0.76
LOC645657	3.379	0
LOC645666	24.799	0
LOC645668	1.358	18.92
LOC645676	3.116	1.71
LOC645680	0.561	0.15
LOC645682	1.396	0.06
LOC645683	0.641	4.86
LOC645685	0.66	0.64
LOC645687	1.166	0
LOC645688	2.338	0.4
LOC645691	1.679	0.8
LOC645693	1.421	5.39
LOC645694	45.716	0
LOC645700	0.915	0.18
LOC645704	54.064	0.1
LOC645705	0.276	0
LOC645715	1.697	4.57
LOC645716	0.507	0
LOC645722	0.572	0
LOC645726	7.746	0.75
LOC645730	1.365	0
LOC645733	0.901	0.28
LOC645740	13.772	0.06
LOC645744	1.254	8.8
LOC645747	0.428	0.79
LOC645749	4.943	0.1
LOC645752	3.455	0.1
LOC645755	0.636	0

LOC645757	1.122	0.15
LOC645762	0.49	0.52
LOC645763	4.639	0.29
LOC645769	2.445	0.03
LOC645771	65.195	0.03
LOC645773	2.713	0
LOC645776	0.996	0
LOC645781	1.077	0
LOC645787	11.822	0
LOC645790	1.658	0
LOC645794	0.573	0.3
LOC645798	1.213	0.9
LOC645799	1.1	0.38
LOC645804	31.094	0.01
LOC645805	0.871	26.21
LOC645807	1.894	14.59
LOC645808	1.702	0.39
LOC645809	0.435	0
LOC645811	2.253	1.76
LOC645817	0.576	0
LOC645822	13.444	0.09
LOC645830	0.321	0.53
LOC645834	5.984	0
LOC645836	1.593	0
LOC645839	0.516	0
LOC645841	6.527	0.02
LOC645842	7.093	0.15
LOC645843	1.296	0
LOC645846	0.802	0.95
LOC645847	0.315	0
LOC645848	0.525	0
LOC645851	1.052	1.92
LOC645852	0.837	1.81
LOC645853	0.92	3.38
LOC645857	0.572	1.77
LOC645859	0.435	0.39
LOC645862	0.418	0
LOC645864	1.011	0
LOC645870	1.009	35.48
LOC645874	1.287	3.2
LOC645877	0.267	0
LOC645879	1.954	0
LOC645884	6.698	0.03
LOC645895	2.103	0.64
LOC645899	0.424	54.04
LOC645900	6.469	0.03
LOC645904	1.202	0.35
LOC645914	0.468	0
LOC645915	0.561	0
LOC645916	3.873	0.48

LOC645927	0.285	0
LOC645930	0.198	0
LOC645931	2.028	0.79
LOC645932	1.056	0
LOC645934	101.179	0.01
LOC645936	4.572	0.88
LOC645937	1.142	1.47
LOC645938	0.845	6.88
LOC645939	5.882	0
LOC645940	1.251	1.01
LOC645941	0.717	0.12
LOC645944	3.352	7.03
LOC645946	0.825	0
LOC645947	0.306	6.88
LOC645949	2.391	0
LOC645950	0.914	0.46
LOC645954	59.13	0.03
LOC645955	0.448	0.37
LOC645957	1.667	17.99
LOC645958	1.67	70.26
LOC645960	6.958	0.12
LOC645961	19.569	0
LOC645962	0.469	0.18
LOC645964	0.968	0
LOC645965	1.434	6.87
LOC645966	0.738	0.46
LOC645967	1.206	0.07
LOC645968	0.793	1.17
LOC645969	0.492	13.7
LOC645971	0.837	0.1
LOC645973	0.808	0
LOC645978	2.83	0.15
LOC645979	0.437	0.38
LOC645980	34.123	0.01
LOC645984	2.8	0.27
LOC645987	0.384	0
LOC645991	0.384	0
LOC646004	0.585	0
LOC646012	0.42	0.2
LOC646013	0.418	6.25
LOC646014	0.303	1.11
LOC646016	51.106	0
LOC646019	0.792	0.64
LOC646021	1.031	4.25
LOC646022	2.204	4.13
LOC646024	5.856	0
LOC646030	2.434	0.1
LOC646031	2.376	0
LOC646034	0.42	0
LOC646035	0.489	0

LOC646037	1.761	0
LOC646040	1.221	0.07
LOC646043	1.198	0.29
LOC646044	3.344	1.34
LOC646048	10.095	0.69
LOC646049	0.273	0
LOC646050	1.316	0.38
LOC646051	0.453	0.37
LOC646052	3.001	0.03
LOC646053	3.508	0.24
LOC646056	0.438	1.92
LOC646057	0.903	0
LOC646058	2.34	0
LOC646065	0.738	0
LOC646066	0.597	0
LOC646070	0.465	0
LOC646071	1.844	0
LOC646074	2.459	0
LOC646077	0.159	0
LOC646079	1.25	0
LOC646080	1.871	1.39
LOC646085	1.315	0
LOC646086	1.444	2.97
LOC646087	0.68	0
LOC646090	52.169	0
LOC646091	3.38	0
LOC646093	4.736	0.08
LOC646096	0.807	0.21
LOC646098	0.315	0
LOC646103	0.597	0
LOC646104	0.399	3.38
LOC646106	0.135	13.72
LOC646108	0.583	1.16
LOC646112	2.123	0.64
LOC646114	13.966	0.02
LOC646118	0.68	6.44
LOC646119	0.627	1.34
LOC646120	0.745	0
LOC646127	32.694	0.03
LOC646130	0.645	0
LOC646132	0.651	0
LOC646139	2.358	0
LOC646140	0.74	0
LOC646158	1.197	0
LOC646160	0.216	0
LOC646161	2.298	0.25
LOC646163	0.216	0
LOC646164	2.965	0
LOC646170	0.834	0
LOC646171	2.811	0.93

LOC646173	0.693	0
LOC646174	0.904	0
LOC646175	0.35	0
LOC646177	0.933	0
LOC646182	0.384	0
LOC646184	0.183	0
LOC646187	2.856	0.03
LOC646189	0.531	1.74
LOC646192	0.687	0
LOC646195	0.648	954.54
LOC646196	2.744	0.31
LOC646197	10.647	0
LOC646201	1.182	0
LOC646202	17.155	0.59
LOC646203	0.716	3.53
LOC646208	1.038	0.16
LOC646213	0.258	3.59
LOC646214	6.629	2.24
LOC646215	1.287	0
LOC646216	1.924	0.43
LOC646218	1.67	0.15
LOC646220	1.131	1.78
LOC646231	0.992	0.17
LOC646236	0.57	0.44
LOC646237	0.324	0
LOC646243	8.309	0
LOC646252	0.303	0
LOC646253	4.973	0.02
LOC646254	1.992	0
LOC646255	1	4.55
LOC646256	0.588	0
LOC646260	0.258	0
LOC646261	1.295	0.13
LOC646262	1.989	0
LOC646269	0.81	43.47
LOC646270	6.902	0.27
LOC646272	0.219	5.39
LOC646273	1.128	0
LOC646274	46.883	0.02
LOC646278	25.396	0
LOC646279	0.59	9.85
LOC646282	20.603	0.13
LOC646285	0.84	0.9
LOC646289	4.59	0
LOC646290	4.497	0
LOC646292	29.2	0
LOC646294	0.946	4.63
LOC646300	1.98	0
LOC646301	2.659	0
LOC646314	9.495	0.02

LOC646316	2.85	0.09
LOC646317	0.879	0
LOC646322	5.843	0
LOC646323	4.459	0
LOC646324	0.706	0
LOC646329	2.23	0.19
LOC646330	9.46	0.11
LOC646338	0.814	2.48
LOC646340	15.818	0.01
LOC646344	74.034	0.01
LOC646346	6.222	0.11
LOC646347	1.69	3.09
LOC646348	0.213	26.89
LOC646352	0.513	0
LOC646357	0.479	0
LOC646358	0.138	0
LOC646359	1.514	0.17
LOC646362	0.52	0.16
LOC646363	0.723	0
LOC646365	0.708	2.38
LOC646366	0.486	0
LOC646370	6.384	0.02
LOC646373	7.365	0.03
LOC646377	3.889	0
LOC646378	1.804	0.42
LOC646379	0.889	0
LOC646382	5.824	0.01
LOC646388	0.21	0.4
LOC646392	0.543	2.48
LOC646395	0.624	0
LOC646396	26.249	0.03
LOC646405	0.508	0
LOC646407	0.237	0
LOC646408	0.15	0
LOC646410	0.822	0
LOC646411	8.569	0
LOC646417	0.467	0.54
LOC646425	73.998	0.02
LOC646430	2.122	0
LOC646434	2.018	0.71
LOC646437	0.726	0
LOC646438	0.408	0
LOC646439	0.348	0
LOC646440	27.639	0.03
LOC646442	0.774	0.76
LOC646446	0.42	0.2
LOC646448	0.657	0.26
LOC646449	0.504	0
LOC646450	1.604	2
LOC646457	1.107	0

LOC646462	0.315	0
LOC646463	0.342	4.44
LOC646467	0.916	0.09
LOC646470	0.741	0.34
LOC646471	2.81	0.42
LOC646472	21.677	0.02
LOC646476	0.794	0.53
LOC646479	42.032	0
LOC646482	1.674	0
LOC646483	0.919	34.74
LOC646484	3.408	0
LOC646485	0.264	1.6
LOC646486	0.423	0
LOC646489	20.555	0.21
LOC64649	0.469	0
LOC646493	0.607	0
LOC646496	0.642	0.79
LOC646498	0.621	0
LOC64650	0.42	0
LOC646500	0.693	0
LOC646505	0.171	1.48
LOC646506	2.257	0
LOC646507	0.933	0
LOC646508	0.939	0
LOC646509	0.726	1.97
LOC646510	1.017	0.42
LOC646517	4.313	1.41
LOC646520	0.69	0
LOC646522	1.445	0
LOC646526	0.621	0.27
LOC646527	0.793	1.49
LOC646531	19.922	1.19
LOC646532	12.163	2.65
LOC646535	1.725	0.14
LOC646538	12.776	0.02
LOC646543	0.986	0
LOC646547	18.16	0.65
LOC646548	2.469	0.03
LOC646555	4.161	1.8
LOC646556	0.267	0
LOC646557	3.469	0.08
LOC646560	1.01	0.59
LOC646561	2.847	0.5
LOC646565	57.257	0.01
LOC646566	0.29	2.32
LOC646567	0.58	0.15
LOC646569	0.384	0
LOC646570	1.218	0
LOC646572	1.587	5.94
LOC646574	0.93	1.09

LOC646575	5.727	0
LOC646576	1.368	0.43
LOC646577	0.625	0.14
LOC646578	0.693	1.83
LOC646579	0.6	0.42
LOC646581	0.27	0
LOC646583	0.835	0.31
LOC646584	0.6	0
LOC646585	0.807	0
LOC646587	3.492	0.14
LOC646588	3.74	0.04
LOC646590	0.497	0
LOC646595	0.513	0.82
LOC646596	0.186	0
LOC646597	0.632	0.66
LOC646603	0.846	0
LOC646604	0.558	0
LOC646608	2.298	0
LOC646609	13.915	0.02
LOC646610	20.633	0
LOC646612	49.697	0.08
LOC646614	1.96	2.24
LOC646616	1.339	1.64
LOC646619	0.147	0
LOC646620	3.722	0.18
LOC646625	0.96	0
LOC646626	0.748	0.11
LOC646628	0.387	1.09
LOC646629	0.501	0
LOC646639	1.062	0.48
LOC646640	3.219	0
LOC646641	0.724	0
LOC646643	2.037	0.13
LOC646644	0.648	4.16
LOC646649	0.612	0.42
LOC646654	0.444	0.19
LOC646658	2.266	0
LOC646666	0.808	0
LOC646667	1.479	0
LOC646670	2.097	0
LOC646672	0.633	2.13
LOC646674	1.261	2.21
LOC646675	0.432	8.39
LOC646677	0.351	2.64
LOC646685	0.458	0.92
LOC646688	1.378	2.44
LOC646693	3.382	0
LOC646696	1.168	1.51
LOC646698	0.975	0
LOC646700	1.026	0

LOC646702	15.572	0
LOC646709	1.432	0.53
LOC646710	6.872	1.27
LOC646712	0.47	0
LOC646719	2.85	2.48
LOC646720	0.994	0
LOC646721	63.83	0.31
LOC646723	1.292	0.13
LOC646730	0.864	0
LOC646735	3.183	0
LOC646736	1.355	0
LOC646737	1.466	0.29
LOC646745	0.621	0
LOC646746	1.026	0
LOC646749	3.114	0
LOC646751	0.681	0
LOC646753	0.448	0.37
LOC646754	1.353	0
LOC646755	4.643	0.09
LOC646756	1.005	4.28
LOC646758	1.14	1.85
LOC646761	3.515	0
LOC646762	8.18	0.42
LOC646766	1.004	54.12
LOC646770	8.896	0
LOC646773	14.009	0
LOC646774	0.884	0
LOC646778	2.194	3.92
LOC646779	0.415	0
LOC646784	0.976	0.95
LOC646785	0.592	251.57
LOC646787	0.377	0.67
LOC646791	1.002	35.81
LOC646792	0.879	0
LOC646794	1.873	1.17
LOC646795	0.627	0
LOC646797	75.003	0
LOC646799	1.145	0
LOC646800	0.576	0
LOC646801	2.198	0.27
LOC646802	2.026	0
LOC646804	1.107	0
LOC646805	22.255	0
LOC646808	0.431	4.1
LOC646810	19.477	0.01
LOC646813	125.276	0
LOC646817	1.808	1.63
LOC646819	0.464	28.87
LOC646820	2.1	0.56
LOC646821	0.459	0.73

LOC646823	0.834	0.1
LOC646828	22.8	0
LOC646836	0.24	10.88
LOC646837	3.153	15.28
LOC646839	43.369	0.24
LOC646841	0.375	1.35
LOC646842	38.885	0
LOC646845	0.609	0.14
LOC646849	0.805	0
LOC646851	2.191	0
LOC646853	0.273	0.61
LOC646854	0.837	0
LOC646860	11.312	0
LOC646862	1.116	0
LOC646863	0.357	0
LOC646864	1.956	0.17
LOC646869	1.347	0
LOC646870	1.659	0.41
LOC646871	1.162	0.43
LOC646873	0.432	4.09
LOC646874	1.479	2.05
LOC646875	1.247	0.14
LOC646877	3.112	0
LOC646879	0.504	0
LOC646880	11.657	0.01
LOC646884	1.253	0.07
LOC646886	0.414	0.2
LOC646890	3.698	0.78
LOC646891	8.861	0.32
LOC646895	0.582	2.17
LOC646902	0.969	0.17
LOC646903	1.978	0.25
LOC646907	9.297	0.01
LOC646908	1.153	0
LOC646909	0.554	0.76
LOC646910	1.677	0
LOC646912	5.08	0.02
LOC646913	1.419	0.3
LOC646915	2.942	0
LOC646929	33.397	0
LOC646932	1.035	0
LOC646934	12.82	0.76
LOC646936	1.538	0
LOC646938	1.84	0.37
LOC646939	1.593	0
LOC646942	0.502	1
LOC646945	0.336	1
LOC646947	1.429	18.57
LOC646949	0.495	726.48
LOC646951	1.383	0

LOC646953	0.234	0
LOC646954	6.058	0.87
LOC646956	5.23	0.13
LOC646960	1.948	0
LOC646966	0.49	2.75
LOC646970	1.489	1.53
LOC646973	2.916	0.72
LOC646976	2.238	0.23
LOC646980	74.49	0
LOC646982	0.402	0
LOC646985	0.195	3.03
LOC646989	0.423	0
LOC646992	0.624	0.14
LOC646993	0.627	1.08
LOC646995	2.722	0.24
LOC646999	0.408	0
LOC647000	1.137	0.37
LOC647001	1.067	1.97
LOC647002	0.7	1.33
LOC647009	5.14	1.1
LOC647011	1.116	0
LOC647012	1.853	0.54
LOC647013	1.169	0.07
LOC647015	1.247	0
LOC647016	0.195	0
LOC647020	17.6	0.88
LOC647024	0.814	0
LOC647025	0.423	0
LOC647030	0.792	13.29
LOC647031	0.393	0
LOC647034	0.207	139.99
LOC647037	0.252	0.33
LOC647038	0.467	0
LOC647039	0.596	0.14
LOC647041	0.963	0
LOC647042	1.606	0
LOC647044	0.816	0
LOC647047	9.261	0.95
LOC647049	0.904	0
LOC647051	0.78	3.24
LOC647054	0.71	0
LOC647055	1.229	0
LOC647057	19.587	0
LOC647059	0.18	0
LOC647060	4.161	0
LOC647065	1.04	1.86
LOC647066	0.911	1.11
LOC647068	12.186	0.04
LOC647069	1.371	0
LOC647070	1.019	4.87

LOC647073	32.36	0.19
LOC647074	0.24	0.35
LOC647076	6.461	3.1
LOC647077	1.515	0.12
LOC647081	1.266	0.47
LOC647082	0.423	0
LOC647085	0.542	0.31
LOC647086	1.493	5.47
LOC647087	1.548	17.9
LOC647089	0.681	0
LOC647094	0.909	0.37
LOC647102	1.074	0
LOC647104	0.636	0
LOC647109	0.637	0
LOC647112	0.41	144.02
LOC647121	52.598	0.03
LOC647126	2.437	0
LOC647131	1.45	0.76
LOC647132	14.769	0.07
LOC647133	0.21	0
LOC647134	0.417	0
LOC647135	1.388	1.58
LOC647137	3.068	0
LOC647138	0.496	0
LOC647144	3.521	0
LOC647145	1.65	0
LOC647150	2.816	2.09
LOC647154	0.332	0
LOC647155	0.391	0.86
LOC647156	1.338	0
LOC647157	50.545	0
LOC647158	0.98	0.08
LOC647162	15.87	0
LOC647163	0.66	0.38
LOC647166	1.461	0
LOC647167	1.376	3.8
LOC647169	0.651	0
LOC647174	1.964	0.08
LOC647175	23.089	0
LOC647176	0.495	0
LOC647177	18.331	0.01
LOC647187	47.235	0.02
LOC647188	0.18	0
LOC647189	1.525	0
LOC647190	3.564	0.12
LOC647194	0.627	0
LOC647195	0.74	0.11
LOC647201	3.757	0.04
LOC647202	4.166	0.95
LOC647203	1.166	0

LOC647204	0.225	0
LOC647208	20.455	0
LOC647209	3.433	0.03
LOC647211	48.559	0.01
LOC647212	1.006	0
LOC647215	1.794	0
LOC647216	0.741	0
LOC647217	1.604	0.31
LOC647224	47.641	0
LOC647238	0.402	0
LOC647239	0.495	0.85
LOC647243	0.507	0.5
LOC647244	0.276	2.44
LOC647247	0.192	1.32
LOC647249	30.025	0
LOC647250	0.594	0
LOC647252	0.683	0.74
LOC647253	2.265	0.6
LOC647259	1.135	0
LOC647262	0.306	0
LOC647264	1.316	0
LOC647265	15.037	0
LOC647275	0.249	1.01
LOC647276	1.46	441.66
LOC647277	1.146	0.07
LOC647278	0.222	0
LOC647279	0.558	0
LOC647280	14.699	0
LOC647281	0.493	0
LOC647285	0.468	2.34
LOC647286	1.201	0.07
LOC647288	2.672	0
LOC647291	1.898	0
LOC647298	3.892	0.04
LOC647299	18.243	0.07
LOC647302	0.31	45.1
LOC647305	2.615	0.8
LOC647307	1.342	17.26
LOC647309	1.281	0
LOC647310	0.556	0.76
LOC647313	0.733	0
LOC647315	0.543	0
LOC647317	1.014	0
LOC647319	7.122	0.6
LOC647415	43.552	0.01
LOC647500	1.28	0.53
LOC647503	0.386	1.75
LOC647507	1.119	0
LOC647509	0.691	0
LOC647520	1.491	0

LOC647532	3.892	0.21
LOC647540	3.334	0
LOC647569	3.75	0
LOC647678	1.782	0
LOC647757	1.158	0
LOC647942	0.81	0
LOC648044	0.216	0
LOC648149	2.989	0
LOC648154	1.638	1.59
LOC648217	0.771	117.77
LOC648230	0.378	0
LOC648237	12.591	0.02
LOC648245	0.606	3.33
LOC648282	1.494	0.23
LOC648283	24.42	0.09
LOC648294	0.471	6.62
LOC648359	1.416	0
LOC648415	0.303	0
LOC648442	0.88	2.87
LOC648532	0.86	0
LOC648570	1.858	0
LOC648603	0.651	19.15
LOC648665	0.609	0
LOC648708	8.828	0.06
LOC648729	0.396	159.96
LOC648774	3.685	0.19
LOC648846	0.564	0
LOC648890	8.558	0
LOC648926	2.054	0
LOC648927	0.987	3.58
LOC648937	18.627	0.14
LOC648947	14.479	0
LOC648980	0.491	0
LOC648987	3.595	2.13
LOC649024	30.798	0.03
LOC649095	3.498	0.82
LOC649137	1.077	0.39
LOC649159	1.542	6.44
LOC649166	8.6	0.02
LOC649186	0.603	0
LOC649198	19.423	0
LOC649201	1.818	0
LOC649203	0.243	0
LOC649238	1.389	0
LOC649259	0.864	0
LOC649264	0.984	0
LOC649288	0.294	0
LOC649290	0.606	0
LOC649294	1.206	0
LOC649307	4.321	0

LOC649324	3.233	0
LOC649346	1.214	0
LOC649352	1.593	0
LOC649458	0.66	0
LOC649553	24.662	0.24
LOC649618	1.137	0.59
LOC649671	0.603	3.07
LOC649704	8.585	0.19
LOC649798	1.557	0
LOC649839	0.389	0.43
LOC649853	0.33	0
LOC649925	0.82	0
LOC649946	0.641	0
LOC650024	0.675	0
LOC650031	0.495	0.17
LOC650059	0.483	0.53
LOC650083	0.714	0.12
LOC650095	0.996	3.97
LOC650157	17.418	0.02
LOC650218	7.452	0.92
LOC650226	161.234	0.01
LOC650236	7.825	0
LOC650340	0.786	0.11
LOC650346	2.784	0
LOC650363	0.867	1.07
LOC650474	2.417	0
LOC650531	11.127	0.03
LOC650560	2.43	2.19
LOC650561	2.004	0.04
LOC650609	5.072	0.03
LOC650612	0.528	0
LOC650623	58.186	0
LOC650655	43.616	0.01
LOC650666	83.47	0.88
LOC650708	0.813	0
LOC650747	21.384	0.05
LOC650767	2.296	0
LOC650776	0.486	0
LOC650789	11.937	0.73
LOC650794	1.361	0.81
LOC650823	1.356	0
LOC650866	1.1	0.08
LOC650901	1.123	0.83
LOC650947	0.918	0.37
LOC650951	0.475	0
LOC651033	1.2	0
LOC651042	45.866	0
LOC651053	1.987	0
LOC651091	0.726	0
LOC651118	9.014	0.05

LOC651141	0.147	0
LOC651144	15.992	2.6
LOC651158	0.453	0
LOC651200	4.719	0
LOC651258	5.636	0
LOC651386	0.951	0
LOC651419	43.729	0
LOC651628	1.288	1.31
LOC651644	0.92	0.09
LOC651746	2.874	0.03
LOC651868	0.392	0
LOC651986	1.164	0
LOC652170	1.727	0
LOC652276	11.52	0.23
LOC652419	2.858	0
LOC652423	0.838	0.1
LOC652489	0.786	0
LOC652525	9.463	0.01
LOC652549	5.937	1.61
LOC652624	2.593	0
LOC652670	1.032	0
LOC652904	0.24	0.7
LOC652959	0.812	0.83
LOC652963	0.898	74.1
LOC652964	0.873	0.29
LOC652968	1.508	4.13
LOC653040	1.74	0
LOC653042	4.124	0
LOC653050	4.185	0
LOC653051	1.124	0
LOC653052	1.086	1.86
LOC653053	1.317	0
LOC653056	7.242	0.01
LOC653061	12.617	0.01
LOC653069	0.623	0.27
LOC653073	1.906	0.31
LOC653075	14.444	0
LOC653079	0.591	0
LOC653080	3.495	0
LOC653089	1.975	0
LOC653097	0.578	0
LOC653103	1.572	3.86
LOC653104	1.059	0
LOC653107	2.042	0
LOC653108	3.054	0
LOC653110	1.901	0
LOC653111	2.163	0
LOC653113	15.07	0.16
LOC653114	1.652	0
LOC653115	1.19	26.12

LOC653117	2.229	0
LOC653122	2.176	18.86
LOC653123	0.372	0
LOC653125	1.9	0
LOC653135	3.219	0
LOC653137	1.747	0
LOC653146	0.231	0
LOC653151	0.928	0
LOC653155	0.321	7.35
LOC653156	1.068	0.32
LOC653160	2.3	1.94
LOC653162	0.336	0.5
LOC653163	0.225	0
LOC653166	1.395	0
LOC653174	3.99	0
LOC653175	3.612	0.21
LOC653185	1.858	0
LOC653186	0.478	0.53
LOC653188	60.253	0
LOC653190	29.834	0
LOC653192	1.674	0
LOC653194	0.985	0
LOC653198	0.66	0
LOC653199	4.482	2.67
LOC653203	0.542	0
LOC653214	0.787	247.25
LOC653232	0.749	109.54
LOC653240	1.18	0
LOC653245	0.444	0
LOC653252	0.925	2.37
LOC653256	3.571	0
LOC653264	3.22	0
LOC653265	0.396	0
LOC653269	3.989	0
LOC653270	1.748	0
LOC653275	2.067	0
LOC653276	0.639	1.72
LOC653288	2.795	0
LOC653303	1.49	0.85
LOC653305	0.444	0
LOC653314	0.905	810.06
LOC653316	4.41	0
LOC653322	2.369	7.68
LOC653325	1.297	0.32
LOC653333	1.268	0
LOC653340	3.331	4.07
LOC653348	1.983	0
LOC653354	0.594	0.85
LOC653355	20.635	0
LOC653363	1.469	0

LOC653364	0.585	113.9
LOC653375	1.608	2.15
LOC653380	7.136	0
LOC653381	43.454	0.19
LOC653382	2.112	0
LOC653383	0.411	0
LOC653390	39.941	0.04
LOC653406	3.035	0
LOC653414	11.865	0
LOC653419	1.858	0
LOC653420	1.877	0
LOC653427	3.109	0
LOC653428	1.611	0
LOC653435	22.888	0.03
LOC653436	47.597	0
LOC653437	1.084	0
LOC653441	5.386	5.87
LOC653449	1.003	0
LOC653450	1.527	1.54
LOC653453	62.961	0
LOC653458	0.502	0
LOC653464	6.32	2.34
LOC653479	38.233	0.11
LOC653483	1.067	0
LOC653486	0.436	0
LOC653491	0.555	0
LOC653492	22.267	0
LOC653498	2.055	0
LOC653501	24.631	0
LOC653503	1.075	6.03
LOC653505	3.854	0
LOC653506	1.054	0
LOC653510	35.959	0
LOC653511	1.301	0.39
LOC653513	1.196	0
LOC653519	3.972	0.82
LOC653520	0.901	0
LOC653541	0.972	0
LOC653543	2.669	0
LOC653544	2.665	0
LOC653545	2.665	0
LOC653548	2.665	0
LOC653550	0.662	0
LOC653553	24.903	0.42
LOC653557	22.058	0.05
LOC653560	0.771	0
LOC653562	11.293	0.02
LOC653566	1.96	18.66
LOC653567	3.035	9.16
LOC653583	1.342	2.7

LOC653588	1.024	1.89
LOC653590	7.156	0
LOC653593	0.381	0
LOC653598	3.854	0
LOC653606	2.124	0
LOC653629	1.014	0
LOC653630	0.643	0
LOC653631	2.171	3.38
LOC653635	24.608	0.13
LOC653641	3.451	0
LOC653643	3.455	0.03
LOC653653	1.494	0.56
LOC653656	0.777	0
LOC653657	0.777	0
LOC653658	0.462	726.22
LOC653665	0.571	0.3
LOC653677	1.396	0.18
LOC653690	0.27	0
LOC653695	0.222	0
LOC653698	2.087	2.14
LOC653707	96.582	0
LOC653712	0.701	0
LOC653720	1.899	0.31
LOC653735	0.366	0
LOC653737	0.604	0
LOC653740	0.21	4.01
LOC653748	0.642	0.13
LOC653753	1.059	0
LOC653758	0.881	3.83
LOC653768	1.703	0
LOC653769	57.612	0
LOC653772	49.242	0
LOC653773	0.378	3.56
LOC653775	3.498	0
LOC653781	3.826	0
LOC653786	40.773	0
LOC653789	0.366	0
LOC653794	16.008	0.02
LOC653796	1.285	12.13
LOC653800	6.432	0
LOC653801	0.982	0.77
LOC653808	1.934	0
LOC653809	1.657	0
LOC653820	6.851	0.08
LOC653841	0.555	0
LOC653852	0.921	0.09
LOC653895	0.171	0
LOC654029	0.696	0.84
LOC654089	0.138	0
LOC654106	0.888	0

LOC654119	0.252	0
LOC654254	48.426	0.01
LOC654337	0.119	0
LOC654338	0.121	0
LOC654340	1.761	2.15
LOC654342	0.89	1.14
LOC654346	1.688	0.05
LOC654350	0.963	7.52
LOC654480	0.627	76.31
LOC654484	0.386	1.75
LOC654485	0.39	3.02
LOC654486	0.423	0
LOC654487	1.374	0.49
LOC654780	2.689	0
LOC677762	1.033	1.63
LOC723972	0.738	32.18
LOC727721	0.545	0.31
LOC727722	1.713	0
LOC727723	0.558	0
LOC727724	1.114	0
LOC727725	1.285	11.54
LOC727726	2.542	5.2
LOC727727	0.839	0
LOC727728	1.097	9.14
LOC727729	0.837	0
LOC727730	0.377	5.58
LOC727731	0.724	0
LOC727732	4.915	0
LOC727733	1.114	0
LOC727735	9.125	0
LOC727736	1.993	0.46
LOC727737	8.586	0
LOC727738	1.241	0
LOC727739	0.586	0
LOC727741	6.409	0.58
LOC727742	2.609	0
LOC727743	0.714	0
LOC727744	0.315	0
LOC727745	0.576	0
LOC727746	3.954	0
LOC727747	0.806	0.21
LOC727748	3.552	0
LOC727749	0.93	0
LOC727750	0.726	0
LOC727751	0.941	0
LOC727752	1.294	0
LOC727753	5.119	0
LOC727754	1.824	0
LOC727755	2.191	0
LOC727756	1.076	0

LOC727758	1.319	4.02
LOC727759	2.167	0
LOC727761	1.507	0
LOC727762	1.978	0
LOC727764	1.979	0
LOC727767	1.222	0
LOC727768	1.642	0.26
LOC727769	0.495	1.19
LOC727770	33.17	0.01
LOC727771	0.54	0
LOC727773	5.464	0
LOC727775	2.39	0
LOC727776	1.362	0.43
LOC727777	0.78	0.43
LOC727778	7.873	0
LOC727779	0.509	0.16
LOC727780	0.575	0
LOC727781	3.282	0
LOC727784	1.222	0
LOC727785	0.708	0
LOC727786	0.716	0.12
LOC727787	0.996	0
LOC727788	3.331	0
LOC727789	0.893	3.11
LOC727791	2.928	0.03
LOC727792	0.162	7.28
LOC727793	1.416	0.54
LOC727794	0.597	0
LOC727795	1.227	0.41
LOC727796	0.393	8.14
LOC727797	3.661	0
LOC727798	0.537	0
LOC727799	0.978	0.52
LOC727801	0.708	0.12
LOC727802	0.738	0.23
LOC727803	0.898	2.54
LOC727804	2.06	1.71
LOC727805	11.086	0.12
LOC727806	32.835	0.01
LOC727807	4.868	0
LOC727808	1.479	0
LOC727809	1.765	0.05
LOC727810	0.47	2.51
LOC727811	3.028	0
LOC727812	0.567	0
LOC727813	0.444	0
LOC727814	0.432	0
LOC727815	2.406	0.63
LOC727816	0.735	12.95
LOC727817	0.453	0

LOC727818	4.506	0
LOC727819	0.317	0
LOC727820	8.16	0.24
LOC727821	0.559	0.76
LOC727822	0.84	0
LOC727823	0.27	0
LOC727824	1.221	0
LOC727825	6.328	0
LOC727826	0.565	1687.4
LOC727827	0.791	0
LOC727828	6.773	0
LOC727829	0.636	0.53
LOC727830	4.197	0
LOC727831	0.637	6.09
LOC727832	3.703	0
LOC727833	1.527	0.66
LOC727834	6.697	0
LOC727835	0.788	0.11
LOC727836	1.603	0
LOC727837	1.344	0
LOC727838	0.855	0
LOC727839	4.151	0.43
LOC727840	0.576	0
LOC727841	0.831	0
LOC727842	1.307	3.54
LOC727843	1.72	0.98
LOC727844	0.49	0
LOC727845	0.258	0.65
LOC727846	1.328	0.38
LOC727847	0.522	0
LOC727848	1.236	0
LOC727849	0.941	0
LOC727852	1.928	0.22
LOC727853	0.825	0
LOC727854	0.189	0
LOC727855	9.61	0
LOC727856	1.64	0
LOC727857	1.872	0
LOC727858	4.166	0.22
LOC727859	20.612	0
LOC727860	0.549	0
LOC727861	1.515	0
LOC727862	0.524	0
LOC727863	0.852	0
LOC727864	0.879	0
LOC727865	0.711	2.01
LOC727866	3.398	2.75
LOC727867	1.155	0
LOC727868	27.16	0
LOC727869	1.117	3.47

LOC727870	0.548	0
LOC727872	1.438	2.34
LOC727873	0.567	0
LOC727874	0.567	2.38
LOC727875	0.879	0
LOC727877	4.131	0
LOC727878	0.47	0
LOC727879	0.449	0
LOC727880	3.938	0
LOC727881	0.426	0
LOC727882	9.944	0
LOC727883	0.306	0
LOC727884	1.729	3.31
LOC727885	0.573	0
LOC727886	0.555	0
LOC727887	1.675	0.2
LOC727888	13.231	0
LOC727889	0.372	0
LOC727890	1.8	0
LOC727891	27.479	0.06
LOC727892	0.879	0
LOC727893	3.033	0
LOC727894	0.312	0
LOC727895	0.709	0.83
LOC727896	2.697	0.56
LOC727898	1.185	0
LOC727899	0.554	0
LOC727900	2.284	6.2
LOC727901	17.065	0
LOC727902	0.288	0
LOC727903	0.687	0.25
LOC727904	0.33	1.53
LOC727905	3.621	0
LOC727906	0.369	0
LOC727907	0.879	0
LOC727908	2.76	0
LOC727909	5.11	0.18
LOC727910	1.335	0
LOC727911	0.426	0
LOC727912	1.032	0
LOC727913	0.402	0.21
LOC727914	14.509	0.02
LOC727915	0.478	0
LOC727916	2	0.17
LOC727917	0.879	0
LOC727918	2.428	2.63
LOC727920	0.559	0.45
LOC727921	3.41	1.31
LOC727922	23.002	0
LOC727923	0.925	5.19

LOC727924	0.554	0
LOC727926	0.958	0.18
LOC727927	4.124	0
LOC727928	2.207	0.38
LOC727929	0.874	11.76
LOC727930	40.769	0.01
LOC727931	0.237	9.24
LOC727932	0.879	0
LOC727933	0.564	0
LOC727934	1.759	0.24
LOC727935	0.593	0
LOC727936	1.547	0
LOC727937	0.615	0.55
LOC727938	1.814	0.65
LOC727939	0.84	0.2
LOC727940	1.309	0
LOC727941	66.426	0
LOC727942	5.773	0
LOC727943	1.296	0.13
LOC727944	0.713	0
LOC727945	1.684	0
LOC727946	0.879	0
LOC727947	0.394	16.04
LOC727948	2.603	0
LOC727949	0.6	0.28
LOC727950	2.13	0
LOC727951	1.662	0
LOC727952	0.879	0
LOC727953	0.362	0
LOC727954	0.639	0
LOC727955	0.486	0
LOC727957	5.308	1.02
LOC727958	0.258	0
LOC727959	0.756	0
LOC727960	1.852	0
LOC727962	22.156	0.01
LOC727963	69.624	0.01
LOC727964	5.007	0
LOC727965	0.843	0
LOC727966	1.815	0
LOC727967	2.05	3.57
LOC727968	0.879	0
LOC727969	0.501	0
LOC727970	1.029	0.41
LOC727971	0.833	0
LOC727972	1.122	0
LOC727973	1.06	0
LOC727974	0.978	0
LOC727975	0.459	0
LOC727976	0.429	0.59

LOC727977	1.163	0.51
LOC727978	1.653	0.61
LOC727979	0.879	0
LOC727980	1.566	0.11
LOC727981	0.54	0
LOC727982	0.507	0
LOC727983	2.46	0
LOC727984	0.591	0.14
LOC727985	1.061	0
LOC727986	0.375	0
LOC727987	10.621	0.01
LOC727988	0.843	0
LOC727989	0.579	0.29
LOC727990	0.879	0
LOC727991	1.372	0.19
LOC727992	0.348	0
LOC727993	0.526	0
LOC727994	0.39	0
LOC727995	0.891	0
LOC727996	1.627	0
LOC727997	0.423	0.8
LOC727998	0.474	0
LOC727999	0.545	0
LOC728000	0.615	0
LOC728001	0.879	0
LOC728002	0.574	5.29
LOC728003	12.838	1.67
LOC728004	2.13	0
LOC728006	1.072	2.2
LOC728007	1.039	0
LOC728008	1.419	0.77
LOC728009	0.541	5.91
LOC728010	0.607	0.7
LOC728011	1.827	0.14
LOC728012	1.069	0
LOC728013	0.842	0
LOC728014	1.141	1.85
LOC728015	1.37	0.25
LOC728016	0.345	0
LOC728017	0.476	0.53
LOC728018	0.691	0.48
LOC728019	1.007	0.33
LOC728020	2.085	0.16
LOC728021	1.542	0.05
LOC728022	2.682	0
LOC728023	0.387	19.37
LOC728025	1.12	0.15
LOC728026	0.33	1.28
LOC728027	26.814	0
LOC728028	10.768	0

LOC728029	0.534	0
LOC728030	1.113	1.14
LOC728031	1.082	1.71
LOC728033	0.588	0
LOC728034	0.502	0
LOC728035	0.593	0
LOC728037	16.833	0
LOC728038	0.525	0.32
LOC728041	6.221	1.49
LOC728043	0.219	0
LOC728044	42.489	0.19
LOC728045	0.387	0
LOC728046	2.243	1.43
LOC728047	5.478	0.05
LOC728048	0.566	3.27
LOC728050	0.351	0
LOC728051	1.503	2.24
LOC728052	0.863	0
LOC728053	13.019	0.01
LOC728054	1.99	0
LOC728055	2.107	1.08
LOC728056	2.735	0
LOC728057	1.012	0
LOC728058	1.366	0.68
LOC728059	1.056	1.99
LOC728060	1.005	3.27
LOC728063	0.66	0
LOC728064	78.345	0
LOC728065	0.908	0
LOC728066	1.992	0.63
LOC728067	0.705	0
LOC728068	1.215	0
LOC728069	2.334	3.03
LOC728071	2.405	6.97
LOC728073	1.694	0
LOC728074	0.903	0
LOC728076	0.46	0
LOC728077	0.723	0
LOC728078	0.477	0
LOC728079	0.819	0
LOC728080	4.893	0.12
LOC728083	1.605	0.53
LOC728085	0.402	0
LOC728086	0.416	0
LOC728087	0.345	0
LOC728088	0.65	3.5
LOC728089	0.563	0
LOC728091	0.585	0
LOC728092	1.224	0
LOC728093	3.598	0

LOC728094	0.993	0
LOC728095	0.548	0
LOC728097	0.618	0
LOC728098	12.398	0.54
LOC728099	3.809	0.03
LOC728100	3.609	0
LOC728101	1.443	0.18
LOC728102	1.878	0.59
LOC728103	1.097	0
LOC728104	0.754	0
LOC728105	3.332	0.03
LOC728106	0.716	0
LOC728107	1.044	0.32
LOC728108	0.342	0
LOC728109	0.45	0
LOC728110	1.964	24.45
LOC728112	0.585	3.17
LOC728113	2.036	0
LOC728114	0.965	0
LOC728115	0.942	3.13
LOC728117	1.956	0
LOC728118	4.872	0
LOC728119	2.268	0
LOC728120	0.66	0.13
LOC728121	20.094	0
LOC728122	0.362	0
LOC728123	0.838	0
LOC728124	0.726	0
LOC728125	0.39	0
LOC728126	8.963	0.13
LOC728128	0.891	0.48
LOC728129	0.878	0
LOC728130	4.871	0.03
LOC728131	1.493	112.9
LOC728132	1.178	0
LOC728133	0.885	0
LOC728134	0.52	3.56
LOC728135	0.969	0
LOC728136	0.972	0
LOC728137	1.16	0
LOC728138	2.619	2.15
LOC728139	0.899	2.15
LOC728140	1.566	0
LOC728141	0.3	0
LOC728142	0.6	0.99
LOC728143	0.503	0.67
LOC728144	4.835	0.03
LOC728145	2.944	0
LOC728146	2.194	0
LOC728147	2.31	0

LOC728148	0.747	0
LOC728149	0.643	2.35
LOC728150	0.632	0
LOC728151	1.074	2.82
LOC728152	0.542	0
LOC728153	2.904	0.32
LOC728154	0.477	0
LOC728155	1.41	0
LOC728156	45.677	0.02
LOC728157	0.45	0
LOC728160	2.643	0
LOC728161	0.723	0
LOC728162	1.47	0.23
LOC728163	0.324	0
LOC728164	0.762	0.33
LOC728165	0.552	0
LOC728166	0.561	0
LOC728167	6.194	0
LOC728168	0.714	0.36
LOC728169	0.633	0
LOC728170	1.336	0.38
LOC728171	0.637	0
LOC728172	0.402	0.21
LOC728173	0.472	0
LOC728174	0.488	0
LOC728175	0.572	1.91
LOC728176	0.835	2.82
LOC728177	0.756	0.22
LOC728178	1.497	0.17
LOC728179	0.866	0.78
LOC728180	0.627	0
LOC728181	0.989	0
LOC728182	0.582	0
LOC728183	0.541	0.31
LOC728184	1.594	0.74
LOC728185	0.472	0.71
LOC728186	2.446	0
LOC728187	0.607	0.28
LOC728188	1.696	0
LOC728189	0.855	0
LOC728190	1.061	0.79
LOC728191	0.61	0
LOC728192	0.907	0
LOC728193	0.553	0
LOC728194	3.106	0
LOC728195	0.333	0
LOC728196	1.144	0
LOC728197	0.541	0
LOC728198	2.689	0
LOC728199	73.276	0

LOC728200	0.822	0
LOC728201	0.414	0
LOC728203	1.426	0
LOC728204	9.022	0
LOC728205	0.751	1.01
LOC728206	635.771	0
LOC728207	0.497	1.87
LOC728208	0.586	0
LOC728209	0.469	0
LOC728210	0.753	0.11
LOC728211	1.58	1.39
LOC728212	1.33	0
LOC728213	0.568	1.19
LOC728214	0.636	0
LOC728215	3.482	0
LOC728216	1.627	0
LOC728217	0.829	1.83
LOC728218	0.76	0
LOC728219	0.767	0
LOC728220	0.417	0
LOC728221	1.176	0
LOC728222	0.545	0
LOC728224	1.548	0
LOC728225	30.706	4.46
LOC728226	1.658	0
LOC728227	1.38	0
LOC728229	3.448	0.07
LOC728230	0.453	0
LOC728231	0.81	0
LOC728232	0.342	0
LOC728233	23.854	0.61
LOC728234	0.261	0
LOC728235	0.525	0
LOC728236	0.477	0
LOC728237	0.735	0
LOC728238	0.872	3.67
LOC728240	1.134	0
LOC728241	0.567	0
LOC728242	0.713	0
LOC728243	8.561	0
LOC728244	5.902	0.71
LOC728245	0.652	0
LOC728246	0.366	0
LOC728247	10.671	0.02
LOC728248	29.761	0
LOC728249	1.187	0.64
LOC728250	0.398	0
LOC728251	0.435	0
LOC728252	0.911	0.55
LOC728253	1.627	0.05

LOC728254	3.853	0.04
LOC728255	0.366	0
LOC728256	1.146	2.86
LOC728257	4.287	0.06
LOC728259	1.222	0
LOC728260	0.918	0
LOC728261	0.966	0.08
LOC728262	1.275	0
LOC728263	32.972	0.01
LOC728264	1.35	0
LOC728266	1.222	0
LOC728267	0.294	0
LOC728268	1.626	0
LOC728269	1.826	0
LOC728270	0.414	0
LOC728271	4.106	0
LOC728272	1.298	4.21
LOC728273	0.645	0
LOC728274	58.419	0
LOC728275	1.152	0
LOC728276	0.411	0
LOC728277	2.145	0.31
LOC728278	2.367	0
LOC728279	0.436	0
LOC728280	0.366	10.82
LOC728281	0.516	0
LOC728282	0.393	0
LOC728284	0.565	0
LOC728285	0.875	0
LOC728286	1.296	0.2
LOC728287	1.554	5.31
LOC728288	1.634	0.36
LOC728289	0.609	0
LOC728290	0.449	0
LOC728291	6.101	0.07
LOC728292	0.561	0
LOC728295	9.46	0
LOC728296	0.201	0
LOC728297	0.844	0
LOC728298	1.317	5.37
LOC728300	1.834	0.19
LOC728301	0.451	0
LOC728302	1.365	0
LOC728303	0.312	1.08
LOC728304	0.531	0
LOC728305	0.411	0
LOC728306	1.05	0
LOC728307	5.805	0
LOC728308	0.47	15.95
LOC728309	1.663	0.05

LOC728310	1.461	0
LOC728311	0.24	0.35
LOC728312	63.119	0
LOC728313	0.306	0
LOC728314	2.421	0.17
LOC728315	0.797	0.85
LOC728316	0.591	0
LOC728317	6.087	0
LOC728318	0.906	0
LOC728319	0.942	0.09
LOC728320	4.192	0
LOC728321	0.882	1.24
LOC728322	0.492	0.17
LOC728323	43.757	0.03
LOC728324	0.766	1.43
LOC728325	0.306	0.83
LOC728326	0.885	1.81
LOC728328	1.287	0.07
LOC728329	0.6	0
LOC728330	0.216	0
LOC728331	0.711	0
LOC728332	1.125	0.15
LOC728333	1.813	0.14
LOC728334	2.275	0
LOC728335	0.909	0
LOC728336	0.477	2.29
LOC728337	0.345	0
LOC728338	1.287	0
LOC728339	1.645	0.61
LOC728340	4.645	0.29
LOC728341	0.51	0
LOC728342	0.689	0
LOC728343	4.062	0
LOC728344	37.346	0.19
LOC728345	0.51	0
LOC728346	0.797	0
LOC728347	0.88	0
LOC728348	0.444	0
LOC728349	0.702	0
LOC728350	1.376	15.12
LOC728351	1.177	0
LOC728352	3.112	0.62
LOC728353	0.831	0.31
LOC728354	0.24	0
LOC728355	0.444	0
LOC728356	0.456	0
LOC728357	0.557	0
LOC728358	0.493	14.87
LOC728359	0.384	0
LOC728360	0.871	0

LOC728361	0.84	0
LOC728362	0.674	0.13
LOC728363	0.681	1.61
LOC728364	4.277	0
LOC728365	0.171	0
LOC728366	0.519	2.92
LOC728367	0.279	9.06
LOC728368	0.793	0.11
LOC728369	1.593	0
LOC728370	0.906	0
LOC728371	13.562	0
LOC728372	0.591	0.71
LOC728373	1.593	0
LOC728374	0.635	3.19
LOC728375	0.591	0
LOC728376	0.519	0
LOC728377	5.571	0.44
LOC728378	3.989	0.06
LOC728379	1.593	0
LOC728380	0.818	0.31
LOC728381	1.773	0.05
LOC728382	3.175	0
LOC728383	0.518	0
LOC728384	30.377	0
LOC728385	0.585	0
LOC728386	1.593	0
LOC728387	1.119	0
LOC728388	2.219	0
LOC728389	0.552	1.53
LOC728390	1.213	2.57
LOC728391	1.498	3.37
LOC728392	4.556	1.83
LOC728393	1.593	0
LOC728394	0.375	0
LOC728395	1.178	0
LOC728396	0.234	0
LOC728397	1.258	2.68
LOC728398	0.222	0
LOC728399	0.246	0
LOC728400	1.593	0
LOC728401	7.009	0.07
LOC728402	0.74	0.34
LOC728403	1.16	0
LOC728405	1.593	0
LOC728406	1.533	0.05
LOC728407	1.137	0.59
LOC728408	1.799	0
LOC728410	2.672	0
LOC728411	0.732	0.58
LOC728412	1.16	0

LOC728413	1.185	0
LOC728414	0.972	0
LOC728415	0.363	0
LOC728416	0.486	0
LOC728417	4.459	0.02
LOC728418	2.46	0
LOC728419	1.593	0
LOC728420	0.663	0.25
LOC728421	0.39	0
LOC728422	0.384	0
LOC728423	54.231	0.04
LOC728424	5.665	0
LOC728425	1.275	0
LOC728426	0.327	0
LOC728427	0.456	0
LOC728428	0.565	7.16
LOC728429	3.784	0
LOC728430	1.395	0
LOC728431	1.088	0.31
LOC728432	0.621	0.41
LOC728433	0.393	0
LOC728435	0.681	0
LOC728436	0.771	0
LOC728438	1.627	0.36
LOC728439	0.963	0
LOC728440	0.681	0
LOC728442	1.094	0
LOC728443	0.643	0
LOC728444	0.681	0
LOC728445	1.357	0.13
LOC728446	1.188	0.49
LOC728447	1.469	0
LOC728448	20.546	0.02
LOC728449	1.901	0
LOC728450	0.524	0
LOC728451	2.004	0
LOC728452	4.324	0
LOC728453	0.21	0
LOC728454	0.336	0
LOC728455	1.047	0
LOC728456	0.396	2.97
LOC728457	0.681	0
LOC728459	0.452	0
LOC728460	0.441	0
LOC728462	12.174	0
LOC728463	2.105	0
LOC728464	0.798	0
LOC728465	0.681	0
LOC728466	0.33	0
LOC728467	4.263	3.89

LOC728468	2.277	0.22
LOC728469	2.708	0
LOC728470	0.729	0
LOC728471	0.756	0
LOC728472	0.228	0
LOC728473	1.246	0
LOC728474	1.542	0
LOC728475	0.426	0
LOC728476	1.227	0
LOC728477	3.649	0.03
LOC728478	0.429	4.32
LOC728479	0.663	0
LOC728480	1.509	0
LOC728481	7.802	0
LOC728482	0.456	0
LOC728483	0.357	0
LOC728484	0.483	0.7
LOC728485	1.918	0.22
LOC728486	6.375	0.08
LOC728487	0.972	0
LOC728488	13.689	0
LOC728490	0.768	0
LOC728492	5.218	0.05
LOC728493	1.042	0
LOC728494	0.456	0
LOC728495	1.978	0
LOC728496	12.148	0
LOC728497	1.104	0
LOC728498	13.724	0.07
LOC728499	3.505	0
LOC728500	0.615	0
LOC728501	0.57	0.29
LOC728502	1.481	6.94
LOC728503	1.015	0
LOC728504	1.111	0.08
LOC728506	13.578	0
LOC728507	0.765	0
LOC728508	1.149	0.08
LOC728509	3.388	2.16
LOC728510	0.518	0
LOC728511	0.896	0.56
LOC728512	0.39	51.63
LOC728513	1.2	0
LOC728514	1.266	0
LOC728515	0.285	0.88
LOC728516	0.412	0
LOC728517	6.691	0
LOC728518	1.406	0.3
LOC728519	5.352	0
LOC728520	1.139	0.08

LOC728521	0.684	0
LOC728522	1.878	2.74
LOC728523	0.576	1.31
LOC728524	0.798	0
LOC728525	0.588	0
LOC728526	3.46	0
LOC728527	0.406	0
LOC728528	0.459	0
LOC728529	0.426	0
LOC728530	0.926	0.18
LOC728531	0.714	0.47
LOC728532	19.929	1.01
LOC728533	2.377	6.02
LOC728534	0.788	0
LOC728535	0.788	0
LOC728536	1.224	0.76
LOC728537	1.069	0.63
LOC728538	0.476	1.95
LOC728539	1.183	0
LOC728540	3.461	0
LOC728541	0.861	3.23
LOC728542	1.065	0
LOC728543	1.479	0.23
LOC728544	0.947	0
LOC728545	0.388	0.22
LOC728546	0.693	2.18
LOC728547	0.954	0.08
LOC728548	0.624	0.27
LOC728549	0.783	0.43
LOC728550	2.136	0
LOC728551	0.294	11.46
LOC728552	0.579	0
LOC728553	0.729	866.39
LOC728554	10.849	2.95
LOC728555	0.981	0
LOC728557	0.702	0
LOC728558	0.647	0.52
LOC728559	1.2	0
LOC728560	2.998	9.83
LOC728561	0.813	1.14
LOC728562	4.47	0.13
LOC728563	0.12	0
LOC728564	4.601	0.59
LOC728565	94.501	0
LOC728566	0.534	0
LOC728567	0.488	2.42
LOC728569	0.738	0
LOC728570	1.26	0.2
LOC728571	1.71	0
LOC728572	0.409	0.82

LOC728573	2.209	0
LOC728574	1.167	0
LOC728575	3.46	0
LOC728576	0.966	4.63
LOC728577	5.222	0
LOC728578	1.794	0
LOC728579	0.729	0
LOC728580	0.591	0
LOC728581	0.402	0
LOC728582	0.951	0
LOC728583	0.468	0
LOC728584	0.573	0
LOC728585	0.645	0.78
LOC728587	0.408	0
LOC728588	0.87	0
LOC728589	2.565	2.79
LOC728590	0.565	26.54
LOC728591	0.98	0.17
LOC728592	1.898	0.22
LOC728593	0.327	0
LOC728594	0.66	0
LOC728595	0.454	0.19
LOC728596	0.441	0
LOC728597	1.596	0
LOC728598	1.122	0
LOC728599	2.04	3.3
LOC728600	0.927	0
LOC728601	1.603	0
LOC728602	15.548	0.7
LOC728603	1.425	0.12
LOC728604	1.134	0
LOC728605	0.765	0
LOC728607	0.555	0.15
LOC728610	0.849	0.2
LOC728611	8.545	0.01
LOC728612	2.314	0.11
LOC728613	2.362	2.04
LOC728614	1.823	0
LOC728615	4.498	0
LOC728616	0.474	0
LOC728617	0.762	3.2
LOC728618	0.546	0
LOC728619	1.446	0.18
LOC728620	0.744	0.68
LOC728622	0.871	17.8
LOC728623	5.248	1.34
LOC728624	0.635	0
LOC728625	0.45	0
LOC728626	0.826	0
LOC728627	1.288	0

LOC728628	0.645	0
LOC728629	1.484	0
LOC728630	2.673	0.06
LOC728631	0.366	0
LOC728632	1.245	0.07
LOC728633	0.279	0
LOC728634	0.807	0
LOC728635	1.249	0.41
LOC728636	13.088	0
LOC728637	1.04	0
LOC728639	0.906	0
LOC728640	2.52	0.17
LOC728641	1.038	0.97
LOC728642	2.415	18.69
LOC728643	1.064	0.64
LOC728644	55.391	0
LOC728645	0.627	0.94
LOC728646	1.683	0.3
LOC728647	1.459	0
LOC728648	1.215	0
LOC728649	1.85	0.04
LOC728650	0.447	0
LOC728651	1.206	2.3
LOC728652	0.33	0
LOC728653	2.556	0.03
LOC728654	0.584	0
LOC728655	0.484	0
LOC728656	1.524	0
LOC728657	4.21	0
LOC728658	0.715	517.55
LOC728659	1.467	0
LOC728660	0.59	0
LOC728661	6.292	28.97
LOC728662	0.224	0
LOC728663	0.396	0
LOC728664	1.522	1.38
LOC728665	1.006	0
LOC728666	0.893	1.04
LOC728667	0.486	0
LOC728668	1.143	0
LOC728669	0.519	110.04
LOC728670	1.308	0
LOC728671	0.855	0
LOC728672	1.757	8.43
LOC728673	1.48	0.06
LOC728674	0.774	0
LOC728675	0.18	0
LOC728676	0.714	0
LOC728677	2.186	0.23
LOC728678	3.291	0.03

LOC728679	0.933	0
LOC728680	0.768	0.76
LOC728681	0.705	1.67
LOC728682	0.207	0
LOC728683	1.366	0
LOC728684	0.642	0
LOC728685	2.292	0
LOC728686	0.417	0.4
LOC728687	2.055	0
LOC728688	1.839	22.3
LOC728689	4.034	53.33
LOC728690	1.812	0
LOC728691	0.63	0
LOC728692	1.584	0.74
LOC728693	0.572	0.74
LOC728694	0.58	0
LOC728696	0.723	0
LOC728697	0.594	0
LOC728698	6.566	2.36
LOC728699	0.483	0.53
LOC728700	1.031	0
LOC728701	1.865	0
LOC728702	0.627	0
LOC728703	0.3	3.08
LOC728704	2.73	0.65
LOC728705	2.176	0.7
LOC728706	1.011	2.25
LOC728707	1.361	0
LOC728708	71.841	0
LOC728709	0.818	0
LOC728710	0.297	0
LOC728711	0.9	0
LOC728713	0.231	56.89
LOC728714	0.48	0.18
LOC728715	0.659	5.49
LOC728717	0.777	0
LOC728718	0.339	0
LOC728719	2.571	0.85
LOC728720	1.62	0
LOC728721	0.624	0.14
LOC728722	0.432	0
LOC728723	0.609	0.28
LOC728725	4.246	0
LOC728726	0.555	0.15
LOC728727	0.797	0.21
LOC728728	4.059	0.02
LOC728729	0.429	0.39
LOC728730	0.73	1.16
LOC728731	5.52	0
LOC728732	1.259	1.27

LOC728734	3.94	0
LOC728735	110.054	0.05
LOC728736	0.429	0
LOC728737	1.027	7.79
LOC728738	0.498	0
LOC728739	1.77	0.66
LOC728741	4.253	0
LOC728742	2.3	0.07
LOC728744	1.654	0.15
LOC728745	0.957	0
LOC728746	1.954	0
LOC728747	3.968	0
LOC728748	1.755	0
LOC728749	0.748	0
LOC728750	0.324	0
LOC728751	0.894	0
LOC728752	0.636	0.93
LOC728753	1.954	0
LOC728754	0.412	0
LOC728755	0.569	0
LOC728756	0.825	0
LOC728757	0.384	0
LOC728759	60.392	0.03
LOC728760	1.777	0
LOC728761	1.809	0.04
LOC728762	0.444	0
LOC728763	4.59	0
LOC728764	4.166	0.35
LOC728765	1.72	0
LOC728766	1.481	2.79
LOC728767	0.444	0
LOC728768	0.64	0
LOC728769	1.776	4.93
LOC728770	5.198	0
LOC728771	0.606	0
LOC728772	4.025	0
LOC728773	2.033	1.5
LOC728774	0.39	0.43
LOC728775	0.74	0.23
LOC728777	0.459	0
LOC728778	2.297	3.08
LOC728779	0.456	0
LOC728780	2.292	0.03
LOC728781	0.593	0.14
LOC728782	0.571	0
LOC728783	9.457	0
LOC728784	0.447	0
LOC728785	0.471	3.04
LOC728787	3.079	11.11
LOC728788	0.993	0

LOC728789	2.359	0
LOC728790	2.336	0
LOC728791	0.531	2.7
LOC728792	0.645	0.13
LOC728793	0.438	0
LOC728794	0.324	1.56
LOC728796	0.978	0
LOC728797	1.956	0
LOC728798	1.425	0.12
LOC728799	2.671	0
LOC728800	1.148	0
LOC728801	0.99	0
LOC728802	4.301	0.08
LOC728804	4.812	0.09
LOC728805	1.625	0
LOC728806	2	0.76
LOC728807	16.322	0.14
LOC728808	0.576	0
LOC728809	2.211	0
LOC728810	0.324	0
LOC728811	15.175	0.01
LOC728812	0.49	0
LOC728813	4.201	0
LOC728814	0.63	0
LOC728815	0.588	0.58
LOC728816	0.697	0
LOC728817	1.957	0.99
LOC728818	0.757	0.33
LOC728820	0.497	1.02
LOC728821	0.429	0
LOC728822	0.828	0
LOC728823	0.466	0
LOC728824	1.716	0
LOC728825	1.069	0.39
LOC728826	0.327	0
LOC728827	0.762	0
LOC728828	0.684	0
LOC728829	0.498	0
LOC728830	0.803	0
LOC728831	0.513	0.5
LOC728832	3.734	0.04
LOC728833	1.261	0.07
LOC728834	0.554	0
LOC728835	2.035	0
LOC728836	1.468	0
LOC728837	0.864	0
LOC728838	0.758	0
LOC728839	0.444	0
LOC728840	0.324	0
LOC728841	89.339	0

LOC728842	0.484	0
LOC728843	0.811	0.2
LOC728844	0.817	27.22
LOC728845	0.369	0.91
LOC728846	0.81	0.1
LOC728847	0.573	0
LOC728848	0.948	2.04
LOC728849	10.12	0
LOC728850	1.925	0
LOC728851	1.208	0.9
LOC728852	1.038	0.16
LOC728853	10.792	0.01
LOC728854	1.613	0.05
LOC728855	0.536	2.36
LOC728856	1.422	0
LOC728857	0.494	0
LOC728860	3.807	0
LOC728861	0.561	0
LOC728862	3.426	5.31
LOC728863	1.323	0.51
LOC728864	0.642	0
LOC728866	3.167	0
LOC728867	0.489	0
LOC728868	2.626	0.2
LOC728869	0.332	0.25
LOC728870	0.621	0
LOC728871	0.39	0.43
LOC728872	0.876	0
LOC728873	0.342	4.93
LOC728874	1.291	10.89
LOC728875	0.536	2.36
LOC728876	0.537	0.15
LOC728877	0.492	0
LOC728878	0.93	0
LOC728879	0.744	0
LOC728880	0.414	0
LOC728882	3.489	0.17
LOC728883	1.05	0
LOC728884	0.519	0
LOC728885	0.348	0
LOC728886	2.1	0
LOC728887	1.14	2.21
LOC728888	31.849	0.08
LOC728889	1.05	0
LOC728890	1.64	0
LOC728891	6.3	0
LOC728892	0.516	11.91
LOC728893	0.771	0
LOC728894	1.581	0
LOC728895	9.275	0.13

LOC728896	1.044	0.81
LOC728897	0.441	0
LOC728898	0.702	0
LOC728899	0.228	0
LOC728900	20.143	0
LOC728901	2.336	0
LOC728902	1.044	0
LOC728903	3.915	0
LOC728904	0.728	0
LOC728905	2.359	0
LOC728906	1.122	0
LOC728907	0.984	0
LOC728908	4.012	0
LOC728909	0.42	0.8
LOC728910	0.497	0.17
LOC728912	3.539	0.12
LOC728913	3.36	5.47
LOC728914	0.638	0.26
LOC728915	0.813	0.31
LOC728916	1.653	0
LOC728917	1.443	0.76
LOC728919	1.451	0
LOC728920	5.372	0.02
LOC728921	0.835	2.22
LOC728922	0.465	0
LOC728923	1.003	7.48
LOC728924	0.827	0.1
LOC728925	0.842	0
LOC728926	2.012	0.25
LOC728927	1.317	0.96
LOC728928	0.882	0.76
LOC728929	1.877	0
LOC728930	0.667	0.75
LOC728931	1.442	1.64
LOC728932	1.523	0.06
LOC728933	1.029	0
LOC728934	0.875	0
LOC728935	1.239	0
LOC728936	10.335	0.11
LOC728937	0.49	0
LOC728939	3.88	0.02
LOC728940	0.628	0
LOC728941	0.597	0.28
LOC728942	1.024	0
LOC728943	0.797	0
LOC728944	2.256	0
LOC728945	1.136	0
LOC728946	0.903	0
LOC728947	0.213	0
LOC728948	0.339	0.25

LOC728949	0.432	0
LOC728950	0.705	0
LOC728951	0.972	0
LOC728952	0.366	0
LOC728953	0.506	295.82
LOC728954	1.793	2.77
LOC728955	0.322	0
LOC728956	1.203	0
LOC728957	3.683	0
LOC728958	0.72	0.71
LOC728959	0.54	0
LOC728960	0.579	0.14
LOC728961	0.796	0
LOC728962	0.279	0.31
LOC728963	0.914	0
LOC728964	2.129	0.4
LOC728965	2.163	0
LOC728966	0.44	0
LOC728967	1.996	0
LOC728968	1.428	0
LOC728969	4.055	2.2
LOC728970	0.688	0
LOC728971	0.948	0.54
LOC728972	0.69	0.12
LOC728973	0.691	1.7
LOC728974	1.753	1.3
LOC728975	1.857	1.73
LOC728976	1.821	0
LOC728977	0.603	0.14
LOC728979	0.686	37.21
LOC728980	3.211	1.6
LOC728981	0.639	0
LOC728982	0.504	0
LOC728983	1.122	0
LOC728984	0.696	0.85
LOC728985	0.6	0
LOC728986	0.264	0.64
LOC728987	0.564	0
LOC728988	0.581	1.16
LOC728989	1.876	1.04
LOC728990	35.733	0.01
LOC728991	2.143	0.04
LOC728992	0.894	0.76
LOC728993	0.837	0
LOC728994	1.136	2.67
LOC728995	2.907	94.03
LOC728996	2.48	0.31
LOC728997	0.6	0
LOC728998	0.285	0
LOC729000	0.825	0

LOC729001	0.261	0
LOC729002	0.564	0.15
LOC729003	3.906	3.08
LOC729004	0.734	0.92
LOC729005	0.378	0.66
LOC729006	0.547	0
LOC729007	0.456	0
LOC729008	2.153	0.16
LOC729009	22.822	0.03
LOC729010	0.994	0.34
LOC729011	0.731	0
LOC729012	0.799	3.27
LOC729013	1.165	4.99
LOC729014	1.497	0
LOC729015	1.167	0
LOC729016	0.759	1.89
LOC729017	0.936	0.45
LOC729018	0.84	0.5
LOC729021	6.544	0.79
LOC729022	0.813	0.31
LOC729023	12.784	0
LOC729024	0.621	0.14
LOC729025	1.74	0
LOC729026	0.534	0
LOC729027	1.191	1.27
LOC729028	0.906	0
LOC729029	1.61	1.36
LOC729030	0.888	6.74
LOC729031	0.255	0
LOC729032	0.354	0
LOC729033	2.236	0.03
LOC729034	3.057	0
LOC729035	0.378	0.67
LOC729036	1.287	0
LOC729037	0.654	0
LOC729038	0.42	0
LOC729039	1.227	0
LOC729040	1.046	0
LOC729041	1.035	0.08
LOC729042	0.603	0.42
LOC729043	1.215	0.14
LOC729044	1.098	0.23
LOC729045	0.859	0.2
LOC729046	1.428	0.65
LOC729047	2.751	0
LOC729048	0.543	0.47
LOC729049	2.882	0.12
LOC729050	1.434	0
LOC729051	0.551	0
LOC729053	0.387	0

LOC729054	0.949	0.26
LOC729055	12.451	0
LOC729056	0.312	0
LOC729057	1.565	0.21
LOC729059	0.952	0
LOC729060	1.049	0.16
LOC729061	0.516	0
LOC729062	0.432	0.19
LOC729063	0.72	68.56
LOC729064	0.477	0.71
LOC729065	0.725	0
LOC729066	0.135	0
LOC729067	0.246	0
LOC729068	0.348	0.24
LOC729069	0.526	0
LOC729070	0.788	0
LOC729071	0.393	0
LOC729072	0.615	0
LOC729073	1.328	0
LOC729074	25.563	0
LOC729075	0.195	3.03
LOC729076	0.432	0
LOC729077	0.324	0
LOC729078	0.59	0
LOC729079	0.885	1.14
LOC729080	1.08	0
LOC729081	1.89	0
LOC729082	0.943	6.79
LOC729083	0.897	0
LOC729084	0.528	0
LOC729085	2.628	0
LOC729086	2.95	5.22
LOC729087	0.759	0
LOC729088	1.375	1.59
LOC729089	1.455	0
LOC729090	7.158	0.16
LOC729093	2.081	0.25
LOC729094	0.706	0
LOC729095	0.756	0
LOC729096	12.696	0.06
LOC729097	0.781	25.88
LOC729098	0.585	0
LOC729099	0.615	0.14
LOC729100	0.183	0
LOC729101	0.601	0.28
LOC729102	0.946	0.54
LOC729103	0.714	0.36
LOC729104	0.594	1.84
LOC729105	45.852	0.01
LOC729106	0.693	0

LOC729107	0.537	0
LOC729108	1.323	0
LOC729109	0.916	2.48
LOC729110	0.333	0
LOC729111	0.375	0
LOC729112	0.543	0
LOC729113	0.579	0
LOC729114	0.978	0
LOC729115	0.33	0
LOC729116	0.225	0
LOC729117	0.585	0
LOC729118	8.376	0.17
LOC729119	0.615	11.37
LOC729120	1.117	0
LOC729121	0.881	0
LOC729122	0.628	0
LOC729123	1.463	0.12
LOC729124	0.903	5.23
LOC729125	0.378	0
LOC729126	0.489	0.17
LOC729127	2.068	0
LOC729128	0.378	0
LOC729129	0.666	0
LOC729130	0.553	0.15
LOC729131	7.056	0
LOC729132	0.522	0
LOC729133	0.705	0
LOC729134	0.579	0
LOC729135	3.901	1.52
LOC729136	1.167	0
LOC729137	2.198	0.04
LOC729138	0.397	90.81
LOC729139	0.129	5.22
LOC729140	0.312	0
LOC729141	10.499	0.03
LOC729142	2.012	0.13
LOC729143	3.802	11.03
LOC729144	0.744	0.34
LOC729145	0.471	0
LOC729146	0.579	6.11
LOC729147	1.008	0
LOC729148	3.877	2.28
LOC729149	1.137	0
LOC729150	1.664	0.1
LOC729151	0.861	0.3
LOC729152	0.891	0
LOC729153	5.812	0
LOC729154	1.502	3.14
LOC729155	0.195	0
LOC729156	1.452	0.23

LOC729157	1.5	0.62
LOC729158	0.552	0.15
LOC729159	1.248	0
LOC729160	0.447	0
LOC729161	0.559	0
LOC729162	1.152	0
LOC729163	0.668	0.13
LOC729165	0.453	0
LOC729166	0.864	0
LOC729167	0.645	0
LOC729168	13.537	0.07
LOC729169	1.824	0
LOC729170	0.953	0.08
LOC729172	2.428	2.15
LOC729173	2.188	0
LOC729174	0.501	0
LOC729175	0.908	0
LOC729176	2.201	0.69
LOC729177	1.993	0
LOC729178	0.333	0
LOC729179	1.458	0.46
LOC729180	0.633	0
LOC729181	0.273	2.78
LOC729182	2.298	0.11
LOC729183	0.489	0
LOC729184	0.936	0
LOC729185	1.207	0
LOC729186	0.642	0
LOC729187	1.615	0
LOC729188	0.457	0.19
LOC729189	1.577	0
LOC729190	0.765	0.11
LOC729191	3.079	0.74
LOC729192	0.786	0
LOC729193	4.008	0.13
LOC729194	0.567	6.39
LOC729195	2.661	0
LOC729196	1.292	0.07
LOC729197	11.355	0
LOC729198	0.775	1.63
LOC729199	2.216	0.03
LOC729200	0.715	5.66
LOC729202	0.414	0.41
LOC729203	1.354	0.06
LOC729204	1.015	0
LOC729205	0.678	0
LOC729206	0.687	0
LOC729207	0.81	0
LOC729208	0.519	0.32
LOC729209	1.338	3.97

LOC729210	0.549	0
LOC729211	22.577	0.04
LOC729212	2.575	1.87
LOC729213	63.289	0.01
LOC729214	1.048	0
LOC729215	0.869	1.16
LOC729216	17.802	0.02
LOC729217	142.009	0.02
LOC729218	1.04	0.25
LOC729219	0.687	0
LOC729221	0.579	0
LOC729222	57.739	0.01
LOC729223	0.864	0.98
LOC729225	1.76	0.57
LOC729226	12.669	0
LOC729227	0.744	0
LOC729228	0.687	0
LOC729229	0.509	0
LOC729230	4.871	0.21
LOC729231	1.5	0.17
LOC729232	0.771	1.64
LOC729233	1.847	0
LOC729234	12.593	0.24
LOC729235	0.687	0
LOC729236	0.559	361.66
LOC729238	3.672	0
LOC729239	0.417	0
LOC729240	1.847	0
LOC729241	0.546	0
LOC729242	0.557	0
LOC729243	0.366	1.39
LOC729244	0.727	0.47
LOC729245	0.975	0.35
LOC729246	1.847	0
LOC729247	1.092	0
LOC729248	1.622	0.42
LOC729249	0.69	0.24
LOC729250	1.847	0
LOC729251	0.281	0
LOC729252	4.704	0
LOC729253	0.45	0
LOC729255	0.411	9.43
LOC729256	1.14	0
LOC729257	1.296	0
LOC729258	1.682	0.3
LOC729259	3.218	0.05
LOC729260	1.461	0
LOC729261	0.273	0
LOC729262	4.868	0
LOC729264	4.938	0

LOC729265	0.481	0
LOC729266	12.205	0
LOC729267	1.919	20.72
LOC729269	3.075	1.48
LOC729270	0.273	0
LOC729271	0.474	0
LOC729272	2.957	0
LOC729273	0.273	0
LOC729274	0.889	1.32
LOC729275	1.794	0.51
LOC729276	1.02	0
LOC729277	6.78	0
LOC729278	0.273	0
LOC729279	0.458	537.42
LOC729280	1.075	0
LOC729281	0.723	1.05
LOC729282	8.574	0
LOC729283	0.243	0
LOC729284	0.273	0
LOC729285	0.958	0
LOC729286	0.591	1.28
LOC729287	0.348	0
LOC729288	0.689	0.12
LOC729289	1.99	0.04
LOC729290	1.849	4.1
LOC729291	3.232	0.99
LOC729292	0.668	0
LOC729293	0.213	1.98
LOC729294	2.469	0
LOC729295	1.011	0
LOC729296	1.024	0
LOC729297	2.718	0
LOC729298	0.954	1.94
LOC729299	0.768	0
LOC729300	0.483	0
LOC729301	0.641	1.45
LOC729302	0.42	0
LOC729303	1.176	0.14
LOC729304	0.756	0
LOC729305	1.507	0
LOC729306	0.495	0
LOC729307	0.541	0
LOC729309	0.899	0
LOC729310	0.44	0
LOC729311	0.786	0.11
LOC729312	0.94	0
LOC729313	0.665	0.51
LOC729314	11.942	0.01
LOC729315	0.666	0
LOC729316	4.566	4.37

LOC729317	1.706	45.03
LOC729318	0.717	0
LOC729319	1.062	0
LOC729320	0.864	0.59
LOC729321	0.44	0
LOC729322	1.125	0.08
LOC729323	0.44	0
LOC729325	0.609	0.83
LOC729326	1.143	0
LOC729327	0.995	2.37
LOC729328	0.228	0
LOC729329	22.405	0
LOC729331	0.732	0.81
LOC729332	0.414	0
LOC729333	1.176	0
LOC729334	41.675	0.01
LOC729335	0.572	0
LOC729336	1.364	0.19
LOC729337	1.081	0
LOC729338	3.727	0
LOC729339	0.273	0
LOC729340	0.659	0.89
LOC729341	0.567	0
LOC729342	2.964	0.23
LOC729343	10.682	0
LOC729344	9.351	0
LOC729345	0.366	0.69
LOC729346	0.273	0
LOC729347	0.96	5
LOC729348	12.008	0
LOC729349	0.598	1.4
LOC729350	5.605	0
LOC729351	0.546	0
LOC729352	1.063	0
LOC729353	15.188	0
LOC729355	4.95	0
LOC729356	7.842	0
LOC729357	0.318	0
LOC729358	0.58	0
LOC729360	0.417	0
LOC729361	0.765	0.33
LOC729362	0.424	515.75
LOC729363	0.52	0
LOC729364	0.567	0
LOC729365	0.348	0.72
LOC729366	1.312	0.77
LOC729367	0.984	0.17
LOC729368	1.884	0
LOC729369	1.538	0
LOC729370	2.185	0

LOC729371	0.273	0
LOC729372	0.273	0
LOC729373	0.768	0.44
LOC729374	1.107	0.76
LOC729375	13.792	0.12
LOC729376	0.465	0
LOC729377	1.446	0.23
LOC729378	0.661	0
LOC729379	0.273	0
LOC729380	0.153	0
LOC729381	0.639	0
LOC729382	0.828	0
LOC729383	0.273	0
LOC729384	1.651	0
LOC729385	0.684	0
LOC729386	1.062	2.69
LOC729387	0.273	0
LOC729388	0.501	0.34
LOC729389	0.787	46.67
LOC729390	3.316	0
LOC729391	0.507	0.5
LOC729392	4.441	0
LOC729393	0.96	0.26
LOC729394	0.273	0
LOC729395	0.894	0
LOC729396	0.627	0
LOC729397	0.732	5.64
LOC729398	0.876	0
LOC729399	188.616	0
LOC729400	3.85	0
LOC729401	0.357	0
LOC729402	0.602	0
LOC729403	1.005	0.76
LOC729404	1.854	0.18
LOC729405	0.531	0.31
LOC729406	0.752	0.22
LOC729407	0.851	0
LOC729408	0.624	0
LOC729409	1.581	0.37
LOC729410	0.837	0
LOC729411	0.72	0.12
LOC729412	0.177	0
LOC729413	0.534	0
LOC729414	0.582	0.43
LOC729415	0.699	0
LOC729417	1.206	0.76
LOC729418	0.159	6.36
LOC729419	0.261	0
LOC729421	0.823	0.71
LOC729422	0.627	0

LOC729423	7.685	0.18
LOC729424	0.855	0
LOC729425	0.699	0
LOC729426	0.566	0
LOC729427	0.755	0
LOC729429	0.645	0
LOC729430	1.235	2.18
LOC729431	0.627	0
LOC729432	0.46	0
LOC729433	1.578	14.2
LOC729434	0.414	0
LOC729435	0.686	7.49
LOC729436	0.768	0.22
LOC729437	0.489	0.35
LOC729438	0.99	0.17
LOC729439	1.067	0
LOC729440	1.825	8.12
LOC729441	0.601	2.66
LOC729442	0.627	0
LOC729443	0.615	0.27
LOC729444	1.055	0
LOC729445	0.557	0
LOC729446	7.377	0
LOC729447	0.624	0
LOC729448	0.765	0
LOC729449	70.711	0.01
LOC729450	3.615	0
LOC729451	0.681	0
LOC729452	0.761	0
LOC729453	0.768	0
LOC729454	0.6	0.14
LOC729455	0.549	0
LOC729456	0.273	0
LOC729457	0.831	0.71
LOC729458	0.65	0
LOC729459	0.273	0
LOC729460	1.059	0.48
LOC729461	1.72	0
LOC729462	0.273	0
LOC729463	5.015	3.68
LOC729464	1.029	0
LOC729465	0.613	0
LOC729466	0.719	27.77
LOC729467	1.461	0
LOC729468	0.543	0
LOC729469	0.903	0
LOC729470	0.828	0.41
LOC729471	1.227	0
LOC729472	0.384	0
LOC729473	0.222	7.97

LOC729474	1.149	0
LOC729476	0.939	0
LOC729477	0.873	0
LOC729478	0.444	0.19
LOC729479	0.563	0
LOC729480	0.536	0.78
LOC729481	0.579	1.31
LOC729482	0.417	6.87
LOC729483	0.339	0
LOC729484	0.537	0.15
LOC729485	0.563	0
LOC729486	10.179	0.05
LOC729487	1.314	0.51
LOC729488	2.009	0.04
LOC729489	0.729	0.12
LOC729490	0.585	0.58
LOC729491	1.347	0
LOC729492	0.593	0
LOC729493	4.895	2.77
LOC729494	0.959	41.9
LOC729495	5.152	0.05
LOC729496	1.032	3.27
LOC729497	4.397	0.39
LOC729498	0.393	0
LOC729499	0.255	0
LOC729500	0.563	0.15
LOC729501	1.377	0
LOC729502	0.603	0
LOC729503	1.2	0.07
LOC729504	1.485	0.11
LOC729505	1.74	0
LOC729506	4.134	2.49
LOC729507	0.888	0
LOC729508	0.575	0.14
LOC729509	0.615	0.14
LOC729510	1.028	0.08
LOC729511	1.107	0
LOC729512	0.393	0
LOC729513	29.24	0.13
LOC729514	0.834	0
LOC729515	1.786	3.4
LOC729516	1.844	0
LOC729517	1.62	0
LOC729518	1.883	5.19
LOC729519	2.223	0
LOC729520	0.394	0
LOC729521	0.624	0
LOC729522	52.757	0
LOC729523	0.237	0
LOC729524	6.248	0

LOC729525	0.552	0
LOC729526	0.417	0
LOC729527	0.414	0
LOC729528	2.021	0
LOC729529	0.541	0
LOC729530	3.996	2.95
LOC729531	0.246	0.34
LOC729532	0.822	12.19
LOC729533	6.847	0.08
LOC729534	0.878	0.09
LOC729535	0.733	1.61
LOC729536	0.416	91.73
LOC729537	0.381	0
LOC729538	1.104	0.23
LOC729541	1.131	1.34
LOC729542	0.645	0.92
LOC729543	0.546	0
LOC729544	0.123	9.59
LOC729545	1.2	0.21
LOC729546	0.357	0
LOC729547	0.873	1.64
LOC729548	2.254	0.49
LOC729549	1.65	0.25
LOC729550	16.433	0
LOC729551	0.306	0
LOC729552	0.672	0
LOC729553	0.57	0.15
LOC729554	0.825	13.79
LOC729555	0.348	0
LOC729556	0.817	0.1
LOC729557	0.579	9.17
LOC729558	0.598	0
LOC729559	2.146	5.3
LOC729560	0.498	0
LOC729561	16.966	1.57
LOC729562	0.411	0
LOC729563	1.389	0.54
LOC729564	1.197	0.07
LOC729565	0.637	15.21
LOC729566	0.408	6.81
LOC729567	0.606	0
LOC729568	0.72	0
LOC729569	2.117	4.3
LOC729570	1.356	1.93
LOC729571	0.507	0.33
LOC729572	0.363	0
LOC729573	0.432	0
LOC729574	0.51	0
LOC729575	0.837	0
LOC729576	0.963	0.88

LOC729577	0.126	4.68
LOC729578	0.798	0
LOC729579	0.507	2
LOC729580	1.282	40.67
LOC729581	1.791	0
LOC729582	0.579	0
LOC729583	0.466	0
LOC729584	1.536	0
LOC729585	0.432	0
LOC729586	0.765	0.44
LOC729587	0.531	0
LOC729588	0.234	0
LOC729589	0.464	0
LOC729590	0.846	0
LOC729591	0.637	0
LOC729592	0.582	0.14
LOC729593	0.543	0
LOC729594	0.512	0
LOC729595	0.606	0.14
LOC729596	0.576	0
LOC729597	1.373	0
LOC729598	0.426	0
LOC729599	1.179	1.43
LOC729600	0.636	0.26
LOC729601	0.611	0
LOC729602	1.119	0
LOC729603	3.131	0.53
LOC729604	8.124	0.52
LOC729605	4.638	0
LOC729606	0.561	3.76
LOC729607	1.041	0.16
LOC729608	1.293	4.5
LOC729609	0.567	0
LOC729610	1.114	3.03
LOC729611	0.825	1.22
LOC729612	0.42	0
LOC729613	0.837	0
LOC729614	1.559	4
LOC729615	1.596	0
LOC729616	1.146	1.54
LOC729618	1.035	0
LOC729619	0.597	0
LOC729620	0.563	0.3
LOC729621	0.318	0.79
LOC729622	0.879	1.15
LOC729623	0.867	0
LOC729624	0.747	0.45
LOC729625	0.975	0.69
LOC729626	0.54	0.47
LOC729627	0.801	0

LOC729628	0.504	0
LOC729629	0.84	0.5
LOC729630	1.05	0.72
LOC729631	0.984	0.08
LOC729632	0.813	0.31
LOC729633	2.655	0.13
LOC729634	1.348	0
LOC729635	0.567	0
LOC729636	0.747	0
LOC729637	0.593	0
LOC729638	1.287	0
LOC729639	2.263	0
LOC729640	0.792	0
LOC729641	1.227	0
LOC729642	0.734	0
LOC729643	0.798	0.31
LOC729644	0.62	0.41
LOC729645	0.45	0
LOC729646	6.91	15.36
LOC729647	15.964	0.1
LOC729648	7.461	0.03
LOC729649	0.825	0
LOC729650	0.366	0
LOC729651	0.526	0
LOC729652	3.264	0.05
LOC729653	0.593	0
LOC729654	1.245	0
LOC729655	61.556	0
LOC729656	0.576	0.14
LOC729657	1.016	0.75
LOC729658	0.556	0
LOC729659	0.309	0
LOC729660	8.351	0.15
LOC729661	0.432	0.19
LOC729663	0.871	0
LOC729664	0.717	0.12
LOC729665	87.38	0
LOC729666	37.964	0.28
LOC729667	0.711	0
LOC729668	11.994	0.01
LOC729669	1.52	7.26
LOC729670	0.657	2.82
LOC729671	1.038	0.16
LOC729672	0.802	0
LOC729673	4.32	0.23
LOC729674	9.238	0.78
LOC729675	0.794	0.31
LOC729676	0.894	0.94
LOC729677	0.81	0.42
LOC729678	2.392	6.9

LOC729679	0.943	3.31
LOC729680	1.622	2.02
LOC729681	1.815	0
LOC729682	5.555	0
LOC729683	2.086	5.37
LOC729684	0.471	5.19
LOC729685	1.11	0.31
LOC729686	1.276	0.26
LOC729687	0.379	0.22
LOC729688	0.654	2.32
LOC729689	4.406	0
LOC729690	0.777	0.54
LOC729691	1.023	0
LOC729692	0.42	3.21
LOC729693	0.42	0
LOC729694	0.597	0
LOC729695	0.597	0
LOC729696	2.302	0.11
LOC729697	0.699	0.12
LOC729698	0.597	0
LOC729699	0.669	0
LOC729700	0.597	0
LOC729701	27.201	0.05
LOC729702	0.633	0
LOC729703	0.597	0
LOC729704	0.563	0
LOC729705	0.561	0.3
LOC729706	0.597	0
LOC729707	1.35	0.31
LOC729708	1.997	26.45
LOC729709	0.99	0
LOC729710	0.935	0
LOC729711	0.597	0
LOC729712	0.639	0
LOC729713	1.509	0.11
LOC729714	0.636	1.59
LOC729715	0.643	0
LOC729716	0.105	0
LOC729717	0.416	0
LOC729718	0.669	0.13
LOC729719	0.597	0
LOC729720	0.714	0
LOC729721	0.747	0
LOC729722	0.72	0
LOC729723	0.549	0.92
LOC729724	0.597	0
LOC729725	0.426	0
LOC729728	0.891	0
LOC729729	1.284	0
LOC729730	0.798	0

LOC729731	0.597	0
LOC729732	0.396	0
LOC729733	0.699	0.24
LOC729734	0.729	0
LOC729735	0.597	0
LOC729736	0.498	0
LOC729737	1.039	0
LOC729738	0.81	0
LOC729739	14.03	0.01
LOC729740	0.526	0
LOC729741	1.311	0
LOC729742	39.389	0.05
LOC729743	1.225	0
LOC729744	0.969	0
LOC729745	0.873	0.48
LOC729746	0.857	0
LOC729747	1.737	0.14
LOC729748	1.029	2.21
LOC729749	0.407	0
LOC729750	0.129	4.57
LOC729751	1.904	2.96
LOC729752	0.792	0
LOC729753	0.516	0
LOC729754	12.091	0
LOC729755	0.622	0.27
LOC729756	0.765	0
LOC729757	0.978	0
LOC729758	0.432	0.2
LOC729760	0.896	0.19
LOC729761	0.381	0
LOC729762	1.242	0
LOC729763	0.31	0
LOC729764	10.893	0.02
LOC729765	0.753	0
LOC729766	0.78	0
LOC729767	1.197	0
LOC729768	0.558	8.61
LOC729769	0.342	0
LOC729770	1.95	0.08
LOC729771	0.525	0
LOC729772	0.669	0
LOC729773	0.472	0.18
LOC729774	0.718	0.47
LOC729775	0.763	0.11
LOC729776	0.368	7.1
LOC729777	1.276	2.05
LOC729778	1.437	0
LOC729779	1.342	0.19
LOC729780	0.724	0.47
LOC729781	0.931	0.54

LOC729782	0.846	0
LOC729783	8.574	0
LOC729784	0.741	0.46
LOC729785	5.22	0.12
LOC729786	12.186	0.02
LOC729787	1.472	0
LOC729788	0.645	0
LOC729789	0.489	5.69
LOC729790	0.171	0
LOC729791	0.977	1.81
LOC729792	4.839	0
LOC729793	1.04	0
LOC729794	40.167	0
LOC729795	0.876	0.09
LOC729796	0.617	0.14
LOC729797	0.159	31.26
LOC729798	0.52	1.29
LOC729799	2.586	6.09
LOC729800	1.143	0
LOC729801	0.495	0
LOC729802	0.306	0
LOC729803	0.645	0
LOC729804	0.321	0
LOC729805	0.705	0
LOC729806	1.709	4.83
LOC729807	0.522	0
LOC729808	0.906	0
LOC729809	0.309	0
LOC729810	2.513	3.05
LOC729811	1.005	0.25
LOC729812	0.855	0
LOC729813	0.522	0.32
LOC729814	0.598	0.84
LOC729815	0.93	0
LOC729816	1.034	0
LOC729817	2.281	0.11
LOC729818	0.567	3.71
LOC729819	0.621	0
LOC729820	0.126	0
LOC729821	0.777	1.84
LOC729822	0.977	3.54
LOC729823	0.939	0
LOC729824	0.3	1.12
LOC729825	1.047	0
LOC729826	3.313	2.44
LOC729827	0.252	0
LOC729828	35.27	0
LOC729829	0.621	0
LOC729830	106.311	0
LOC729831	1.335	0

LOC729832	7.094	0.01
LOC729833	0.855	0
LOC729834	0.834	0
LOC729835	0.331	1.02
LOC729837	8.856	0
LOC729838	2.321	0
LOC729839	1.153	0.73
LOC729840	1.967	0.34
LOC729841	0.812	0.21
LOC729842	0.845	1.69
LOC729843	1.216	1.66
LOC729844	0.471	0.71
LOC729845	1.119	0
LOC729846	0.969	0.61
LOC729847	0.43	0
LOC729848	0.752	0.56
LOC729849	0.444	0
LOC729850	0.751	0
LOC729851	0.545	0.15
LOC729852	2.02	2.42
LOC729853	1.502	0
LOC729854	0.334	0
LOC729855	0.366	0
LOC729856	0.765	0
LOC729858	0.784	0.11
LOC729859	1.209	1.74
LOC729860	2.013	3.81
LOC729861	0.468	0
LOC729862	0.39	7.56
LOC729863	25.392	0
LOC729864	0.669	0
LOC729865	1.737	0
LOC729867	0.547	1.08
LOC729868	4.689	0.07
LOC729869	0.255	0.66
LOC729870	1.059	0
LOC729871	10.324	0.01
LOC729873	9.125	0
LOC729874	0.894	0.37
LOC729875	1.283	0
LOC729877	7.886	0
LOC729878	0.346	1.22
LOC729879	1.83	0
LOC729880	0.588	0
LOC729881	0.702	0
LOC729882	0.687	0.37
LOC729883	0.492	0
LOC729884	2.136	0
LOC729885	0.979	0.17
LOC729886	1.065	0

LOC729887	0.952	0.98
LOC729888	0.894	0.37
LOC729889	0.543	0
LOC729890	1.694	0
LOC729891	0.58	0
LOC729892	4.028	0
LOC729893	0.375	0
LOC729894	41.287	0.01
LOC729895	0.484	0
LOC729896	0.366	1.84
LOC729897	0.416	3.24
LOC729898	0.411	2.46
LOC729899	0.363	0
LOC729900	4.164	0.1
LOC729901	1.026	0
LOC729902	0.727	0
LOC729903	1.582	29.12
LOC729904	0.681	0.99
LOC729905	0.438	2.12
LOC729906	0.329	0.51
LOC729907	0.694	0
LOC729908	4.105	0
LOC729909	0.515	3.27
LOC729910	0.842	0
LOC729911	0.528	0
LOC729912	0.621	0
LOC729913	1.285	0.33
LOC729914	0.834	0
LOC729915	10.37	0.01
LOC729916	0.444	0
LOC729917	1.419	0.24
LOC729918	0.767	0
LOC729919	0.96	0
LOC729920	0.849	0
LOC729921	0.75	0
LOC729922	0.981	0
LOC729923	0.261	0
LOC729924	0.393	0
LOC729925	0.792	0.75
LOC729926	0.858	1.08
LOC729927	0.524	1.61
LOC729928	0.903	0.09
LOC729929	0.39	0
LOC729930	1.08	0
LOC729931	0.912	0
LOC729932	0.597	0
LOC729933	0.396	0
LOC729934	0.822	0.71
LOC729935	1.08	0
LOC729936	17.737	0.05

LOC729937	0.459	0
LOC729938	0.726	0.23
LOC729939	0.345	0
LOC729940	0.643	0
LOC729941	7.192	0.44
LOC729942	0.843	0
LOC729943	0.369	0
LOC729944	1.643	0
LOC729945	8.025	0.57
LOC729946	0.527	8.31
LOC729947	0.621	0
LOC729948	0.258	51.26
LOC729949	0.471	0.18
LOC729950	0.786	0.97
LOC729951	0.342	0
LOC729952	3.202	0.26
LOC729953	0.498	0
LOC729954	61.643	0.27
LOC729955	8.85	0.17
LOC729956	1.554	0
LOC729957	0.534	0
LOC729958	0.573	0
LOC729959	0.876	0
LOC729960	75.604	0
LOC729961	0.753	0
LOC729962	12.577	0.02
LOC729963	0.477	0.53
LOC729964	0.81	0.21
LOC729965	0.651	0
LOC729966	0.744	0
LOC729967	4.675	0
LOC729968	0.699	0
LOC729969	0.369	10.04
LOC729970	0.401	0
LOC729971	0.929	0
LOC729972	0.762	0
LOC729973	0.743	19.96
LOC729974	0.902	0
LOC729976	1.069	13.24
LOC729977	0.382	0
LOC729978	1.271	0
LOC729979	0.565	0
LOC729980	0.708	0
LOC729981	0.612	0
LOC729982	0.885	0
LOC729983	0.888	0.19
LOC729984	0.991	0.08
LOC729985	0.258	6.86
LOC729986	2.216	0.03
LOC729987	0.567	0

LOC729988	1.066	0
LOC729989	0.89	0.57
LOC729990	0.408	0
LOC729991	0.333	11.39
LOC729992	0.979	0
LOC729993	0.671	0
LOC729994	1.797	0
LOC729996	0.546	0
LOC729997	7.481	0.08
LOC729998	1.432	2499.68
LOC729999	4.738	0.18
LOC730000	0.315	0.54
LOC730001	1.873	0.86
LOC730002	0.548	0.15
LOC730003	1.146	0
LOC730004	0.687	2.33
LOC730005	1.152	0
LOC730006	1.32	0.83
LOC730007	0.446	0.19
LOC730008	0.846	0
LOC730009	0.753	0
LOC730010	0.675	2.62
LOC730011	0.679	0
LOC730012	0.423	0.2
LOC730013	0.795	0
LOC730014	1.275	0.53
LOC730015	2.762	0
LOC730016	1.551	1.14
LOC730017	0.509	0
LOC730018	0.525	0.16
LOC730019	0.645	0.39
LOC730020	2.167	0.04
LOC730021	0.762	3.65
LOC730022	0.789	0
LOC730023	1.824	0
LOC730024	17.712	0
LOC730025	0.973	0.17
LOC730026	0.45	0
LOC730027	3.585	0
LOC730028	0.357	0
LOC730029	1.172	5.1
LOC730030	0.435	0.39
LOC730031	1.543	0
LOC730032	4.171	0
LOC730033	0.45	0
LOC730034	2.186	0
LOC730035	3.644	0
LOC730036	2.479	0
LOC730037	0.741	0
LOC730038	1.584	0.05

LOC730039	0.183	0
LOC730040	0.81	0.1
LOC730041	2.965	0.08
LOC730042	0.333	0
LOC730043	21.971	0.36
LOC730044	0.387	0
LOC730045	0.516	0
LOC730046	0.771	0.99
LOC730047	1.284	0
LOC730048	0.327	0.77
LOC730049	0.58	0
LOC730050	3.503	30.97
LOC730051	19.925	0.5
LOC730052	0.688	14.44
LOC730053	0.524	0
LOC730054	0.894	0
LOC730055	0.361	0
LOC730056	1.251	0.2
LOC730057	0.489	0
LOC730058	0.429	0
LOC730059	1.017	0
LOC730060	1.079	0.54
LOC730061	10.815	1.39
LOC730062	1.419	0.36
LOC730063	0.873	1.06
LOC730064	1.556	0.27
LOC730065	0.585	0
LOC730066	7.747	0.01
LOC730068	0.678	0
LOC730069	8.187	0.95
LOC730070	0.384	14.04
LOC730071	0.369	1.37
LOC730072	0.675	0.13
LOC730073	0.942	0
LOC730074	0.474	0
LOC730075	0.513	0
LOC730076	22.547	0
LOC730077	0.969	0
LOC730078	0.839	0
LOC730079	0.384	0.44
LOC730080	0.603	0.14
LOC730081	2.016	0.29
LOC730082	0.471	0
LOC730083	1.02	2.64
LOC730084	0.516	0.49
LOC730085	0.45	0
LOC730086	67.249	0.04
LOC730087	23.24	0.21
LOC730088	0.528	0
LOC730089	0.63	0

LOC730090	1.527	0.11
LOC730091	0.999	0.17
LOC730092	33.969	0.13
LOC730093	0.594	0
LOC730094	1.431	1.12
LOC730095	0.594	0
LOC730096	1.038	0.08
LOC730097	0.438	0
LOC730098	0.471	0
LOC730099	61.22	0.12
LOC730100	0.563	0
LOC730101	8.263	3.54
LOC730102	73.151	0.02
LOC730103	0.377	0
LOC730104	0.447	0
LOC730105	0.541	0
LOC730106	0.573	0
LOC730107	1.167	2.31
LOC730108	1.014	3.24
LOC730109	1.005	0
LOC730110	1.593	0.32
LOC730111	0.828	6.2
LOC730112	0.828	0
LOC730113	0.804	0
LOC730114	0.147	0
LOC730115	1.543	0.99
LOC730116	1.293	0
LOC730117	1.131	0
LOC730118	0.692	0
LOC730119	0.78	0.43
LOC730120	0.691	0
LOC730121	0.555	0
LOC730122	0.519	0
LOC730123	1.152	0
LOC730124	0.705	0
LOC730125	0.534	2.69
LOC730126	0.414	0
LOC730127	0.429	0.59
LOC730128	0.351	0
LOC730129	0.621	0
LOC730130	1.002	0
LOC730131	2.539	0.14
LOC730132	2.247	0
LOC730133	0.301	0.28
LOC730134	0.564	0
LOC730135	0.72	0.24
LOC730136	0.564	10.61
LOC730137	0.882	0
LOC730138	0.489	38.42
LOC730139	0.953	0

LOC730140	0.696	0.12
LOC730141	0.441	0
LOC730142	0.75	1.23
LOC730143	0.627	0.27
LOC730144	0.867	16.9
LOC730145	0.491	0
LOC730146	0.393	0
LOC730147	0.33	0
LOC730148	0.426	0
LOC730149	1.873	0.14
LOC730150	0.507	0.33
LOC730151	0.465	9.42
LOC730152	4.788	0
LOC730153	1.24	0
LOC730154	0.135	0
LOC730155	0.861	0
LOC730156	0.492	0.34
LOC730157	0.462	0
LOC730158	0.384	0
LOC730159	0.563	0
LOC730160	2.052	0
LOC730161	0.483	1.22
LOC730162	0.363	0.47
LOC730163	0.583	0
LOC730164	0.492	0
LOC730165	0.381	0
LOC730166	0.495	3.41
LOC730167	0.513	3.45
LOC730168	0.531	0
LOC730169	0.399	2.32
LOC730170	0.627	0
LOC730171	0.492	0
LOC730172	1.022	0
LOC730173	1.227	2.95
LOC730174	121.296	0.18
LOC730175	0.216	0
LOC730176	1.381	0.12
LOC730177	0.346	0.25
LOC730178	0.543	0
LOC730179	0.852	0
LOC730180	1.284	0.46
LOC730181	0.509	0
LOC730182	0.724	8.49
LOC730183	0.571	2.06
LOC730184	0.768	0
LOC730185	2.2	0.04
LOC730186	0.387	0
LOC730187	0.171	0
LOC730188	0.381	7.74
LOC730189	0.645	0.26

LOC730190	0.213	1.59
LOC730191	0.822	0
LOC730192	1.14	0.52
LOC730193	0.531	6.66
LOC730194	0.92	0
LOC730195	0.246	0
LOC730196	1.04	0
LOC730197	0.339	0.25
LOC730198	1.074	0
LOC730199	0.99	0
LOC730200	0.744	0
LOC730201	2.098	0.84
LOC730202	1.501	1.06
LOC730203	0.555	0
LOC730204	0.225	0
LOC730205	0.315	0
LOC730206	1.008	0
LOC730207	0.624	0
LOC730208	0.666	0.38
LOC730209	0.351	0
LOC730210	0.955	0
LOC730211	4.676	0.05
LOC730212	0.351	0
LOC730213	0.963	7.96
LOC730214	0.363	0
LOC730215	1.575	0
LOC730216	0.777	0
LOC730217	0.814	0
LOC730218	0.885	0
LOC730219	1.204	0
LOC730220	0.57	0
LOC730221	0.375	0
LOC730222	0.681	0.13
LOC730223	0.438	0
LOC730224	0.741	0
LOC730225	0.648	0.39
LOC730226	0.715	0.12
LOC730227	0.41	0
LOC730228	1.029	0.16
LOC730229	2.116	0
LOC730230	0.988	0
LOC730231	0.651	0.65
LOC730232	3.661	0.51
LOC730233	0.906	0.28
LOC730234	0.705	0
LOC730235	0.873	0.29
LOC730236	1.472	0.69
LOC730237	0.435	0
LOC730238	0.531	0
LOC730239	1.069	0.79

LOC730240	0.541	0
LOC730241	0.904	0.37
LOC730242	0.559	0
LOC730243	0.912	0
LOC730244	0.441	0.95
LOC730245	1.698	0.2
LOC730246	1.311	0.57
LOC730247	0.474	0
LOC730248	0.795	0
LOC730249	2.361	0
LOC730250	0.891	0
LOC730251	0.996	0.08
LOC730252	0.912	0.37
LOC730253	0.621	0
LOC730254	2.465	0.34
LOC730255	0.566	0.59
LOC730256	8.176	0
LOC730257	8.141	0.01
LOC730258	1.861	1.14
LOC730259	1.091	0
LOC730260	0.981	0
LOC730261	0.975	0
LOC730262	1.143	0
LOC730263	2.124	0.04
LOC730264	1.242	0
LOC730265	0.594	0
LOC730266	0.537	1.89
LOC730267	1.038	0.73
LOC730268	58.447	0.06
LOC730269	1.649	0.15
LOC730270	1.113	0
LOC730271	0.564	0
LOC730272	1.191	0
LOC730273	2.783	0
LOC730274	0.876	0
LOC730275	3.983	0
LOC730276	0.369	0
LOC730277	0.429	0
LOC730278	0.309	0
LOC730279	0.828	0
LOC730280	0.762	0
LOC730281	2.025	0
LOC730282	0.771	0
LOC730283	0.429	0
LOC730284	1.857	0
LOC730285	0.357	0
LOC730286	0.999	0
LOC730287	0.958	0
LOC730288	0.21	0
LOC730289	0.333	0.25

LOC730290	1.293	0
LOC730291	0.57	0
LOC730292	1.481	0
LOC730293	0.213	0
LOC730294	0.798	0
LOC730295	1.988	0
LOC730296	0.285	0
LOC730297	0.588	0
LOC730298	0.456	0
LOC730299	0.255	0
LOC730300	0.594	0
LOC730301	0.246	0
LOC730302	0.615	0
LOC730303	3.106	0
LOC730304	2.271	0
LOC730305	0.33	0
LOC730306	0.489	0
LOC730307	2.271	0
LOC730308	0.129	0
LOC730309	1.452	0.23
LOC730310	1.152	0
LOC730311	1.002	0
LOC730312	1.613	0
LOC730313	0.768	0
LOC730314	0.258	0
LOC730315	0.33	0
LOC730316	4.566	0.09
LOC730317	0.861	0
LOC730318	0.483	0
LOC730319	0.492	0
LOC730320	1.062	0.08
LOC730321	0.495	0
LOC730322	0.99	0.17
LOC730323	1.214	0.69
LOC730324	0.768	0
LOC730325	0.384	0
LOC730326	0.543	0
LOC730327	0.45	0
LOC730328	1.107	0.15
LOC730329	1.2	0
LOC730330	0.432	0
LOC730331	1.125	3.22
LOC730332	1.849	0
LOC730333	0.576	0
LOC730334	0.777	0
LOC730335	0.375	0.22
LOC730336	0.897	0
LOC730337	0.492	0
LOC730338	1.947	0
LOC730339	1.069	0

LOC730340	2.216	0.08
LOC730341	1.873	0.14
LOC730342	0.912	0
LOC730343	0.24	0
LOC730344	2.421	0
LOC730345	0.549	0
LOC730346	0.438	0
LOC730347	5.571	0
LOC730348	1.405	0.3
LOC730349	1.662	0.25
LOC730350	4.765	0
LOC730351	2.315	0
LOC730352	0.714	0
LOC730353	1.213	2.29
LOC730354	0.429	0
LOC730355	0.732	0
LOC730356	0.834	0
LOC730357	0.774	0
LOC730358	2.02	0
LOC730359	1.694	0
LOC730360	0.849	0
LOC730361	0.345	0
LOC730362	0.762	0
LOC730363	0.546	0
LOC730364	0.282	0
LOC730365	0.81	0
LOC730366	0.357	0
LOC730367	1.059	0
LOC730368	0.363	0
LOC730369	1.131	0
LOC730370	1.689	0
LOC730371	0.492	0
LOC730372	1.14	0
LOC730373	0.246	0
LOC730374	0.648	1.17
LOC730375	0.705	0
LOC730376	0.873	0
LOC730377	0.444	0
LOC730378	0.9	0
LOC730379	0.444	0
LOC730380	0.444	0
LOC730381	0.519	0
LOC730382	0.486	0
LOC730383	0.39	0
LOC730384	0.681	0
LOC730385	0.681	0
LOC730386	0.681	0
LOC730387	0.681	0
LOC730388	0.681	0
LOC730389	1.152	0

LOC730390	0.817	0
LOC730391	0.981	0
LOC730392	13.677	0
LOC730393	0.585	0
LOC730394	4.558	0
LOC730395	0.566	0
LOC730397	0.593	0
LOC730398	0.201	0
LOC730399	5.046	0
LOC730400	0.645	0
LOC730401	4.566	0
LOC730402	1.054	0
LOC730403	0.566	0
LOC730404	0.662	0
LOC730405	0.466	0
LOC730406	0.593	0
LOC730407	1.437	0
LOC730408	0.645	0.13
LOC730409	4.566	0
LOC730410	1.853	0
LOC732478	1.347	0
LOC79984	3.889	0.08
LOC80098	2.046	0.2
LOC81625	1.938	0.48
LOC81691	2.707	1.37
LOC83459	0.751	5.83
LOC84661	0.8	17.16
LOC85389	0.211	3.2
LOC85390	0.228	2.22
LOC86123	1.52	0.06
LOC89944	3.117	0.46
LOC90113	4.155	0.06
LOC90120	2.799	12.31
LOC90342	6.872	0
LOC90379	2.258	17.42
LOC90499	0.385	0
LOC90586	2.073	0
LOC90826	2.83	2.68
LOC90835	1.829	0.74
LOC91219	0.501	0.5
LOC91431	3.113	0.76
LOC91461	1.881	0.4
LOC91664	3.985	0.65
LOC92017	2.941	5.7
LOC92196	0.532	0
LOC92270	0.758	1
LOC92312	5.917	1.92
LOC92345	1.907	3.14
LOC92755	1.516	15.72
LOC93202	1.21	0.14

LOC93349	3.588	6.46
LOC93432	3.068	0
LOC93622	2.052	6.32
LOC96597	1.629	0
LOC96610	0.702	5.52
LOH11CR2A	4.022	0.06
LOH12CR1	2.05	1.61
LOH3CR2A	1.686	0.15
LONP1	3.111	20.45
LONP2	4.802	10.56
LONRF1	3.584	0.35
LONRF2	2.363	0.21
LONRF3	2.608	0.03
LOR	1.206	0
LOX	1.947	0.04
LOXHD1	4.775	0
LOXL1	2.361	6.14
LOXL2	3.81	1.35
LOXL3	3.121	2.02
LOXL4	3.657	0.07
LPA	6.065	0.03
LPAL2	2.25	0.07
LPGAT1	6.252	3.37
LPHN1	7.857	9.28
LPHN2	5.706	0.02
LPHN3	6.177	0
LPIN1	5.358	4.14
LPIN2	6.229	7.79
LPIN3	4.363	0.71
LPL	3.55	0.19
LPO	2.918	0.31
LPP	8.529	3.51
LPPR2	2.678	0.48
LPPR4	4.972	0
LPXN	1.833	7.03
LRAP	3.337	0.65
LRAT	4.888	0
LRBA	9.899	2.78
LRCH1	5.258	5.06
LRCH2	4.931	0
LRCH3	2.258	5.11
LRCH4	6.402	26.56
LRDD	4.094	5.57
LRFN1	3.381	5.7
LRFN2	3.144	7.96
LRFN3	2.515	3.55
LRFN4	2.431	10.43
LRFN5	3.153	0
LRG1	1.78	0.76
LRGUK	5.4	0.05

LRIG1	4.762	7.77
LRIG2	4.015	1.95
LRIG3	4.023	0
LRMP	2.809	33.58
LRP1	14.897	0.54
LRP10	3.252	28.96
LRP11	3.58	3.55
LRP12	4.06	0
LRP16	1.19	9.2
LRP1B	16.531	0
LRP2	14.385	0
LRP2BP	5.157	0.1
LRP3	2.577	17.75
LRP4	8.076	0.01
LRP5	5.099	29.75
LRP5L	3.568	4.23
LRP6	5.293	1.27
LRP8	6.222	0.8
LRPAP1	1.484	44.95
LRPPRC	5.095	17.33
LRRC1	3.465	0.03
LRRC10	2.599	0
LRRC14	5.876	6.15
LRRC15	5.938	0.49
LRRC16	5.175	0.08
LRRC17	5.726	1.9
LRRC18	2.287	6.37
LRRC19	3.136	0
LRRC2	5.669	0
LRRC20	3.236	0.99
LRRC21	2.099	0
LRRC22	3.128	0
LRRC23	1.925	2.36
LRRC24	1.753	3.08
LRRC25	2.403	0.59
LRRC27	6.374	0.7
LRRC28	1.45	6.57
LRRC29	1.493	1.3
LRRC3	2.505	0.81
LRRC30	0.906	0
LRRC31	2.355	0
LRRC32	4.157	0.02
LRRC33	2.465	35.54
LRRC34	1.437	0.29
LRRC36	2.396	0
LRRC37A	5.177	1.12
LRRC37A2	3.594	3.33
LRRC37A3	5.665	0.55
LRRC37B	3.027	3.67
LRRC38	2.28	0.03

LRRC39	1.394	0
LRRC3B	1.693	0.8
LRRC4	7.414	1.71
LRRC40	2.847	1.9
LRRC41	2.948	35.23
LRRC42	1.714	5.9
LRRC43	2.293	0.14
LRRC44	1.591	0.05
LRRC45	2.599	5.25
LRRC46	1.429	2.3
LRRC47	2.648	21.15
LRRC48	1.978	0.55
LRRC49	2.793	0
LRRC4B	2.958	0.37
LRRC4C	4.054	0
LRRC50	2.379	0.07
LRRC51	2.12	1.03
LRRC52	1.369	0
LRRC55	3.797	0
LRRC56	2.769	1.22
LRRC57	2.647	3.43
LRRC58	8.099	0.83
LRRC59	2.828	31.9
LRRC6	1.582	0.26
LRRC61	2.956	3.5
LRRC62	7.762	40.87
LRRC7	5	0
LRRC8A	4.296	7.63
LRRC8B	3.589	0.78
LRRC8C	2.859	13.44
LRRC8D	3.312	8.8
LRRC8E	3.601	0.12
LRRC1	3.24	2.11
LRRFIP1	3.648	33.16
LRRFIP2	3.283	6.14
LRRIQ1	4.457	0
LRRIQ2	4.411	0.88
LRRK1	7.631	5.2
LRRK2	9.224	0.04
LRRN1	3.307	0
LRRN2	3.358	3.99
LRRN3	6.74	0
LRRTM1	2.212	0
LRRTM2	5.58	0.04
LRRTM3	3.787	0
LRRTM4	3.616	0
LRSAM1	3.509	3.46
LRTM1	1.298	0
LRTM2	3.688	0
LSAMP	1.539	0

LSDP5	1.888	0
LSG1	3.271	10.07
LSM1	0.921	16.92
LSM10	0.85	24.68
LSM11	2.561	0.16
LSM12	2.21	9.37
LSM14A	3.384	33.68
LSM14B	2.498	29.1
LSM2	2.574	0
LSM3	0.555	55.7
LSM4	1.109	55.07
LSM5	1.464	3.51
LSM6	0.579	22.7
LSM7	0.48	170.58
LSM8	2.614	6.99
LSMD1	0.999	47.64
LSP1	2.745	62.84
LSR	2.278	1.51
LSS	4.624	5.63
LST1	4.947	0
LST-3TM12	2.119	0
LTA	4.158	0.08
LTA4H	2.06	40.56
LTB	4.5	0
LTB4DH	1.242	20.28
LTB4R	3.436	15.17
LTB4R2	3.16	6.59
LTBP1	6.484	0.08
LTBP2	8.554	0.27
LTBP3	4.048	15.94
LTBP4	5.352	8.11
LTBR	2.105	21.49
LTC4S	0.667	4.55
LTF	2.361	32.22
LTK	3.119	0.81
LTV1	1.814	10.63
LUC7L	2.615	10.11
LUC7L2	4.822	14.94
LUM	2.116	0.04
LUZP1	7.539	7.06
LUZP2	5.257	0.02
LUZP4	1.728	0
LXN	1.113	9.69
LY6D	0.802	0
LY6E	1.15	78.52
LY6G5B	2.322	0.07
LY6G5C	5.259	0
LY6G6C	2.64	0
LY6G6D	1.206	0
LY6G6E	1.152	0

LY6H	0.947	18.59
LY6K	1.735	0.05
LY75	6.906	1.39
LY86	2.099	11.84
LY9	3.366	1.08
LY96	0.587	1.15
LYAR	1.508	15.47
LYCAT	5.342	1.34
LYG2	0.87	0
LYK5	4.162	8.34
LYL1	1.49	46.3
LYN	2.816	13.16
LYNX1	6.328	0.03
LYPD1	1.891	0
LYPD2	0.534	0
LYPD3	1.706	0
LYPD4	1.792	0
LYPD5	3.616	0.51
LYPD6	3.485	0
LYPLA1	2.574	9.81
LYPLA2	1.624	14.16
LYPLA2P1	2.429	0.14
LYPLA3	2.723	7.92
LYPLAL1	0.816	4.95
LYRM1	1.659	4.42
LYRM2	0.873	3.09
LYRM4	1.482	37.4
LYRM5	1.06	3.26
LYRM7	6.213	1.84
LYSMD1	2.42	2.16
LYSMD2	1.688	3.84
LYSMD3	4.261	0.69
LYSMD4	2.885	4.33
LYST	14.528	1.21
LYZ	1.486	26.13
LYZL1	0.812	0
LYZL2	0.774	0
LYZL4	0.872	0
LYZL6	0.872	0
LZIC	1.407	9.76
LZTFL1	3.398	3.4
LZTR1	4.217	13.74
LZTR2	3.985	0.51
LZTS1	5.459	2.18
LZTS2	2.744	29.59
M6PR	2.454	60.65
M6PRBP1	2.236	112.45
MAB21L1	2.449	0
MAB21L2	2.543	0
MACF1	24.222	9.6

MAD1L1	10.854	21.94
MAD2L1	1.376	5.08
MAD2L1BP	1.63	3.93
MAD2L1P	1.285	2.36
MAD2L2	1.041	42
MADCAM1	1.536	0.05
MADD	8.405	10.51
MAEA	2.189	22.97
MAEL	1.731	0
MAF	7.719	9.46
MAF1	1.762	74.58
MAFA	1.062	0
MAFB	3.791	48.64
MAFF	2.549	2.48
MAFG	5.218	6.08
MAFK	6.7	3.85
MAG	2.94	0
MAG1	2.534	0.14
MAGEA1	1.676	0
MAGEA10	1.61	0
MAGEA11	2.083	0
MAGEA12	1.652	0
MAGEA2	2.291	0
MAGEA2B	1.617	0
MAGEA3	1.724	0
MAGEA4	1.955	0
MAGEA5	1.692	0
MAGEA6	1.828	0
MAGEA7	0.278	0
MAGEA8	1.777	0
MAGEA9	1.807	0
MAGEB1	1.968	0
MAGEB10	1.567	0
MAGEB18	1.811	0
MAGEB2	1.607	0.1
MAGEB3	2.303	0.03
MAGEB4	2.142	0
MAGEB5	1.111	0
MAGEB6	1.949	0
MAGEB6B	1.224	0
MAGEC1	4.279	0
MAGEC2	1.992	0
MAGEC3	3.5	0
MAGED1	2.971	40.77
MAGED2	2.289	23.99
MAGED4	3.258	10.55
MAGEE1	3.628	0.16
MAGEE2	2.249	0
MAGEF1	1.682	12.52
MAGEH1	1.462	7.26

MAGEL2	2.295	0
MAGI1	12.591	3.03
MAGI2	13.76	0.47
MAGI3	4.154	3.51
Magmas	0.511	27.03
MAGOH	0.681	42.8
MAGOHP	1.071	1.41
MAK	3.83	0.22
MAK10	2.649	2.99
MAL	1.056	0.88
MAL2	2.796	0
MALAT1	8.356	66.04
MALL	2.566	0.07
MALT1	5.029	2.78
MAMDC1	4.727	0
MAMDC2	3.595	0
MAMDC4	3.658	1.56
MAML1	5.72	7.64
MAML2	5.428	5.28
MAML3	7.101	8.45
MAN1A1	4.34	19.62
MAN1A2	5.388	3.33
MAN1B1	2.769	16.89
MAN1C1	2.884	7.74
MAN2A1	5.128	1.09
MAN2A2	6.269	6.48
MAN2B1	3.461	41.18
MAN2B2	4.242	8.97
MAN2C1	3.254	28.19
MANBA	3.311	7.2
MANBAL	1.315	9.93
MANEA	4.574	0.88
MANEAL	4.449	2.48
MANSC1	2.297	0.11
MAOA	4.073	0.02
MAOB	2.555	0.1
MAP1A	10.244	6.9
MAP1B	9.893	0.03
MAP1D	1.534	1.38
MAP1LC3A	1.121	1.27
MAP1LC3B	2.27	33.32
MAP1LC3C	1.182	0
MAP1LC3P	0.625	0
MAP1S	3.276	27.23
MAP2	9.989	0.03
MAP2K1	2.172	20.09
MAP2K1IP1	1.556	10.34
MAP2K1P1	0.19	0
MAP2K2	1.734	69.95
MAP2K3	2.864	14.21

MAP2K4	3.743	3.91
MAP2K5	2.364	8.73
MAP2K6	1.869	0
MAP2K7	3.372	15.92
MAP3K1	7.719	1.72
MAP3K10	3.428	4.74
MAP3K11	3.573	44.91
MAP3K12	3.661	4.88
MAP3K13	3.557	0.03
MAP3K14	4.582	3.59
MAP3K15	5.164	2.25
MAP3K2	4.941	2.34
MAP3K3	4.826	10.65
MAP3K4	5.484	4.5
MAP3K5	6.067	6.57
MAP3K6	4.328	1.21
MAP3K7	4.203	7.72
MAP3K7IP1	3.862	10.15
MAP3K7IP2	4.152	20.71
MAP3K7IP3	3.782	2.8
MAP3K8	3.096	1.06
MAP3K9	5.602	0
MAP4	10.375	16.24
MAP4K1	2.692	14.52
MAP4K2	2.955	29.22
MAP4K3	4.113	1.6
MAP4K4	7.762	49.09
MAP4K5	4.614	4.21
MAP6	5.793	0
MAP6D1	2.104	0.6
MAP7	3.99	0.04
MAP7D1	3.324	32.59
MAP7D2	3.532	1.05
MAP7D3	4.528	6.1
MAP9	7.333	0
MAPBPIP	0.591	58.15
MAPK1	6.09	20.28
MAPK10	4.569	0.08
MAPK11	2.388	12.14
MAPK12	1.754	8.21
MAPK13	1.888	6.47
MAPK14	6.577	8.81
MAPK15	2.24	0
MAPK3	2.244	23.57
MAPK4	4.736	0
MAPK6	4.189	3.22
MAPK6PS1	5.207	0.05
MAPK6PS2	4.007	0
MAPK6PS3	4.145	0
MAPK6PS4	4.049	0.08

MAPK6PS5	2.114	0.16
MAPK6PS6	3.332	0.08
MAPK7	4.378	1.9
MAPK8	1.746	3.76
MAPK8IP1	3.05	0.14
MAPK8IP2	4.178	0
MAPK8IP3	5.624	16.61
MAPK9	3.02	5.69
MAPKAP1	3.866	19.61
MAPKAPK2	5.296	14.88
MAPKAPK3	3.575	53.27
MAPKAPK5	2.16	10.1
MAPKBP1	7.152	28.16
MAPRE1	2.543	43.89
MAPRE2	2.848	20.41
MAPRE3	1.87	0.14
MAPT	6.682	0.01
MARCH1	1.79	0.05
MARCH2	1.653	10.29
MARCH3	1.803	4.67
MARCH4	4.446	0.02
MARCH5	3.926	5.73
MARCH6	5.43	10.81
MARCH7	3.468	17.06
MARCH8	4.615	9.97
MARCH9	2.462	1.33
MARCKS	2.59	0.36
MARCKSL1	1.535	194.87
MARCO	1.835	0
MARK1	4.638	0
MARK2	3.821	10.32
MARK3	3.39	15.03
MARK4	4.917	11.31
MARS	2.795	31.94
MARS2	3.028	1.78
MARVELD1	3.217	41.05
MARVELD2	6.667	0
MARVELD3	3.384	0
MAS1	1.135	0
MAS1L	3.411	0
MASK-BP3	8.319	7.41
MASP1	7.405	0
MASP2	2.6	0.94
MAST1	4.833	0.03
MAST2	5.738	5.46
MAST3	5.896	13.76
MASTL	3.084	2.32
MAT1A	3.404	0.03
MAT2A	2.819	55.25
MAT2B	2.272	23.62

MATE2	2.235	0
MATK	2.61	7.65
MATN1	2.413	0
MATN2	4.188	0.12
MATN3	2.583	1.21
MATN4	2.075	0
MATR3	5.015	55.82
MAX	4.541	17.1
MAZ	2.83	179.79
MB	1.397	10.49
MBD1	4.903	12.32
MBD2	3.01	12.68
MBD3	2.559	41.12
MBD3L1	0.664	0
MBD3L2	0.777	0
MBD4	2.47	8.86
MBD5	5.311	1
MBD6	4.15	17.98
MBIP	1.605	3.2
MBL1P1	4.366	0
MBL2	3.569	0
MBNL1	9.993	13.18
MBNL2	7.503	0.97
MBNL3	4.08	4.81
MBOAT1	3.275	2.42
MBOAT2	3.804	1.4
MBOAT4	1.283	0.39
MBOAT5	2.297	18.15
MBP	9.371	5.34
MBTD1	2.564	1.78
MBTPS1	5.313	14.43
MBTPS2	1.759	1.87
MC1R	2.36	1.67
MC2R	3.652	0
MC3R	1.083	0
MC4R	0.999	0
MC5R	0.978	0
MCAM	3.332	48.54
MCART1	1.54	3.89
MCART2	1.041	0
MCART6	6.224	0.96
MCAT	1.981	8.85
MCC	4.18	0.06
MCCC1	2.528	11.23
MCCC2	4.658	4.07
MCCD1	2.127	0
MCEE	0.822	1.84
MCF2	3.654	0.04
MCF2L	3.413	2.64
MCF2L2	4.772	0.09

MCFD2	4.124	9.82
MCHR1	2.423	0
MCHR2	2.607	0
MCL1	6.934	18.81
MCM10	4.661	1.56
MCM2	3.435	28.87
MCM3	3.111	39.37
MCM3AP	6.113	15.36
MCM3APAS	2.314	1.31
MCM4	3.628	15.95
MCM5	2.534	41.99
MCM6	3.751	12.82
MCM7	7.569	17.36
MCM8	4.27	3.18
MCMDC1	2.442	0.82
MCOLN1	2.051	6.53
MCOLN2	3.044	0.03
MCOLN3	2.796	0
MCPH1	2.518	4.51
MCRS1	1.97	23.82
MCTP1	3.057	0.16
MCTP2	2.637	0.07
MCTS1	0.926	15.83
MDAC1	0.593	0
MDC1	20.82	0.13
MDFI	1.558	49.58
MDFIC	9.2	2.01
MDGA1	8.907	0.03
MDH1	1.268	54.68
MDH1B	2.332	0.11
MDH2	2.612	41.63
MDK	1.208	83.4
MDM1	4.879	2.01
MDM2	5.577	15.59
MDM4	3.038	4.74
MDN1	17.589	3.63
MDP-1	0.683	10.61
MDS032	0.843	29.08
MDS1	1.286	0
ME1	2.212	0
ME2	2.717	12.86
ME3	2.342	4.03
MEA1	0.868	73.27
MECP2	10.182	4.38
MECR	2.744	5.95
MED10	1.028	22.13
MED11	0.83	16.85
MED12	6.645	23.98
MED12L	7.694	0.03
MED18	1.831	2.81

MED19	1.515	6.23
MED25	2.333	19.35
MED28	1.831	29.67
MED31	1.196	3.38
MED4	2.022	12.87
MED6	1.344	4.51
MED8	3.496	5.42
MED9	2.222	35.56
MEF2A	5.126	32.53
MEF2B	1.665	6.02
MEF2C	5.877	76.79
MEF2D	6.101	41.26
MEFV	3.499	0.2
MEG3	1.582	0
MEGF10	7.524	0.03
MEGF11	5.702	1.15
MEGF6	6.852	18.19
MEGF8	8.306	3.15
MEGF9	6.297	3.66
MEIG1	0.516	0.16
MEIS1	3.181	0
MEIS2	7.002	0.01
MEIS3	2.764	0
MEIS3P1	2.856	0.15
MEIS3P2	1.888	0.04
MELK	2.439	1.52
MEMO1	0.1	64.86
MEN1	4.617	16.78
MEOX1	4.311	0
MEOX2	4.743	0
MEP1A	2.892	0
MEP1B	2.308	0
MEPE	1.964	0
MERTK	3.626	0.25
MESDC1	2.373	18.24
MESDC2	4.243	11.95
MESP1	1.162	0
MESP2	1.614	0
MEST	5.923	1.61
MESTP1	2.452	0.51
MET	13.244	0
METAP1	2.328	10.71
METAP2	1.91	30.92
METRNL	1.092	6.32
METRNL	1.333	23.32
METT10D	3.674	6.74
METT11D1	2.845	13.62
METT5D1	3.957	1.37
METTL1	2.574	4.25
METTL2A	2.905	2.38

METTL2B	4.364	1.26
METTL3	1.955	21.16
METTL4	3.65	1.22
METTL5	0.939	14.71
METTL6	0.994	2.46
METTL7A	3.39	21.59
METTL7B	1.417	2.02
METTL8	2.246	2.07
METTL9	3.138	21.55
MFAP1	2.063	14.74
MFAP2	1.142	0.07
MFAP3	3.104	3.14
MFAP3L	3.288	0.03
MFAP4	1.813	0
MFAP5	2.882	0.2
MFGE8	1.934	5.06
MFHAS1	5.229	19.06
MFI2	3.222	5.2
MFN1	3.519	2.28
MFN2	4.539	27.69
MFNG	2.034	42.53
MFRP	2.519	0
MFSD1	2.161	19.18
MFSD11	2.526	5.11
MFSD2	2.136	0.67
MFSD3	1.446	12.41
MFSD4	3.894	2.79
MFSD5	1.76	13.26
MFSD7	1.866	0.04
MFSD8	1.893	0.89
MFSD9	2.682	2.04
MGA	12.535	3.21
MGAM	12.969	0.09
MGAT1	3.618	61.16
MGAT2	3.012	10.01
MGAT3	2.326	0.91
MGAT4A	8.58	6.85
MGAT4B	4.233	8.68
MGAT4C	2.564	0
MGAT5	5.083	1.16
MGAT5B	4.555	1.4
MGC102966	1.686	0
MGC10334	2.193	9.99
MGC10433	1.65	37.58
MGC10646	2.179	0.2
MGC10997	2.105	0.08
MGC11102	2.836	6.48
MGC11257	4.262	2.61
MGC119295	2.442	0.03
MGC12760	0.577	0.88

MGC12965	2.128	1.58
MGC12966	4.428	12.92
MGC13005	1.652	0
MGC13017	1.204	7.98
MGC13057	0.692	0.48
MGC13098	1.746	0.38
MGC13114	1.677	24.52
MGC13379	1.052	6.65
MGC14327	1.557	18.07
MGC14376	1.449	0.53
MGC15523	5.035	24.86
MGC157906	0.839	0
MGC15885	2.698	0
MGC16121	2.089	0.04
MGC16169	3.31	5.65
MGC16291	2.283	0
MGC16385	2.742	2.91
MGC16703	1.818	0.04
MGC16824	3.55	10.27
MGC17330	2.427	25.93
MGC17403	0.657	1.92
MGC19604	2.702	13.21
MGC20983	2.122	0
MGC21675	2.684	10.1
MGC21874	7.226	2.38
MGC22014	10.984	3.1
MGC23985	0.506	0
MGC24039	6.722	0.83
MGC2408	0.986	7
MGC24975	1.64	0.67
MGC26356	2.553	0.2
MGC26597	4.24	0.32
MGC26647	2.036	0
MGC26718	2.079	0
MGC26733	4.844	0
MGC26963	2.127	0.08
MGC27016	2.448	0
MGC27121	1.644	0
MGC27348	14.487	0.28
MGC2752	3.073	7.37
MGC29506	0.988	481.45
MGC29671	1.893	3.29
MGC29891	3.357	1.23
MGC3032	5.415	5.73
MGC3196	0.609	11.9
MGC3207	3.389	11.39
MGC33212	0.651	5.82
MGC33407	1.42	0
MGC33556	2.485	127.43
MGC33657	2.948	0

MGC33846	1.861	0
MGC33894	0.915	0.46
MGC34646	3.467	0.03
MGC34761	1.97	0
MGC34774	3.59	0
MGC34796	2.055	0
MGC34800	2.502	0
MGC34821	1.663	0
MGC34824	1.757	0
MGC34829	2.949	1.28
MGC35154	1.383	0
MGC35295	1.536	0.05
MGC35308	2.704	0
MGC35361	4.434	0.46
MGC35402	2.334	0.76
MGC35440	2.209	0.31
MGC39545	0.71	0
MGC39584	0.586	0
MGC39606	2.921	0
MGC39715	2.444	0
MGC39900	1.636	1.13
MGC40405	5.382	0.28
MGC40489	2.625	6.39
MGC40499	2.94	5.22
MGC40574	1.65	0.15
MGC4093	0.986	5.29
MGC4172	1.484	5.23
MGC42090	7.952	0
MGC42105	2.313	0.03
MGC42157	1.046	0.24
MGC42367	4.031	3.91
MGC4294	0.968	0
MGC44328	0.727	0
MGC45134	1.627	6.47
MGC45438	1.828	0.04
MGC45491	2.464	0.03
MGC45713	0.959	0
MGC45800	1.761	0
MGC46336	1.765	0.09
MGC46496	1.644	0
MGC4655	2.694	2.78
MGC4677	0.491	4.29
MGC48628	3.927	0
MGC50273	1.325	0.06
MGC50559	2.055	0.33
MGC50811	1.323	0.19
MGC51025	1.616	0
MGC5139	4.811	7.11
MGC52110	1.662	8.26
MGC52282	0.692	0

MGC52498	1.992	0.47
MGC57346	1.879	4.71
MGC59937	0.74	0
MGC61571	0.626	10.63
MGC61598	1.77	0.09
MGC7036	1.435	46.08
MGC70857	1.932	2.66
MGC70863	1.665	2.88
MGC70870	2.144	0
MGC70924	1.53	0.55
MGC71993	0.582	152.84
MGC72080	12.869	0.19
MGC72104	0.873	10.03
MGC87042	2.384	0.53
MGC87315	6.66	0.77
MGC87631	2.806	0
MGC87895	0.838	391.93
MGC88374	1.132	0
MGC9712	8.99	0
MGC99813	2.218	0.03
MGEA5	5.146	20.82
MGLL	4.884	2.48
MGMT	0.864	84.92
MGP	0.661	1.02
MGRN1	3.904	20.97
MGST1	1.507	0
MGST2	0.801	42.69
MGST3	0.663	1.39
MIA	0.537	0.47
MIA2	2.281	0
MIA3	11.975	5.27
MIB1	9.308	1.67
MIB2	3.244	13.35
MICA	4.103	0.43
MICAL1	4.147	64.25
MICAL2	3.906	0.08
MICAL3	6.515	6.72
MICALCL	2.362	0
MICALL1	4.195	21.08
MICALL2	8.01	0.31
MICB	7.106	0.12
MICC	13.868	0
MICD	5.374	0
MICE	7.449	0
MICF	0.3	0
MICG	0.909	0
MID1	6.181	0.08
MID1IP1	2.358	26.5
MID2	2.667	0.06
MIDN	3.793	13.77

MIER1	4.972	1.84
MIER2	2.762	5.91
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MIF	0.561	513.98
MIF4GD	1.412	10.74
MINA	2.494	8.48
MINK1	4.971	9.59
MINPP1	2.394	2.32
MIOX	1.437	0
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MIPEP	2.375	2.41
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MIS12	2.502	4.44
MIST	1.782	0
MITD1	0.91	10.46
MITF	5.463	0.08
MIXL1	0.699	0
MIZF	2.3	10.03
MKI67	12.497	22.69
MKI67IP	1.67	14.47
MKKS	2.774	8.38
MKL1	4.49	13.79
MKL2	8.634	1.84
MKLN1	22.274	0.99
MKNK1	2.946	10.9
MKNK2	4.134	51.82
MKRN1	6.146	9.51
MKRN2	2.767	9.08
MKRN3	3.107	0
MKRN4	3.669	0.28
MKRNP1	3.747	0.54
MKRNP2	3.656	0
MKRNP3	1.262	0
MKS1	2.397	6.12
MKX	3.605	0
MLANA	1.524	0
MLC1	4.174	15.82
MLCK	2.74	0
MLF1	1.105	0.15
MLF1IP	2.533	6.32
MLF2	1.517	75.13
MLH1	2.524	11.25
MLH3	7.896	1.81
MLKL	2.498	11.63
MLL	15.258	2.98
MLL2	17.007	6.18
MLL3	35.348	1.43
MLL4	8.468	7.84
MLL5	15.047	6.99
MLLT1	5.405	12.03
MLLT10	5.121	7.14
MLLT11	2.158	4.56
MLLT3	3.375	0.05
MLLT4	11.573	6.46

MLLT6	6.897	38.05
MLLT7	3.137	7.6
MLN	0.58	0
MLNR	1.239	0.14
MLPH	2.38	0.03
MLSTD1	2.486	8.57
MLSTD2	5.21	1.69
MLX	2.604	14.14
MLXIP	7.38	41.63
MLXIPL	6.926	0.41
MLYCD	2.142	1.69
MLZE	2.714	0.03
MMAA	1.473	3.03
MMAB	2.348	6.02
MMACHC	2.227	3.41
MMD	2.723	3.03
MMD2	4.67	0.02
MME	5.998	72.76
MMEL1	2.85	0.24
MMP1	1.973	0
MMP10	1.743	0
MMP11	2.261	14.68
MMP12	1.824	0
MMP13	2.715	0
MMP14	3.538	19.38
MMP15	4.438	1.88
MMP16	6.623	0
MMP17	2.681	75.5
MMP19	5.445	0.85
MMP2	3.536	0.09
MMP20	1.956	0
MMP21	1.919	0.04
MMP23A	5.465	1.09
MMP23B	1.565	0.75
MMP24	4.182	2.32
MMP25	4.722	3.05
MMP26	0.991	0
MMP27	1.647	0
MMP28	3.035	3.31
MMP3	1.828	0
MMP7	1.119	0
MMP8	2.225	5.72
MMP9	2.548	9.88
MMRN1	4.969	7.38
MMRN2	3.828	0.15
MMS19L	3.485	18.18
MN1	7.556	0.08
MNAT1	1.372	3.87
MND1	0.941	8.68
MNDA	1.667	1.87

MNS1	1.945	0.6
MNT	4.842	6.63
MOAP1	2.618	10.45
MOBK1B	3.709	23.03
MOBK1A	6.958	1.1
MOBK2A	3.331	82.97
MOBK2B	6.525	1.05
MOBK2C	3.392	4.69
MOBP	2.588	0
MOCOS	2.724	0.03
MOCS1	4.541	0.02
MOCS2	2.329	8.61
MOCS3	2.458	1.95
MOCS3P	1.638	0
MOG	16.242	0
MOGAT1	1.093	0
MOGAT2	1.005	0
MOGAT3	2.82	0
MON1A	2.038	6.45
MON1B	3.582	8.46
MON2	6.071	2.9
MORC1	3.743	0.03
MORC2	4.467	8.56
MORC3	4.227	4.24
MORC4	3.041	1.19
MORF4	0.708	0.48
MORF4L1	1.943	41.4
MORF4L2	1.828	43.04
MORF4LP1	1.795	38.71
MORF4LP3	2.435	0.17
MORF4LP4	2.009	0.13
MORG1	1.129	16.72
MORN1	1.641	0.72
MORN2	0.681	1.73
MORN3	1.158	0.22
MOS	1.041	0
MOSC1	2	0.25
MOSC2	1.576	0.11
MOSPD1	2.358	2.61
MOSPD2	3.171	0.82
MOSPD3	3.322	5.3
MOV10	3.312	15.87
MOV10L1	3.898	0
MOXD1	2.166	0.04
MPDU1	1.695	37.32
MPDZ	6.564	0
MPEG1	8.313	0.49
MPFL	3.162	0
MPG	2.156	33.84
MPHOSPH1	6.31	1.41

MPHOSPH10	2.483	8.04
MPHOSPH6	1.08	8.5
MPHOSPH9	3.611	4.1
MPI	1.771	36.81
MPL	3.645	0.58
MPN2	1.243	0
MPND	1.513	13.09
MPO	3.215	45.64
MPP1	2	42.54
MPP2	4.412	0.63
MPP3	2.996	0.71
MPP4	2.435	0
MPP5	5.357	0.94
MPP6	4.998	5.71
MPP7	2.092	0.04
MPPE1	2.806	4.98
MPPED1	1.537	0
MPPED2	2.249	0.03
MPST	1.728	18.62
MPV17	0.998	50.81
MPV17L	2.213	0.76
MPZ	1.944	0.95
MPZL1	6.897	6.53
MR1	1.263	5.54
MRAP	1.721	4.6
MRAS	3.91	0.07
MRC1	5.171	12.12
MRC1L1	5.171	49.79
MRC2	4.693	0.09
MRCL3	1.229	104.8
MRE11A	5.332	2.56
MRE11B	1.65	0.46
MREG	1.533	0
MRFAP1	1.534	75.17
MRFAP1L1	3.333	11.07
MRGPRD	0.966	0
MRGPRE	1.02	0
MRGPRF	2.152	0
MRGPRG	0.87	0
MRGPRX1	1.207	0
MRGPRX2	2.036	0
MRGPRX3	1.639	0
MRGPRX4	1.442	0
M-RIP	12.368	25.03
MRLC2	0.879	94.97
MRM1	1.833	6.85
MRO	2.108	0
MRP63	2.658	17.72
MRP63P1	0.285	0
MRP63P10	0.262	0

MRP63P2	0.208	0
MRP63P3	0.196	0
MRP63P6	0.326	0
MRP63P7	0.273	0
MRP63P8	0.275	0
MRP63P9	0.195	0
MRPL1	1.258	11.92
MRPL10	1.921	22.41
MRPL11	1.249	32.31
MRPL11P2	0.419	1.41
MRPL11P3	0.11	0
MRPL12	1	49.45
MRPL13	1.11	6.6
MRPL14	0.775	46.63
MRPL14P1	0.197	0
MRPL15	1.136	17.73
MRPL15P1	1.163	0
MRPL16	1.449	20.93
MRPL17	1.044	30.18
MRPL18	0.971	41.04
MRPL19	7.827	2.17
MRPL2	1.286	24.56
MRPL20	0.681	49.11
MRPL20P1	0.47	2.69
MRPL21	1.044	24.52
MRPL22	0.839	20.18
MRPL22P1	0.688	0.49
MRPL23	0.699	55.91
MRPL24	1.006	46.89
MRPL27	3.158	6.77
MRPL28	1.099	49.06
MRPL2P1	0.92	1.93
MRPL3	1.733	21.48
MRPL30	3.093	6.45
MRPL30P1	0.371	2.04
MRPL30P2	0.382	0
MRPL32	1.79	11.06
MRPL32P1	0.264	0
MRPL33	0.827	16.2
MRPL34	0.968	38.46
MRPL35	3.336	6.04
MRPL35P1	0.372	0.23
MRPL35P2	0.371	0.23
MRPL35P3	0.37	0.23
MRPL35P4	0.369	0
MRPL36	0.604	34.45
MRPL36P1	0.312	1.35
MRPL37	1.478	49.81
MRPL38	1.868	30.3
MRPL39	1.27	8.69

MRPL3P1	1.038	8.19
MRPL4	3.064	17.45
MRPL40	0.776	27.58
MRPL41	0.568	69.26
MRPL42	2.303	4.64
MRPL42P1	0.426	0
MRPL42P2	0.429	0
MRPL42P3	0.339	0.49
MRPL42P4	0.702	0
MRPL42P5	0.667	0.5
MRPL43	3.318	14.85
MRPL44	1.728	9.89
MRPL45	1.696	37.25
MRPL45P1	0.749	0.9
MRPL46	0.985	13.17
MRPL47	1.399	9.21
MRPL48	1.977	7.89
MRPL48P1	0.636	1.46
MRPL49	2.089	25.85
MRPL49P1	0.537	0
MRPL49P2	0.468	0
MRPL50	0.998	4.98
MRPL50P1	0.398	0
MRPL50P2	0.482	0.17
MRPL50P3	0.477	0
MRPL50P4	0.48	0
MRPL51	0.663	115.87
MRPL51P1	0.263	0
MRPL51P2	0.376	2.69
MRPL52	2.463	6.81
MRPL53	0.616	67.01
MRPL53P1	0.354	0
MRPL54	0.609	40.81
MRPL55	1.284	18.89
MRPL9	1.292	52.62
MRPL9P1	1.026	2.79
MRPS10	2.11	7.67
MRPS10P1	0.131	0
MRPS10P2	0.404	0
MRPS10P5	0.579	7.85
MRPS11	1.415	17.86
MRPS11P1	0.619	1.22
MRPS12	1.606	18.78
MRPS14	1.081	14.03
MRPS15	0.883	50.75
MRPS15P1	0.756	0
MRPS15P2	0.978	0.43
MRPS16	2.634	21.53
MRPS16P	0.411	0.2
MRPS16P1	0.416	4.45

MRPS16P3	0.41	0
MRPS17	1.172	8.62
MRPS17P1	0.393	1.5
MRPS17P3	0.389	0
MRPS17P5	0.186	0
MRPS17P6	0.211	0
MRPS17P7	0.393	0
MRPS17P9	0.393	0.21
MRPS18A	1.06	25.91
MRPS18AP1	0.592	0.99
MRPS18B	4.227	0.04
MRPS18BP1	0.192	0
MRPS18BP2	0.776	2.39
MRPS18C	1.014	14.79
MRPS18CP2	0.293	4.03
MRPS18CP3	0.229	0
MRPS18CP5	0.431	0.2
MRPS18CP6	0.243	0
MRPS2	1.434	28.54
MRPS21	1.142	46.25
MRPS21P1	0.262	0.32
MRPS21P2	0.264	0.32
MRPS21P3	0.264	0
MRPS21P4	0.145	0
MRPS21P5	0.27	0
MRPS21P6	0.264	7.97
MRPS21P7	0.26	0
MRPS21P8	0.26	0
MRPS21P9	0.267	0
MRPS22	1.123	12.53
MRPS22P1	0.457	0
MRPS23	0.903	26.03
MRPS23P1	1.808	0.47
MRPS24	1.296	37.05
MRPS24P1	0.492	0
MRPS25	4.566	7.36
MRPS25P1	0.52	0.16
MRPS26	1.039	38.43
MRPS27	2.631	29.81
MRPS28	0.707	14.06
MRPS29P1	3.385	0
MRPS29P2	0.515	11.61
MRPS30	1.67	11.85
MRPS31	1.284	10.17
MRPS31P1	0.213	0
MRPS31P2	16.253	0.25
MRPS33	1.528	8.93
MRPS33P1	0.167	0
MRPS33P2	0.322	0
MRPS33P3	0.322	0.26

MRPS33P4	0.252	0
MRPS34	1.003	56.86
MRPS35	1.865	14.81
MRPS35P1	0.128	0
MRPS35P2	0.179	0
MRPS35P3	0.539	0
MRPS36	2.658	2.44
MRPS36P1	0.31	11.96
MRPS36P2	0.103	0
MRPS36P3	0.133	0
MRPS36P4	0.302	0
MRPS36P5	0.302	0
MRPS36P6	0.221	0
MRPS5	1.661	25.51
MRPS5P3	1.304	4.33
MRPS5P4	0.338	0
MRPS6	2.309	47.68
MRPS6P1	0.364	0
MRPS6P2	0.374	5.41
MRPS6P4	0.308	0
MRPS7	1.371	26.23
MRPS7P1	0.705	0
MRPS7P2	1.049	0.65
MRPS9	1.435	13.85
MRRF	2.676	3.46
MRS2L	3.348	2.09
MRTO4	1.563	19.46
MRVI1	5.361	5.83
MS4A1	3.61	114.06
MS4A10	2.296	0.07
MS4A12	1.167	0
MS4A13	0.928	0
MS4A2	3.725	0
MS4A3	1.817	1.3
MS4A4A	1.811	5.81
MS4A5	0.722	0
MS4A6A	3.024	0.33
MS4A6E	0.66	0.13
MS4A7	3.141	1.77
MS4A8B	1.353	0
MSC	1.931	0
MSGN1	1.437	32.95
MSH2	3.145	9.21
MSH3	4.62	1.98
MSH4	3.203	0.03
MSH5	8.711	1.11
MSH6	4.263	33.13
MSI1	2.95	0.03
MSI2	6.051	17.72
MSL-1	7.821	11.35

MSL2L1	4.696	8.93
MSL3L1	6.092	3.81
MSLN	2.219	0
MSMB	0.897	0
MSN	3.97	214.9
MSNL1	3.864	21.8
MSR1	5.35	0.5
MSRA	1.482	22.85
MSRB2	0.908	13.64
MSRB3	4.51	0.09
MST1	2.223	1.75
MST101	3.491	5.07
MST150	1.975	89.52
MST1R	4.536	0.31
MSTO1	2.44	10.95
MSTP2	0.4	0
MSTP7	0.411	0
MSTP9	13.517	0.1
MSX1	1.933	2.87
MSX2	2.208	0
MSX2P	2.162	0.04
MT1A	0.396	0
MT1B	0.38	0
MT1DP	0.435	0.2
MT1E	0.506	26.47
MT1F	0.438	32.7
MT1G	0.396	34.89
MT1H	0.349	3.38
MT1JP	1.762	0.15
MT1L	1.118	0
MT1M	0.397	1.7
MT1P1	0.399	0
MT1P2	0.52	3.89
MT1P3	0.339	6.96
MT1X	0.391	148.22
MT2A	0.372	56.16
MT2P1	0.186	9.96
MT3	0.582	0
MT4	0.189	0
MTA1	2.662	32.44
MTA2	3.06	69.62
MTA3	1.857	6.48
MTAC2D1	4.604	0.19
MTAP	4.922	1.47
MTBP	3.059	0.82
MTCH1	2.487	55.04
MTCH2	2.474	16.14
MTCO1P2	1.03	139.68
MTCO2L	0.477	0
MTCP1	3.485	1.69

MTDH	4.081	20.45
MTERF	4.326	0.72
MTERFD1	1.406	3.36
MTERFD2	5.718	11.11
MTERFD3	1.876	1.57
MTF1	3.301	1.25
MTF2	2.562	9.6
MTFMT	1.736	4.81
MTFR1	2.635	1.15
MTG1	1.614	10.65
MTHFD1	3.11	15.44
MTHFD1L	3.598	6.35
MTHFD2	2.589	6.71
MTHFD2L	2.453	0.69
MTHFR	7.105	3.2
MTHFS	0.857	7.47
MTHFSD	2.551	7.16
MTIF2	3.029	5.56
MTIF2P1	1.587	1.06
MTIF3	2.132	63.41
MTL5	5.192	0.26
MTM1	3.412	3.82
MTMR1	4.092	7.78
MTMR10	2.216	2.09
MTMR11	2.324	0.22
MTMR12	5.187	5.6
MTMR14	2.406	34.03
MTMR15	4.835	6.05
MTMR2	4.997	4.01
MTMR3	5.99	7.17
MTMR4	5.785	8.04
MTMR6	4.185	1.73
MTMR7	3.85	0.22
MTMR8	2.639	0.25
MTMR9	7.406	0.73
MTND2P2	1.575	0
MTNR1A	1.105	0
MTNR1B	1.662	0
MTO1	3.322	6.9
MTP18	1.762	9.14
MTPN	7.476	13.58
MTR	7.102	2.68
MTRF1	2.174	2.44
MTRF1L	2.53	1.97
MTRR	3.482	4.69
MTSS1	4.933	4.2
MTTP	3.392	0
MTUS1	9.7	0.03
MTX1	1.768	11.96
MTX1P	3.461	3.6

MTX2	1.839	2.43
MTX3	6.155	0.23
MUC1	1.969	0.25
MUC12	8.561	2.1
MUC13	2.861	0
MUC15	2.084	0
MUC16	43.816	0
MUC17	28.7	0.08
MUC19	21.987	0.02
MUC2	5.903	0
MUC20	1.828	1.94
MUC3B	3.749	0
MUC4	9.087	49.82
MUC5AC	3.811	0
MUC5B	17.695	0.01
MUC6	6.214	0.13
MUC7	2.341	0
MUCDHL	3.125	0.03
MUM1	4.179	9.09
MUM1L1	3.957	0
MUS81	2.319	18.2
MUSK	2.666	0
MUSTN1	0.971	4.25
MUT	2.776	5.58
MUTED	2.27	2.64
MUTYH	1.839	7.51
MVD	1.795	12.43
MVK	1.952	3.24
MVP	3.116	33.2
MX1	2.787	3.93
MX2	2.961	0.54
MXD1	5.587	0.66
MXD3	1.049	32.68
MXD4	3.773	35.12
MXI1	3.968	3.5
MXRA5	9.638	0
MXRA7	5.207	30.1
MXRA8	2.273	1.49
MYADM	3.769	38.98
MYADML	1.949	0.04
MYB	3.314	64.24
MYBBP1A	5.718	15.5
MYBL1	5.698	0.36
MYBL2	2.713	24.71
MYBPC1	4.033	0
MYBPC2	3.561	4.97
MYBPC3	4.2	0.18
MYBPH	1.806	0.04
MYBPHL	1.372	0
MYC	2.359	27.78

MYCBP	2.093	10.66
MYCBP2	14.734	6.36
MYCBPAP	3.123	0.16
MYCL1	5.66	0.06
MYCL2	1.077	0
MYCL3	1.13	0
MYCN	2.605	0
MYCT1	1.083	0
MYD88	2.814	24.85
MYEF2	4.543	0
MYEOV	2.287	0
MYEOV2	0.904	24.88
MYF5	1.427	0
MYF6	1.294	0
MYH1	5.925	0
MYH10	7.619	7.21
MYH11	7.931	0.21
MYH13	5.992	0
MYH14	6.786	0.4
MYH15	7.075	0.2
MYH16	53.879	0
MYH2	6.046	0
MYH3	6.025	0.38
MYH4	6.016	0
MYH6	5.94	0
MYH7	6.008	0
MYH7B	6.289	0.35
MYH8	6.016	0
MYH9	7.42	102.79
MYL1	1.144	0
MYL2	0.787	0
MYL3	0.877	0
MYL4	0.983	4.28
MYL5	0.661	5.35
MYL6	0.95	758.04
MYL6B	0.869	86.76
MYL6P	0.645	23.9
MYL7	2.33	16.45
MYL9	1.187	42.51
MYLC2PL	1.362	0
MYLIP	3.072	6.53
MYLK	12.152	7.71
MYLK2	2.683	0
MYLPF	0.655	0.77
MYNN	3.134	3.44
MYO10	7.787	4.66
MYO15A	11.863	0.02
MYO15B	2.908	1.19
MYO16	6.874	0
MYO18A	9.341	49.9

MYO18B	8.565	0
MYO1A	3.613	0.03
MYO1B	4.825	15.2
MYO1C	4.316	1.48
MYO1D	5.182	0.29
MYO1E	4.715	0.32
MYO1F	3.827	1.23
MYO1G	6.484	2.58
MYO3A	5.584	2.32
MYO3B	5.56	0
MYO5A	6.396	2.61
MYO5B	9.508	0.03
MYO5C	6.828	9.79
MYO6	8.662	0.02
MYO7A	7.462	12.27
MYO7B	6.715	0.11
MYO9A	8.459	1.08
MYO9B	7.459	20.96
MYOC	2.045	0.58
MYOCD	2.817	0
MYOD1	1.806	0
MYOG	1.53	0
MYOHD1	5.246	4.19
MYOM1	5.847	0.42
MYOM2	4.921	0.51
MYOM3	4.856	0
MYOT	2.244	0.08
MYOZ1	1.541	0.54
MYOZ2	2.508	0
MYOZ3	3.443	0.25
MYPN	5.699	0
MYRIP	4.87	3.34
MYSM1	3.483	3.37
MYST1	1.518	24.36
MYST2	3.556	18.22
MYST3	7.86	11.08
MYST4	6.533	8.34
MYT1	5.535	0.02
MYT1L	7.136	0.13
MZF1	3.124	7.52
N4BP1	7.106	5.68
N4BP2	6.598	1.98
N4BP3	5.987	0.93
N6AMT1	4.865	0.74
N6AMT2	0.875	11.55
NAALAD2	3.129	0.03
NAALADL1	2.687	0.35
NAALADL2	4.912	0
NAB1	4.469	3.28
NAB2	2.498	2.23

NACA	1.059	517.74
NACAL	0.777	196.55
NACAP1	0.703	19.65
NADK	3.235	22.29
NADSYN1	2.433	23.34
NAG	7.282	18.48
NAG18	1.582	0.64
NAG6	8.336	0.16
NAG8	5.139	0.05
NAGA	3.606	18.97
NAGK	1.535	23.49
NAGLU	2.783	3.84
NAGPA	2.203	7.07
NAGS	2.072	0
NAIP	10.452	0.01
NANOG	2.098	0
NANOGP1	26.133	0
NANOGP10	1.816	0
NANOGP11	0.401	0
NANOGP2	1.484	0
NANOGP3	0.689	0
NANOGP4	3.599	0.12
NANOGP5	1.984	0
NANOGP6	0.941	0
NANOGP7	1.565	0
NANOGP8	2.14	0
NANOGP9	1.513	0
NANOS1	8.476	0.51
NANOS2	1.565	0
NANOS3	0.949	0
NANP	2.337	1.05
NANS	1.17	28.8
NAP1L1	5.136	56.29
NAP1L2	2.531	0.03
NAP1L3	2.68	0.03
NAP1L4	2.518	34.56
NAP1L5	1.914	2.69
NAP1L6	2.044	0
NAPA	1.842	53.14
NAPB	3.787	2.67
NAPE-PLD	9.596	0.37
NAPG	1.163	3.48
NAPRT1	1.857	26.17
NAPSA	1.392	4
NAPSB	12.279	28.46
NARF	2.048	23.45
NARFL	2.093	33.93
NARG1	5.554	3.91
NARG1L	4.754	1.37
NARG2	7.564	3.99

NARS	2.714	23.78
NARS2	2.098	9.59
NARSP	3.256	0.2
NASP	3.505	39.29
NASPP1	3.031	11.59
NAT1	1.424	1.18
NAT10	4.002	25.17
NAT11	3.308	6.85
NAT12	2.892	1.72
NAT13	3.576	13.41
NAT14	1.313	6.22
NAT2	1.276	0
NAT5	1.746	23.21
NAT6	1.195	5.85
NAT8	0.954	0
NAT8B	0.83	0.1
NAT8L	2.342	0.07
NAT9	1.875	19.72
NAV1	12.469	26.07
NAV2	11.14	1.07
NAV3	9.63	0
NBEA	10.792	0.3
NBEAL1	4.656	0.13
NBEAL2	8.887	10.27
NBL1	2.18	2.7
NBLA00301	1.599	0
NBN	4.967	5.77
NBPF1	4.288	1.35
NBPF11	5.541	0.64
NBPF13P	39.878	0.02
NBPF14	3.689	0.18
NBPF15	4.02	0.61
NBPF17P	64.487	0.02
NBPF18P	9.839	0.03
NBPF20	2.931	0.08
NBPF21P	21.789	0
NBPF2P	4.853	0.17
NBPF3	3.766	0.65
NBPF4	2.817	0
NBPF6	2.982	0
NBPF7	1.887	0
NBPF8	2.92	0.38
NBPF9	2.181	0
NBR1	2.908	3.25
NBR2	1.368	6.78
NCALD	3.279	1.83
NCAM1	4.243	0.1
NCAM2	3.699	0
NCAN	6.289	0.02
NCAPD2	4.486	29.37

NCAPD3	5.605	8.55
NCAPG	4.664	4.63
NCAPG2	10.506	2.06
NCAPH	4.495	5.38
NCAPH2	2.76	9.98
NCBP1	3.059	6.48
NCBP2	2.101	24.66
NCDN	3.973	9.16
NCF1	2.796	10.33
NCF2	2.389	26.51
NCF4	2.215	67.31
NCK1	1.914	9.51
NCK2	4.021	6.08
NCKAP1	4.632	0.13
NCKAP1L	4.443	48.96
NCKIPSD	3.054	7.61
NCL	2.717	240.21
NCLN	3.733	23.96
NCOA1	9.602	8.04
NCOA2	6.448	3.57
NCOA3	8.028	5.2
NCOA4	3.487	46.74
NCOA4P	3.043	1.39
NCOA5	3.209	20.27
NCOA6	7.062	8.31
NCOA7	5.521	2.41
NCOR1	11.49	6.29
NCOR2	8.825	36.21
NCR1	1.135	0
NCR2	0.932	0
NCR3	3.126	0
NCSTN	2.935	29.76
ND1	0.957	0
ND2	1.044	0
ND3	0.346	0
ND4	1.378	0
ND4L	0.297	0
ND5	1.812	0
ND6	0.525	0
NDC80	2.072	7.52
NDE1	2.521	11.19
NDEL1	3.644	9.25
NDFIP1	2.533	9.54
NDFIP2	2.636	0.29
NDN	1.897	0.08
NDNL2	1.66	9.59
NDOR1	2.434	4.43
NDP	1.833	0
NDRG1	3.032	70.63
NDRG2	2.199	17

NDRG3	2.964	17.85
NDRG4	5.309	13.5
NDST1	7.915	15.9
NDST2	3.749	9.01
NDST3	3.181	0
NDST4	3.351	0
NDUFA1	0.475	178.58
NDUFA10	1.527	43.91
NDUFA11	0.799	99.73
NDUFA12	0.6	61.49
NDUFA12L	0.622	17.2
NDUFA13	0.959	178.84
NDUFA2	0.586	69.57
NDUFA3	0.341	120.79
NDUFA4	1.646	29.73
NDUFA4L2	1.188	0.07
NDUFA4P1	0.63	23.8
NDUFA5	3.101	6.52
NDUFA6	1.184	27.6
NDUFA7	0.511	63.14
NDUFA8	0.844	35.93
NDUFA9	1.269	30.67
NDUFA9P1	1.15	2.27
NDUFAB1	0.667	47.23
NDUFAF1	1.457	7.29
NDUFB1	0.42	52.55
NDUFB10	0.849	94.65
NDUFB11	0.948	86.37
NDUFB2	0.99	27.57
NDUFB3	0.675	31.83
NDUFB3P1	0.574	0.88
NDUFB3P2	0.304	1.1
NDUFB3P3	0.46	0
NDUFB3P4	0.456	12.93
NDUFB3P5	0.401	0
NDUFB4	0.527	101.82
NDUFB5	1.059	33.81
NDUFB6	0.862	8.2
NDUFB7	0.543	104.4
NDUFB8	0.686	66.06
NDUFB8P1	0.658	0.13
NDUFB9	0.703	91.3
NDUFC1	0.412	46.82
NDUFC2	2.138	21.51
NDUFS1	3.417	8.95
NDUFS2	2.042	26.36
NDUFS3	0.888	68.3
NDUFS4	0.653	35.73
NDUFS5	0.511	142.75
NDUFS6	0.533	97.04

NDUFS7	0.756	46.24
NDUFS8	0.779	81.21
NDUFV1	1.541	86.75
NDUFV2	0.826	44.36
NDUFV2P1	1.181	14.41
NDUFV3	2.13	10.28
NEB	20.581	0.03
NEBL	8.82	0.01
NECAP1	2.564	5.39
NECAP2	2.004	123.33
NEDD1	2.36	3.14
NEDD4	10.567	1.33
NEDD4L	4.869	0.17
NEDD8	0.606	187.8
NEDD9	5.332	10.5
NEFH	3.683	0.03
NEFL	1.633	0
NEFM	3.238	0
NEGR1	5.669	24.93
NEIL1	1.813	5.67
NEIL2	2.661	8.54
NEIL3	2.273	0.63
NEK1	5.501	2.02
NEK10	2.845	0
NEK11	3.278	0.18
NEK2	2.13	3.72
NEK2P	2.064	0
NEK3	2.509	2.82
NEK4	3.696	4.81
NEK5	2.912	0
NEK6	2.954	11.4
NEK7	1.391	9.02
NEK8	2.858	1.95
NEK9	4.85	11.81
NELF	2.956	8.66
NELL1	3	0
NELL2	3.196	0.03
NENF	0.898	29.73
NEO1	5.653	4.27
NES	5.558	0.15
NESPAS	1.156	0
NET1	3.232	21.32
NETO1	3.921	0
NETO2	3.653	0
NEU1	5.766	0.06
NEU2	1.143	0
NEU3	3.828	1.95
NEU4	2.302	0.14
NEURL	3.996	0.08
NEURL2	1.259	0.93

NEUROD1	2.502	0
NEUROD2	2.018	0
NEUROD4	1.481	0
NEUROD6	4.314	0
NEUROG1	1.668	0
NEUROG2	2.287	0.08
NEUROG3	1.167	0.58
NEXN	2.109	8.23
NF1	8.959	3.13
NF2	10.998	4.41
NFAM1	3.04	0.55
NFASC	10.079	0
NFAT5	16.904	1.78
NFATC1	8.875	3.26
NFATC2	4.15	5.6
NFATC2IP	3.877	7.84
NFATC3	7.651	29.63
NFATC4	4.901	0
NFE2	1.658	4.01
NFE2L1	4.749	23.56
NFE2L2	2.408	8.78
NFE2L3	5.698	0.18
NFIA	2.653	0.99
NFIB	8.159	0.01
NFIC	6.86	16.03
NFIL3	2.085	13.01
NFIX	5.576	16.72
NFKB1	4.087	20.98
NFKB2	3.004	6.67
NFKBIA	1.55	43.15
NFKBIB	2.974	7.73
NFKBIE	2.581	3.69
NFKBIL1	4.392	0.08
NFKBIL2	6.563	8.67
NFKBIZ	4.311	2.48
NFRKB	4.358	6.84
NFS1	2.678	4.69
NFU1	1.921	7.89
NFX1	5.831	4.96
NFXL1	3.728	1.38
NFYA	3.399	17.2
NFYB	3.482	2.73
NFYC	1.963	25.23
NGB	1.876	0
NGDN	3.9	5.68
NGEF	3.156	0
NGFB	1.049	0
NGFR	3.387	13.66
NGFRAP1	1.837	0.04
NGFRAP1L1	0.857	0

NGLY1	2.182	18.34
NGRN	2.085	21.17
NHEDC1	1.859	0.09
NHEJ1	2.037	6.91
NHLH1	2.513	0.1
NHLH2	2.512	0
NHLRC1	2.134	0
NHLRC2	2.55	2.15
NHN1	3.562	21.44
NHP2L1	1.697	87.66
NHS	8.761	0
NHSL1	10.115	0.5
NIBP	4.472	9.65
NICN1	3.227	3.5
NICN2P	2.322	0.18
NID1	4.89	0.22
NID2	5.046	1.42
NIF3L1	1.591	9.53
NIN	11.646	7.26
NINJ1	1.272	61.46
NINJ2	1.062	4.92
NIP30	2.019	27.24
NIP7	2.184	15.04
NIPA1	6.565	2.46
NIPA2	3.087	26.41
NIPBL	10.126	6.12
NIPSNAP1	2.236	27.8
NIPSNAP3A	1.635	10.41
NIPSNAP3B	1.752	1.69
NISCH	5.386	37.3
NIT1	1.362	18.74
NIT2	0.98	13.5
NKAP	1.575	4.71
NKD1	2.586	0.13
NKD2	1.798	0.33
NKG7	0.826	110.85
NKIRAS1	1.995	1.39
NKIRAS2	3.076	18.98
NKPD1	4.304	25.97
NKRF	3.218	2.78
NKTR	10.3	4.65
NKX1-1	2.94	0
NKX1-2	0.75	0
NKX2-2	2.092	0
NKX2-3	1.98	0
NKX2-5	1.585	0
NKX2-6	0.684	0
NKX2-8	1.803	0
NKX3-1	3.259	0.1
NKX6-1	1.116	0

NKX6-2	0.834	0
NKX6-3	0.551	0
NLE1	3.035	7.05
NLF1	1.406	0
NLF2	1.312	0
NLGN1	4.918	0
NLGN2	4.642	0.38
NLGN3	3.895	0.35
NLGN4X	5.815	3.07
NLGN4Y	5.31	0.19
NLK	4.055	3.68
NLN	2.881	2.34
NLRC3	3.415	1.04
NLRC4	3.363	0.1
NLRC5	6.604	25.64
NLRP1	6.911	6.35
NLRP10	2.02	0
NLRP11	3.422	0
NLRP12	5.522	0.15
NLRP13	3.132	0
NLRP14	3.521	0
NLRP2	3.515	0.07
NLRP2P	3.503	0
NLRP3	4.461	4.04
NLRP3P	1.745	0
NLRP4	3.313	0
NLRP5	3.836	0
NLRP6	2.679	0.19
NLRP7	3.529	0
NLRP8	3.934	0
NLRP9	3.484	0
NLRP9P	3.836	0
NLRX1	3.94	11.44
NMB	1.306	1.22
NMBR	1.354	0
NMD3	2.95	5.8
NME1	1.161	53.98
NME1-NME2	1.052	176.8
NME2	1.496	75.28
NME2P1	0.693	130.55
NME3	1.014	28.08
NME4	1.007	110
NME5	1.226	0
NME6	1.471	6.24
NME7	2.192	1.54
NMI	1.42	13.47
NMNAT1	1.818	3.94
NMNAT2	5.861	0
NMNAT3	1.863	0.14
NMNATP	1.067	0

NMRAL1	1.358	19.48
NMS	0.485	0
NMT1	4.886	30.65
NMT2	2.837	0.65
NMU	0.816	0
NMUR1	3.299	0.03
NMUR2	2.041	0
NNAT	1.304	0.32
NNMT	1.578	0.54
NNT	5.484	13.79
NO145	3.13	0.08
NOB1	1.716	40.26
NOBOX	2.946	0
NOC2L	2.739	25.65
NOC3L	3.436	2.18
NOC4L	1.632	16.05
NOD1	8.722	2.54
NOD2	4.485	0.25
NODAL	2.239	4.33
NOG	1.273	1.66
NOL1	2.837	15.17
NOL10	3.331	6.25
NOL11	2.454	12.32
NOL12	2.84	9.4
NOL14	2.918	18.33
NOL3	1.384	1.16
NOL4	2.621	0
NOL5A	1.937	61.01
NOL6	5.713	5.41
NOL7	1.092	29.7
NOL8	4.281	9.15
NOL9	3.223	4.5
NOLA1	1.303	15.45
NOLA2	1.231	84.99
NOLA2P1	0.758	25.34
NOLA3	0.535	119.19
NOLC1	3.077	29.1
NOM1	12.157	1.31
NOMO1	4.247	3.95
NOMO2	4.566	1.94
NOMO3	4.253	1.86
NONO	2.679	186.01
NOP5/NOP58	1.965	24.69
NOPE	6.485	0.03
NOS1	7.126	0
NOS1AP	2.891	0.06
NOS2A	4.371	21.1
NOS3	8.648	0.37
NOSIP	1.098	44.27
NOSTRIN	1.831	0.65

NOTCH1	9.298	7.09
NOTCH2	11.425	5.45
NOTCH2NL	1.874	4.41
NOTCH3	8.071	6.08
NOTCH4	20.241	0.05
NOTO	0.837	0
NOTUM	2.218	0
NOV	2.369	1.35
NOVA1	4.291	0
NOVA2	1.857	0
NOX1	2.969	0.06
NOX3	2.044	0
NOX4	2.388	0
NOX5	2.582	0
NOXA1	1.633	0.05
NOXO1	1.691	0.15
NP	1.428	76.22
N-PAC	3.713	28.06
NPAL1	2.194	0
NPAL2	2.255	2.87
NPAL3	5.292	6.14
NPAS1	2.043	0.04
NPAS2	4.004	0
NPAS3	3.55	0.03
NPAS4	3.302	0
NPAT	5.87	2.08
NPB	0.378	2.23
NPBWR1	0.987	0
NPBWR2	1.002	0.25
NPC1	0.1	483.51
NPC1L1	10.096	0.03
NPC2	0.897	65.65
NPDC1	3.955	33.97
NPEPL1	2.186	6.9
NPEPPS	4.172	9.49
NPFF	0.592	2.99
NPFFR1	1.292	0
NPFFR2	2.291	0
NPHP1	4.231	0.06
NPHP3	5.37	1.05
NPHP4	5.002	2.8
NPHS1	4.285	0
NPHS2	1.853	0
NIIP	1.07	1.02
NPL	1.552	0.86
NPLOC4	0.1	1095.91
NPM1	1.69	152.42
NPM1P1	0.49	0.17
NPM1P12	2.522	1.07
NPM1P13	2.502	0

NPM1P14	3.188	0.08
NPM1P17	0.914	0
NPM1P18	2.37	0.99
NPM1P19	1.107	0.23
NPM1P20	1.37	0.12
NPM1P3	1.313	2.82
NPM1P5	0.919	1.19
NPM1P6	0.84	0.4
NPM1P9	1.283	0.59
NPM2	1.1	0.15
NPM3	0.865	27.07
NPNT	4.584	0
NPPA	0.84	0.1
NPPB	0.698	0
NPPC	0.381	1.1
NPR1	4.232	29.26
NPR2	3.43	0.61
NPR3	2.646	0
NPSR1	3.648	0.07
NPTN	2.441	13.28
NPTX1	5.437	4.57
NPTX2	5.4	0.02
NPTXR	5.814	0.03
NPVF	2.38	0
NPW	0.829	1.73
NPY	1.102	37.92
NPY1R	2.759	0
NPY2R	3.625	0
NPY5R	1.843	0
NPY6R	1.953	0
NQO1	2.591	0.3
NQO2	0.975	2.24
NR0B1	1.536	0
NR0B2	1.16	0
NR1D1	2.766	2.92
NR1D2	4.331	0.99
NR1H2	2.021	32.6
NR1H3	1.528	4.08
NR1H4	2.143	0
NR1I2	5.247	0.53
NR1I3	1.335	0.7
NR2C1	2.632	4.13
NR2C2	8.33	5.11
NR2E1	3.212	0
NR2E3	2.917	0.03
NR2F1	3.199	0.1
NR2F2	3.019	0.03
NR2F6	1.804	3.46
NR3C1	10.042	12.63
NR3C2	5.744	1.09

NR4A1	4.51	1.57
NR4A2	5.874	1.09
NR4A3	8.363	0.03
NR5A1	3.095	0.03
NR5A2	5.046	5.46
NR6A1	2.392	0.18
NRAP	5.508	0
NRAS	2.479	10.44
NRBF2	1.848	4.33
NRBP1	2.201	26.67
NRBP2	3.491	0.77
NRCAM	13.938	0.03
NRD1	3.821	32.61
NRF1	7.258	4.54
NRG1	7.723	0
NRG2	3.103	0
NRG3	2.091	0
NRG4	0.667	0
NRGN	1.299	0.52
NRIP1	7.292	18.87
NRIP2	2.745	1.2
NRIP3	1.507	0.06
NRK	8.061	0
NRL	2.103	1.24
NRM	4.257	0.06
NRN1	2.402	18.37
NRN1L	0.633	1.06
NRP1	6.378	23.05
NRP2	8.09	1.81
NRSN1	2.345	0
NRSN2	1.974	6.14
NRTN	1.104	0.08
NRXN1	7.286	0
NRXN2	7.393	0.29
NRXN3	7.734	4.11
NSBP1	1.865	7.9
NSD1	9.21	5.83
NSDHL	1.563	8.3
NSF	3.936	7.89
NSFL1C	4.843	10.18
NSL1	1.659	8.53
NSMAF	3.552	5.81
NSMCE1	1.062	70.67
NSMCE2	1.194	9.45
NSMCE4A	1.372	16.21
NSUN2	3.056	18.83
NSUN3	1.435	1.88
NSUN4	4.436	6.06
NSUN5	4.27	5.47
NSUN5B	3.916	2.48

NSUN5C	3.78	1.25
NSUN6	2.2	1.3
NSUN7	3.546	0
NT5C	0.941	29.9
NT5C1A	1.107	0
NT5C1B	2.862	0
NT5C2	3.349	20.55
NT5C3	4.028	1.88
NT5C3L	1.446	17.12
NT5C3P1	1.243	2.77
NT5CP1	0.656	0
NT5CP2	0.658	1.28
NT5DC1	3.129	2.88
NT5DC2	2.057	56.67
NT5DC3	7.568	0.47
NT5E	3.832	12.55
NT5M	1.588	1.38
NTAN1	1.112	11.21
NTF3	1.2	0
NTF5	0.999	0
NTF6A	1.146	0
NTF6B	1.19	0
NTF6G	0.972	0
NTHL1	1.067	28.34
NTN1	1.99	0.51
NTN2L	1.986	0
NTN4	3.615	0
NTNG1	2.932	3.39
NTNG2	2.399	0.49
NTRK1	2.857	0
NTRK2	17.061	0.03
NTRK3	5.095	0
NTS	1.234	0
NTSR1	4.131	4.16
NTSR2	1.703	0
NUAK1	6.821	0
NUAK2	3.401	0.14
NUB1	8.351	14.39
NUBP1	1.213	22.43
NUBP2	1.35	29.83
NUBPL	2.05	1.44
NUCB1	2.25	117.52
NUCB2	1.586	17.16
NUCKS1	3.875	44.46
NUDC	1.327	72.3
NUDCD1	3.918	3.54
NUDCD2	0.948	9.69
NUDCD3	7.106	7.8
NUDCP1	1.29	9.2
NUDCP2	0.95	12.5

NUDT1	2.382	29.45
NUDT10	2.001	0
NUDT11	2.396	0
NUDT12	3.488	0.34
NUDT13	2.104	0.96
NUDT14	0.845	12.86
NUDT15	2.022	3.63
NUDT16	3.274	5.61
NUDT16L1	1.313	27.71
NUDT16P	5.441	0
NUDT17	1.093	1.93
NUDT18	2.251	5.5
NUDT19	1.471	2.52
NUDT2	1.102	5.58
NUDT21	4.407	15.46
NUDT22	1.094	21.86
NUDT3	4.9	29.43
NUDT4	7.924	15.45
NUDT4P1	2.565	26.8
NUDT5	1.83	35.58
NUDT6	1.39	1.45
NUDT8	0.809	4.68
NUDT9	2.035	9.89
NUDT9P1	1.089	0.77
NUF2	2.114	2.63
NUFIP1	3.445	2.06
NUFIP1P	1.679	2.36
NUFIP2	4.999	7.51
NUMA1	7.182	69.57
NUMB	3.644	16.21
NUMBL	3.561	1.39
NUP107	3.124	7.17
NUP133	4.17	9.42
NUP153	5.687	6.86
NUP155	4.613	4.15
NUP160	5.383	7.5
NUP188	5.689	12.78
NUP205	12.474	3.6
NUP210	7.191	8.82
NUP210L	5.151	0.08
NUP214	6.601	10.86
NUP35	2.33	2.03
NUP37	1.208	6.9
NUP43	3.848	6.35
NUP50	5.666	6.58
NUP50P1	1.706	0.2
NUP50P2	1.696	1.15
NUP54	2.354	7.66
NUP62	3.721	31.78
NUP62CL	1.591	0.05

NUP85	2.311	11.99
NUP88	2.358	21.11
NUP93	2.63	20.79
NUP98	7.882	12.2
NUPL1	4.467	4.11
NUPL2	3.514	7.72
NUPR1	0.693	1.22
NUS1	2.619	4.09
NUSAP1	2.75	23.86
NUT	3.795	0
NUTF2	0.886	91.84
NUTF2P2	0.851	12.07
NVL	3.064	6.76
NWD1	8.393	0
NXF1	3.411	37.09
NXF2	2.947	0
NXF3	1.896	0
NXF4	25.344	0
NXF5	2.691	0
NXN	3.004	0.22
NXPH1	5.842	0
NXPH2	0.836	0
NXPH3	1.918	8.74
NXPH4	1.798	0
NXT1	1.117	15.92
NXT2	2.692	1.1
NYD-SP18	3.436	0.08
NYD-SP21	2.795	0.37
NY-REN-7	1.966	0
NY-SAR-48	1.549	3.04
NYX	2.713	0
OAF	1.862	7.6
OAS1	2.564	4.83
OAS2	6.919	11.85
OAS3	6.627	7.88
OASL	2.735	0.19
OAT	1.998	12.73
OATL3	0.46	0
OAZ1	1.146	520.85
OAZ2	1.905	34.18
OAZ3	0.886	0.48
OBFC1	1.42	12.75
OBFC2A	1.865	1.4
OBFC2B	1.301	19.42
OBP2A	0.676	0
OBP2B	0.689	0
OBSCN	20.402	0.32
OBSL1	6.766	0.26
OC90	1.434	0
OCA2	3.136	0.59

OCC-1	1.139	8.51
OCEL1	1.091	5.95
OCIAD1	1.389	32.44
OCIAD2	0.942	5.18
OCLM	0.884	0
OCLN	5.278	0
OCM	1.176	0
OCRL	5.157	2.5
ODAM	0.888	0
ODC1	2.062	17.81
ODF1	0.983	0
ODF2	4.331	23.75
ODF2L	2.53	2.46
ODF3	1.284	0
ODF3L1	1.193	0
ODF4	1.149	0
ODZ1	8.297	0
ODZ2	9.964	0
ODZ3	10.858	0
ODZ4	1.419	0.06
OFCC1	0.958	0
OFD1	3.595	12.37
OFD1P1	3.445	2.35
OFDYP1	13.636	0
OFDYP10	33.304	0
OFDYP11	27.428	0
OFDYP12	11.882	0
OFDYP13	22.432	0
OFDYP14	16.151	0
OFDYP15	18.931	0
OFDYP16	6.826	0
OFDYP2	16.196	0
OFDYP3	5.879	0
OFDYP4	16.21	0
OFDYP5	47.217	0
OFDYP6	64.714	0
OFDYP7	19.22	0
OFDYP8	33.474	0
OFDYP9	33.477	0
OGDH	9.763	9.64
OGDHL	3.682	0
OGFOD1	3.02	11.91
OGFOD2	2.08	5.79
OGFR	2.42	30.5
OGFRL1	1.996	8.18
OGG1	7.329	3.71
OGN	3.209	0
OGT	6.328	32.08
OIP5	2.63	15.09
OIT3	2.361	0

OLAH	2.238	0.08
OLFM1	3.687	0.04
OLFM2	1.861	0.14
OLFM3	3.217	0
OLFM4	2.819	20.89
OLFML1	2.706	0.03
OLFML2A	6.443	42.21
OLFML2B	3.16	1.36
OLFML3	1.814	5.11
OLIG1	2.154	0
OLIG2	2.488	0
OLIG3	2.196	0
OLR1	2.462	0.03
OMA1	1.909	3
OMD	2.255	0
OMG	1.87	0.49
OMP	0.492	0
ONECUT1	1.925	0
ONECUT2	1.656	0
ONECUT3	1.485	0
OPA1	6.029	5.03
OPA3	3.689	2.35
OPCML	6.63	0
OPHN1	7.35	0.6
OPHN1P1	20.054	0
OPLAH	3.92	0.03
OPN1LW	1.223	0
OPN1MW	1.095	0
OPN1MW2	1.223	0
OPN1SW	2.202	0.04
OPN3	4.838	3.48
OPN4	2.341	0.25
OPN5	4.032	0
OPRD1	1.774	0
OPRK1	4.959	0
OPRL1	3.359	3.41
OPRM1	2.948	0
OPRS1	2.809	11.85
OPTC	1.444	0
OPTN	3.608	19.35
OR10A2	0.912	0
OR10A3	0.945	0
OR10A4	0.948	0
OR10A5	0.954	0
OR10A6	0.945	0
OR10A7	0.951	0
OR10AA1P	0.934	0
OR10AB1P	0.938	0
OR10AC1P	2.758	0
OR10AD1	0.954	0.18

OR10AE1P	0.598	0
OR10AE3P	0.469	0
OR10AF1P	0.805	0
OR10AG1	0.906	0
OR10AH1P	1.998	0.04
OR10AK1P	0.415	0
OR10B1P	2.235	0
OR10C1	2.817	0
OR10D1P	0.933	0
OR10D3P	0.936	0
OR10D4P	1.297	0
OR10D5P	0.934	0
OR10G1P	1.142	0
OR10G2	0.933	0
OR10G3	0.942	0
OR10G4	0.936	0
OR10G5P	0.705	0
OR10G6	0.759	0
OR10G7	0.936	0
OR10G8	0.936	0
OR10G9	0.936	0
OR10H1	0.957	0
OR10H2	0.948	0
OR10H3	0.951	0
OR10H4	0.951	0
OR10H5	0.948	0
OR10J1	0.963	0
OR10J2P	0.958	0
OR10J3	0.99	0
OR10J4P	0.932	0
OR10J5	0.93	0
OR10J6P	0.927	0
OR10J7P	0.973	0
OR10J8P	0.926	0
OR10J9P	0.987	0
OR10K1	0.942	0
OR10K2	0.939	0
OR10N1P	0.923	0
OR10P1	0.942	0
OR10Q1	0.96	0
OR10Q2P	0.943	0
OR10R2	1.008	0
OR10R3P	0.939	0
OR10S1	0.996	0
OR10T2	0.945	0
OR10U1P	0.956	0
OR10V1	0.93	0
OR10V2P	0.764	0
OR10V3P	0.725	0
OR10W1	1.469	0

OR10X1	0.981	0
OR10Y1P	0.974	0
OR10Z1	0.942	0
OR11A1	6.687	0
OR11G1P	0.951	0
OR11G2	1.038	0
OR11H1	0.981	0
OR11H12	0.981	0
OR11H13P	0.93	0
OR11H3P	0.947	0
OR11H4	0.975	0
OR11H5P	0.899	0
OR11H6	0.993	0
OR11H7P	0.942	0
OR11H8P	1.381	0
OR11I1P	0.944	0
OR11J1P	0.96	0
OR11J2P	0.946	0
OR11J5P	0.96	0
OR11K1P	0.929	0
OR11K2P	0.948	0
OR11L1	0.969	0
OR11M1P	0.973	0
OR11N1P	0.98	0
OR11P1P	0.374	0
OR11Q1P	0.949	0
OR12D1P	2.796	0
OR12D2	1.848	0
OR12D3	3.738	0
OR13A1	2.078	0
OR13C1P	0.954	0
OR13C2	0.957	0
OR13C3	1.044	0
OR13C4	0.957	0
OR13C5	0.957	0
OR13C6P	0.947	0
OR13C7P	0.956	0
OR13C8	0.963	0
OR13C9	0.957	0
OR13D1	1.041	0
OR13D2P	0.934	0
OR13D3P	0.934	0.18
OR13E1P	0.956	0
OR13F1	0.96	0
OR13G1	0.924	0
OR13H1	0.927	0
OR13I1P	1.265	0
OR13J1	0.939	0
OR13K1P	1.084	0
OR13Z1P	0.893	0

OR13Z2P	0.556	0
OR1A1	0.93	0
OR1A2	0.93	0
OR1AA1P	0.941	0
OR1AB1P	0.739	0
OR1B1	0.957	0
OR1C1	1.143	0
OR1D2	0.939	0
OR1D3P	0.641	0
OR1D4	0.939	0
OR1E1	0.945	0
OR1E2	0.972	0
OR1E3P	0.948	0
OR1F1	0.939	0
OR1F12P	1.414	0
OR1F2	0.985	0.17
OR1G1	0.942	0
OR1H1P	0.934	0
OR1I1	1.068	0
OR1J1	0.969	0
OR1J2	0.942	0
OR1J4	0.942	0
OR1K1	0.951	0.08
OR1L1	1.083	0
OR1L3	0.975	0
OR1L4	0.936	0
OR1L6	1.044	0
OR1L8	0.93	0.09
OR1M1	0.942	0
OR1M4P	0.463	0
OR1N1	0.936	0
OR1N2	0.993	0
OR1P1P	0.993	0
OR1Q1	0.945	0
OR1R1P	1.029	0
OR1S1	0.978	0
OR1S2	0.978	0
OR1X1P	1.245	0
OR1X5P	1.252	0
OR2A1	1.866	0
OR2A12	1.866	0
OR2A13P	2.414	0.03
OR2A14	1.863	0
OR2A15P	1.794	0
OR2A2	1.914	0
OR2A20P	2.063	0
OR2A25	1.866	0
OR2A3P	2.667	0
OR2A4	0.933	0.36
OR2A41P	0.924	0

OR2A42	1.83	0
OR2A5	1.872	0
OR2A7	1.866	0.22
OR2A9P	2.118	2.43
OR2AD1P	2.784	0
OR2AE1	1.944	0.52
OR2AF1P	0.89	0
OR2AG1	0.951	0
OR2AG2	0.951	0
OR2AH1P	0.925	0
OR2AI1P	0.929	0
OR2AJ1	0.943	0
OR2AK2	1.008	0
OR2AL1P	0.737	0
OR2AM1P	0.405	0
OR2AO1P	1.555	0
OR2AP1	0.927	0
OR2AQ1P	0.241	0
OR2AS1P	0.482	0
OR2AS2P	0.35	0
OR2AT1P	0.77	0
OR2AT2P	0.972	0
OR2AT4	0.963	0
OR2B11	0.954	0
OR2B2	1.074	0.08
OR2B3	2.826	0
OR2B4P	1.91	0.35
OR2B6	0.942	1.07
OR2B7P	0.935	0
OR2B8P	0.938	0
OR2BH1P	0.864	0
OR2C1	0.939	0
OR2C3	2.742	0
OR2D2	0.927	0
OR2D3	0.993	0
OR2E1P	0.628	0
OR2F1	2.178	0
OR2F2	1.908	0
OR2G1P	2.973	0
OR2G2	0.954	0
OR2G3	0.93	0
OR2G6	0.951	0
OR2H1	8.988	0
OR2H2	3.189	0
OR2H4P	2.823	0
OR2H5P	1.734	0
OR2I1P	3.177	0
OR2J1	2.808	0
OR2J2	2.817	0
OR2J3	2.808	0

OR2J4P	2.799	0
OR2K2	0.951	0
OR2L13	1.884	0
OR2L1P	0.925	0
OR2L2	1.134	0
OR2L3	0.939	0
OR2L5	0.936	0
OR2L6P	0.936	0
OR2L8	0.939	0
OR2L9P	0.934	0
OR2M1P	0.645	0
OR2M2	1.044	0
OR2M3	0.939	0
OR2M4	0.936	0
OR2M5	0.939	0
OR2M7	0.939	0
OR2N1P	2.841	0
OR2P1P	2.205	0
OR2Q1P	1.856	2.77
OR2R1P	2.7	0
OR2S1P	0.947	0
OR2S2	0.93	0
OR2T1	1.11	0
OR2T10	0.939	0
OR2T11	0.951	0
OR2T12	0.963	0
OR2T2	0.975	0
OR2T27	0.954	0
OR2T29	0.93	0
OR2T3	0.957	0
OR2T32P	0.961	0
OR2T33	0.963	0
OR2T34	0.957	0
OR2T35	0.972	0
OR2T4	1.047	0
OR2T5	0.948	0
OR2T6	0.927	0
OR2T7	0.924	0
OR2T8	0.939	0
OR2U2P	1.914	0
OR2V1	0.945	0
OR2V2	0.948	0
OR2W1	2.949	0
OR2W2P	0.948	0
OR2W3	0.945	0.44
OR2W4P	0.923	0
OR2W5	0.963	0
OR2W6P	0.998	0.25
OR2X1P	0.745	0
OR2Y1	0.936	0

OR2Z1	0.945	0
OR3A1	0.948	0
OR3A2	1.085	0
OR3A3	0.966	0
OR3A4	1.047	0
OR3B1P	0.929	0
OR3D1P	0.936	0
OR4A10P	0.411	0
OR4A11P	0.918	0
OR4A12P	0.945	0
OR4A13P	0.942	0
OR4A14P	0.959	0
OR4A15	1.035	0
OR4A16	0.987	0
OR4A17P	0.904	0
OR4A18P	0.888	0
OR4A19P	0.903	0
OR4A1P	0.909	0
OR4A21P	0.99	0
OR4A2P	0.913	0
OR4A3P	0.871	0
OR4A40P	0.944	0
OR4A41P	0.952	0
OR4A42P	0.934	0
OR4A43P	0.911	0
OR4A44P	0.981	0
OR4A45P	0.916	0
OR4A46P	0.941	0
OR4A47	0.93	0
OR4A48P	0.774	0
OR4A49P	0.432	0
OR4A4P	0.927	0
OR4A5	0.948	0
OR4A50P	0.486	0
OR4A6P	0.97	0
OR4A7P	0.91	0
OR4A8P	0.945	0
OR4A9P	0.944	0
OR4B1	0.93	0
OR4B2P	0.903	0
OR4C10P	0.946	0
OR4C11	0.933	0
OR4C12	0.93	0
OR4C13	0.93	0
OR4C14P	0.923	0
OR4C15	1.113	0
OR4C16	0.933	0
OR4C1P	0.925	0
OR4C2P	1.037	0
OR4C3	0.99	0

OR4C46	0.93	0
OR4C4P	7.15	0
OR4C5	0.792	0
OR4C50P	0.927	0
OR4C6	0.93	0
OR4C7P	0.925	0
OR4C9P	0.925	0
OR4D1	0.933	0
OR4D10	0.936	0
OR4D11	0.936	0
OR4D12P	1.025	0
OR4D2	1.927	0
OR4D5	0.957	0
OR4D6	0.945	0
OR4D7P	1.014	0.17
OR4D8P	0.959	0
OR4D9	0.945	0
OR4E1P	1.147	0
OR4E2	0.942	0
OR4F13P	0.937	0
OR4F14P	0.936	0
OR4F15	0.939	0
OR4F16	1.738	0
OR4F17	0.918	0
OR4F1P	0.935	0
OR4F21	0.939	0
OR4F28P	0.935	0
OR4F29	1.738	0
OR4F4	0.918	0
OR4F5	0.918	0
OR4F6	0.939	0
OR4F7P	0.923	0
OR4F8P	0.935	0
OR4G11P	0.87	0
OR4G1P	0.869	0
OR4G2P	0.576	0
OR4G3P	0.864	0
OR4G4P	0.944	0
OR4G6P	0.944	0
OR4H12P	0.879	0
OR4H6P	0.637	0
OR4K1	0.936	0
OR4K11P	0.955	0
OR4K12P	0.933	0
OR4K13	0.915	0
OR4K14	0.933	0
OR4K15	1.047	0
OR4K16P	1.008	0
OR4K17	1.032	0
OR4K2	0.945	0

OR4K3P	1.347	0
OR4K4P	0.933	0
OR4K5	0.972	0
OR4K6P	0.939	0
OR4K7P	0.873	0
OR4K8P	0.972	0
OR4L1	0.939	0
OR4M1	0.942	0
OR4M2	0.942	0
OR4N1P	0.949	0
OR4N2	0.924	0
OR4N3P	0.924	0
OR4N4	0.951	0
OR4N5	0.927	0
OR4P1P	0.936	0
OR4P4	0.939	0
OR4Q1P	0.981	0
OR4Q2P	0.931	0
OR4Q3	0.942	0
OR4R1P	0.846	0
OR4R2P	0.857	0
OR4R3P	0.838	0
OR4S1	0.93	0
OR4S2	0.936	0
OR4T1P	0.921	0
OR4U1P	0.94	0
OR4V1P	0.94	0
OR4W1P	0.348	0
OR4X1	0.918	0
OR4X2	0.912	0
OR51A10P	0.856	0
OR51A1P	1.066	0
OR51A2	0.942	0
OR51A3P	0.957	0
OR51A4	0.942	0
OR51A5P	0.966	0
OR51A6P	1.019	0
OR51A7	0.939	0
OR51A8P	0.937	0
OR51A9P	0.899	0
OR51B2	0.939	0
OR51B3P	0.949	0
OR51B4	0.933	0
OR51B5	0.939	0
OR51B6	0.939	0
OR51B8P	0.758	0
OR51C1P	0.942	0
OR51C4P	0.948	0
OR51D1	0.975	0
OR51E1	1.35	0

OR51E2	2.781	0
OR51F1	0.939	0
OR51F2	1.029	0
OR51F3P	0.901	0
OR51F4P	0.899	0
OR51F5P	0.942	0
OR51G1	0.966	0
OR51G2	0.945	0
OR51H1P	0.945	0
OR51H2P	0.947	0
OR51I1	0.945	0
OR51I2	0.939	0
OR51J1	0.975	0
OR51K1P	0.947	0
OR51L1	0.948	0
OR51M1	0.981	0
OR51N1P	0.949	0
OR51P1P	0.952	0
OR51Q1	0.954	0
OR51R1P	0.949	0
OR51S1	0.972	0
OR51T1	1.065	0
OR51V1	0.966	0
OR52A1	0.939	0
OR52A4	0.915	0
OR52A5	0.951	0
OR52B1P	0.955	0
OR52B2	0.972	0
OR52B3P	0.943	0
OR52B4	0.945	0
OR52B5P	0.945	0
OR52B6	1.008	0.08
OR52D1	0.957	0
OR52E1P	0.923	0
OR52E2	0.978	0
OR52E3P	0.975	0
OR52E4	0.939	0
OR52E5	0.948	0
OR52E6	0.942	0
OR52E7P	0.929	0
OR52E8	0.954	0
OR52H1	0.963	0
OR52H2P	0.932	0
OR52I1	0.975	0
OR52I2	1.053	0
OR52J1P	0.87	0
OR52J2P	0.963	0
OR52J3	0.936	0
OR52K1	0.945	0
OR52K2	0.945	0

OR52K3P	0.947	0
OR52L1	0.99	0
OR52L2P	0.912	0
OR52M1	0.954	0
OR52M2P	0.98	0
OR52N1	0.963	0
OR52N2	0.966	0
OR52N3P	0.958	0
OR52N4	0.966	0
OR52N5	0.975	0
OR52P1P	0.96	0
OR52P2P	0.897	0
OR52Q1P	0.844	0
OR52R1	1.185	0
OR52S1P	0.955	0
OR52T1P	0.966	0
OR52U1P	0.977	0
OR52V1P	0.904	0
OR52W1	0.963	0
OR52X1P	0.98	0
OR52Y1P	0.494	0
OR52Z1P	0.891	0
OR55B1P	0.98	0
OR56A1	0.957	0
OR56A3	0.721	0
OR56A4	1.098	0
OR56A7P	0.938	0
OR56B1	0.975	0
OR56B2P	0.885	0
OR56B3P	0.944	0
OR56B4	0.96	0.26
OR5A1	0.948	0
OR5A2	0.975	0
OR5AC1P	0.922	0
OR5AC2	0.93	0
OR5AC4P	0.916	0
OR5AH1P	0.369	0
OR5AK1P	0.928	0
OR5AK2	0.93	0
OR5AK3P	0.927	0
OR5AK4P	0.928	0
OR5AL1P	0.985	0
OR5AL2P	0.92	0
OR5AM1P	1.065	0
OR5AN1	0.936	0
OR5AN2P	0.947	0
OR5AO1P	0.331	0
OR5AP1P	0.94	0
OR5AP2	0.951	0
OR5AQ1P	0.936	0

OR5AR1	0.933	0
OR5AS1	0.975	0
OR5AT1	0.93	0
OR5AU1	1.089	0
OR5AV1P	0.879	0
OR5AW1P	0.924	0
OR5AX1	1.345	0
OR5AY1	0.949	0
OR5AZ1P	0.929	0
OR5B10P	0.654	0
OR5B12	0.945	0
OR5B15P	0.916	0
OR5B17	0.945	0
OR5B19P	0.858	0
OR5B1P	0.648	0
OR5B2	0.93	0
OR5B21	0.93	0
OR5B3	0.945	0
OR5BA1P	0.979	0
OR5BB1P	0.939	0
OR5BC1P	0.834	0
OR5BD1P	0.827	0
OR5BE1P	0.936	0
OR5BF1	0.939	0
OR5BH1P	0.909	0
OR5BJ1P	0.904	0
OR5BK1P	0.887	0
OR5BL1P	0.633	0
OR5BM1P	0.926	0
OR5BN1P	0.829	0
OR5BN2P	0.618	0
OR5BP1P	0.434	0
OR5BQ1P	0.336	0
OR5BR1P	1.33	0
OR5BS1P	0.933	0
OR5BT1P	0.955	0
OR5BU1	0.936	0
OR5C1	0.963	0
OR5D13	0.945	0
OR5D14	0.945	0
OR5D15P	0.942	0
OR5D16	0.987	0
OR5D17P	0.978	0
OR5D18	0.942	0
OR5D2P	0.637	0
OR5D3P	0.649	0
OR5E1P	0.933	0
OR5F1	0.945	0
OR5F2P	0.941	0
OR5G1P	0.921	0

OR5G3P	0.968	0
OR5G4P	0.981	0
OR5G5P	0.936	0
OR5H1	0.942	0
OR5H14	0.933	0
OR5H15	0.942	0
OR5H2	0.945	0
OR5H3P	0.916	0
OR5H4P	0.928	0
OR5H5P	0.925	0
OR5H6	0.978	0
OR5H7P	0.927	0
OR5H8P	0.928	0
OR5I1	0.945	0
OR5J1P	0.936	0
OR5J2	0.939	0
OR5J7P	0.422	0
OR5K1	0.952	0
OR5K2	0.951	0
OR5K3	0.966	0
OR5K4	0.966	0
OR5L1	0.936	0
OR5L2	0.936	0
OR5M1	0.948	0
OR5M10	0.948	0
OR5M11	0.918	0
OR5M12P	0.968	0
OR5M13P	0.488	0
OR5M14P	0.354	0
OR5M2P	0.936	0
OR5M3	0.924	0
OR5M4P	0.925	0
OR5M5P	0.936	0
OR5M6P	0.937	0
OR5M7P	0.972	0
OR5M8	0.936	0
OR5M9	0.933	0
OR5P1P	0.922	0
OR5P2	0.969	0
OR5P3	0.936	0
OR5P4P	0.92	0
OR5R1	0.975	0
OR5S1P	0.948	0
OR5T1	0.981	0
OR5T2	1.08	0
OR5T3	1.023	0
OR5U1	1.932	0
OR5V1	2.096	0
OR5W1P	0.803	0
OR5W2	0.933	0

OR6A2	1.384	0
OR6B1	1.872	0
OR6B2	0.939	0
OR6B3	0.996	0
OR6C1	0.939	0
OR6C2	0.939	0
OR6C3	0.936	0
OR6C4	0.93	0
OR6C5P	0.923	0
OR6C6	0.945	0
OR6C64P	0.879	0
OR6C65	0.939	0
OR6C66P	0.933	0
OR6C68	0.954	0
OR6C69P	0.896	0
OR6C70	0.939	0
OR6C71P	0.936	0
OR6C72P	0.934	0
OR6C73P	0.998	0
OR6C74	0.939	0
OR6C75	0.939	0
OR6C76	0.939	0
OR6C7P	0.939	0
OR6D1P	0.813	0
OR6E1P	0.926	0.18
OR6F1	0.927	0
OR6J1	0.888	0
OR6K1P	0.971	0
OR6K2	0.975	0
OR6K3	0.996	0
OR6K4P	0.882	0
OR6K5P	0.848	0
OR6K6	1.032	0
OR6L1P	0.88	0
OR6L2P	0.925	0
OR6M1	0.942	0
OR6M2P	0.946	0
OR6M3P	0.843	0
OR6N1	0.939	0
OR6N2	0.954	0
OR6P1	0.951	0
OR6Q1	0.954	0
OR6R1P	0.929	0
OR6R2P	0.811	0
OR6S1	0.996	0
OR6T1	0.972	0
OR6U2P	0.932	0
OR6V1	1.884	0
OR6W1P	3.004	0
OR6X1	0.939	0

OR6Y1	0.978	0
OR7A10	0.93	0
OR7A11P	0.989	0
OR7A15P	0.649	0
OR7A17	0.93	0
OR7A18P	0.427	0
OR7A19P	0.733	0
OR7A1P	0.946	0
OR7A2P	1.677	0
OR7A3P	0.646	0
OR7A5	2.138	3.35
OR7A8P	0.633	0
OR7C1	0.963	2.8
OR7C2	0.96	0
OR7D1P	0.649	0
OR7D2	3.224	0
OR7D4	0.939	0
OR7E100P	1.015	0
OR7E101P	0.674	0
OR7E102P	0.996	0
OR7E104P	0.746	0
OR7E105P	0.996	0
OR7E106P	0.947	0
OR7E108P	1.024	0
OR7E109P	0.947	0
OR7E10P	0.987	0
OR7E110P	0.596	0
OR7E111P	0.981	0
OR7E115P	0.939	0
OR7E116P	1.026	0
OR7E117P	1.026	0
OR7E11P	0.663	0
OR7E121P	1.023	0
OR7E122P	0.921	0
OR7E125P	0.969	0
OR7E126P	1.419	0.36
OR7E128P	1.032	0.08
OR7E129P	1.025	0
OR7E12P	0.934	0
OR7E130P	0.963	0
OR7E136P	1.934	0
OR7E13P	0.653	0
OR7E140P	0.996	0
OR7E145P	1.026	0
OR7E148P	0.953	0
OR7E149P	0.981	0
OR7E14P	0.652	0
OR7E155P	1.026	0
OR7E156P	7.703	0
OR7E157P	0.969	0

OR7E158P	0.9	0
OR7E159P	0.309	0
OR7E15P	0.656	0
OR7E160P	0.1	0
OR7E161P	0.996	0
OR7E162P	1.035	0
OR7E16P	0.648	0
OR7E18P	0.821	0
OR7E19P	0.977	0
OR7E1P	1.023	0
OR7E21P	1.054	0
OR7E22P	1.026	0
OR7E23P	0.983	0.17
OR7E24	1.017	0
OR7E25P	0.981	0
OR7E26P	0.654	0
OR7E28P	0.947	0
OR7E29P	0.945	0
OR7E2P	0.807	0
OR7E31P	0.657	0
OR7E33P	1.008	0
OR7E35P	0.914	0
OR7E36P	0.995	0.08
OR7E37P	0.664	0.13
OR7E38P	1.973	0.34
OR7E39P	1.944	0
OR7E41P	0.643	0
OR7E43P	0.652	0
OR7E46P	0.945	0
OR7E47P	0.946	0.26
OR7E4P	0.921	0
OR7E53P	0.655	0
OR7E55P	0.951	0
OR7E59P	1.918	0
OR7E5P	0.651	0
OR7E62P	0.646	0
OR7E66P	0.522	0
OR7E7P	2.014	0
OR7E83P	0.965	0
OR7E84P	1.027	0
OR7E85P	1.028	0
OR7E86P	1.023	0
OR7E87P	0.648	0
OR7E89P	0.969	0
OR7E8P	1.026	0
OR7E90P	0.974	0
OR7E91P	7.092	0
OR7E93P	0.971	0
OR7E94P	0.33	0
OR7E96P	0.969	0

OR7E97P	0.971	0
OR7E99P	1.025	0
OR7G1	1.002	0
OR7G15P	0.404	0
OR7G2	1.038	0
OR7G3	0.939	0
OR7H1P	0.937	0
OR7H2P	0.898	0
OR7K1P	1.004	0
OR7L1P	1.083	0
OR7M1P	0.55	0
OR8A1	0.981	0
OR8A2P	0.963	0
OR8A3P	0.379	0
OR8B10P	0.933	0
OR8B12	0.933	0
OR8B1P	0.973	0
OR8B2	0.942	0
OR8B3	0.942	0
OR8B4	0.93	0
OR8B5P	0.803	0
OR8B6P	0.901	0
OR8B7P	0.619	0
OR8B8	0.936	0
OR8B9P	0.485	0
OR8C1P	0.675	0
OR8D1	0.927	0
OR8D2	0.936	0
OR8D4	0.945	0
OR8F1P	0.963	0
OR8G1	0.865	0
OR8G2	0.915	0
OR8G3P	0.465	0
OR8G5	1.041	0
OR8G7P	1.197	0
OR8H1	0.936	0
OR8H2	0.939	0
OR8H3	0.939	0
OR8I1P	0.931	0
OR8I2	0.933	0
OR8I4P	0.141	0
OR8J1	0.951	0
OR8J2P	0.965	0
OR8J3	0.948	0
OR8K1	0.96	0
OR8K2P	0.927	0
OR8K3	0.939	0
OR8K4P	0.872	0
OR8K5	0.924	0
OR8L1P	0.955	0

OR8Q1P	0.657	0
OR8R1P	0.554	0
OR8S1	1.08	0
OR8T1P	0.915	0
OR8U8	0.96	0
OR8V1P	0.921	0
OR8X1P	0.869	0
OR9A1P	1.578	0
OR9A2	1.866	0
OR9A3P	1.92	0
OR9A4	1.89	0.04
OR9G1	0.918	0
OR9G2P	0.988	0
OR9G3P	0.914	0
OR9G4	0.984	0
OR9H1P	0.924	0
OR9I1	0.945	0
OR9I2P	0.486	0
OR9I3P	0.942	0
OR9K1P	0.939	0
OR9K2	1.008	0
OR9L1P	1.257	0
OR9M1P	0.93	0
OR9N1P	1.242	0
OR9P1P	1.412	0
OR9Q1	2.459	0
OR9Q2	0.945	0
OR9R1P	0.954	0
ORAOV1	2.528	3.3
ORC1L	3.157	2.96
ORC2L	3.121	5.83
ORC3L	2.588	2.77
ORC4L	3.056	2.84
ORC5L	4.552	1.89
ORC6L	1.628	1.91
ORM1	0.804	0.52
ORM2	1.068	3.79
ORMDL1	2.016	12.49
ORMDL2	1.244	15.85
ORMDL3	2.109	69.1
OS9	2.942	89.13
OSAP	1.217	0.48
OSBP	5.083	9.4
OSBP2	4.34	1.63
OSBPL10	3.923	11.46
OSBPL11	4.196	3.45
OSBPL1A	5.141	9.52
OSBPL2	4.08	7.68
OSBPL3	13.424	2.07
OSBPL5	3.933	4.65

OSBPL6	4.008	0
OSBPL7	4.226	8.41
OSBPL8	7.48	2.11
OSBPL9	3.615	12.75
OSCAR	3.663	0.12
OSGEP	1.547	26.3
OSGEPL1	1.388	1.39
OSGIN1	3.059	0.03
OSGIN2	4.2	1.58
OSM	1.865	0.86
OSMR	4.458	3.18
OSR1	1.894	0
OSR2	1.736	0.43
OSTalpha	1.717	2.11
OSTbeta	0.454	0
OSTF1	1.025	36.24
OSTF1P	0.751	11.33
OSTM1	4.467	2.81
OSTN	0.402	0
OTC	1.931	0
OTEX	0.755	0.11
OTOA	3.873	0.08
OTOF	8.939	0.03
OTOG	8.775	0
OTOP1	1.869	0
OTOP2	1.778	0.05
OTOP3	1.791	0
OTOR	1.477	0.29
OTOS	0.566	0
OTP	2.678	0
OTUB1	1.729	45.85
OTUB2	3.873	0.08
OTUD1	3.512	3.58
OTUD3	6.621	1.66
OTUD4	7.462	4.44
OTUD5	2.959	30.26
OTUD6A	1.689	0
OTUD6B	3.142	1.39
OTUD7A	3.042	0.16
OTUD7B	3.152	1.52
OTX1	2.176	0
OTX2	2.519	0
OVCH1	3.42	0
OVCH2	1.695	0
OVGP1	2.242	0.23
OVOL1	2.993	0
OVOL2	1.555	0
OVOS2	4.409	0.13
OXA1L	1.78	77.56
OXCT1	3.37	7.45

OXCT2	1.824	0.32
OXCT2P	1.616	0.36
OXER1	1.762	4.02
OXGR1	2.285	0
OXNAD1	3.921	10.59
OXR1	4.393	2.22
OXSM	1.519	3.6
OXSR1	4.523	9.59
OXT	0.512	0.65
OXTR	4.361	0.25
P11	2.321	0.69
P117	0.9	27.05
P15RS	4.268	4.15
P18SRP	2.318	2.73
P2RX1	2.864	16.32
P2RX2	2.586	0
P2RX3	1.349	0
P2RX4	2.028	6.07
P2RX5	2.568	0.82
P2RX7	3.155	0.7
P2RXL1	3.554	0.05
P2RY1	3.11	0.19
P2RY10	1.79	0.14
P2RY11	1.977	11.59
P2RY12	1.704	0
P2RY13	2.94	0.34
P2RY14	2.412	12.19
P2RY2	2.864	0.14
P2RY4	1.639	0
P2RY5	2.087	59.37
P2RY6	3.333	0.88
P2RY8	4.198	47.68
P4HA1	2.814	14.1
P4HA2	2.706	4.45
P4HA3	2.269	0
P4HB	2.422	166.11
P5.8	1.143	0
P5-04	0.113	46.96
P5-05	0.132	0
P5-07	0.587	0
P5-09	0.15	0
P5-11	0.146	0
P518	0.411	0
P53AIP1	2.659	0
P704P	1.236	0
PA2G4	2.111	60.69
PA2G4P	1.201	1.54
PA2G4P2	1.2	5.83
PA2G4P4	2.757	3.85
PA2G4P5	1.175	2.22

PA2G4P6	7.791	0.41
PABPC1	2.86	629.26
PABPC3	2.43	126.28
PABPC4	3.048	47.09
PABPC5	3.447	0
PABPCP1	0.942	6.35
PABPCP3	0.964	57.76
PABPN1	3.937	45.41
PACRG	1.619	0
PACS1	4.488	28.64
PACS2	3.792	17.81
PACSIN1	4.234	9.41
PACSIN2	3.248	51.22
PACSIN3	1.841	9.38
PADI1	2.692	0
PADI2	2.348	0.32
PADI3	3.186	0
PADI4	2.263	1.53
PADI6	2.397	0
PAEP	0.84	0
PAF1	2.816	36.94
PAFAH1B1	5.58	16.86
PAFAH1B2	1.809	13.92
PAFAH1B3	1.003	27.8
PAFAH1P1	2.248	0.68
PAFAH1P2	2.369	0.89
PAFAH2	2.524	1.2
PAG1	10.744	2.46
PAGE1	0.665	0
PAGE2	0.48	0
PAGE2B	0.493	0
PAGE3	0.742	0
PAGE4	0.493	0
PAGE5	0.923	0
PAH	2.681	0
PAICS	3.306	28.69
PAIP1	3.035	4.05
PAIP2	1.655	71.1
PAK1	3.255	26.5
PAK1IP1	1.497	6.36
PAK2	5.793	18.49
PAK3	2.516	0
PAK4	4.366	3.8
PAK6	3.859	0.26
PAK7	4.655	0
PALB2	4.007	2.74
PALLD	5.809	0.72
PALM	2.874	91.18
PALM2	9.363	0
PALM2-AKAP2	9.219	1.85

PALMD	2.577	0.23
PAM	4	1.98
PAMCI	1.56	0
PAN3	4.877	8.38
PANK1	3.561	0.69
PANK2	3.798	6.72
PANK3	3.359	1.93
PANK4	2.642	4.75
PANX1	2.769	1.95
PANX2	2.934	0.03
PANX3	1.6	0
PAOX	2.934	2.33
PAP2D	4.135	0
PAPD1	2.572	3.54
PAPD4	2.76	9.4
PAPD5	7.636	0.71
PAPLN	5.784	0.25
PAPOLA	4.509	30.9
PAPOLB	8.514	0.12
PAPOLG	4.245	2.26
PAPPA	10.97	0.01
PAPPA2	7.57	0
PAPSS1	2.542	10.83
PAPSS2	3.858	0.2
PAQR3	3.821	2.67
PAQR4	2.446	7.5
PAQR5	4.262	0
PAQR6	3.709	2.61
PAQR7	3.023	3.99
PAQR8	4.637	2.87
PAQR9	2.103	0.12
PAR1	0.1	0
PAR4	0.1	0
PAR5	0.1	0
PARC	7.771	5
PARD3	4.071	8.07
PARD3B	4.066	0
PARD6A	2.015	1.72
PARD6B	4.615	0.09
PARD6G	3.124	0.51
PARG	2.614	1.97
PARK2	2.961	0
PARK7	0.879	162.53
PARL	1.412	22.13
PARN	2.992	10.02
PARP1	3.861	149.86
PARP10	3.47	25.56
PARP11	4.486	1.62
PARP12	7.582	2.29
PARP14	6.881	14.33

PARP15	2.135	8.64
PARP16	2.534	5.95
PARP1P1	3.53	14.73
PARP1P2	0.93	5.98
PARP2	1.861	9.87
PARP3	3.026	6.46
PARP4	5.468	10.77
PARP4P	39.973	0.02
PARP6	2.626	14.37
PARP8	2.956	4.27
PARP9	3.233	10.92
PARS2	2.347	1.15
PAR-SN	0.1	0
PART1	2.097	0
PARVA	4.084	0.06
PARVB	1.954	14.14
PARVG	2.931	47.45
PASD1	3.161	0.19
PASK	4.53	3.94
PATE	1.508	0
PATZ1	6.396	15.53
PAWR	1.951	0
PAX1	2.771	0
PAX2	9.124	0
PAX3	8.643	0
PAX4	4.026	0
PAX5	8.81	29.83
PAX6	2.966	0.06
PAX7	2.389	0
PAX8	6.777	0.08
PAX9	1.629	0.05
PAXIP1	7.424	1.97
PB1	7.917	6.65
PBEF1	4.752	1.99
PBK	1.854	2.36
PBLD	2.917	0.75
PBOV1	2.505	0
PBPP1	1.343	0.06
PBX1	1.813	0
PBX2	9.609	0.18
PBX2P1	3.202	4.29
PBX3	2.826	10.73
PBX4	1.438	0.29
PBXIP1	3.199	106.2
PC	4.241	1.25
PC-3	0.68	21.3
PCAF	4.824	1.56
PCBD1	1.006	8.71
PCBD2	2.748	920.31
PCBP1	1.634	232.29

PCBP2	1.888	333.68
PCBP2P1	1.125	10.85
PCBP3	1.988	0
PCBP4	3.366	1.48
PCCA	2.494	9.66
PCCB	1.827	22.68
PCDH1	7.542	0.03
PCDH10	8.475	0
PCDH11X	14.084	0
PCDH11Y	11.256	0
PCDH12	6.193	92.88
PCDH15	7.021	0.01
PCDH17	6.031	0
PCDH18	5.143	0.1
PCDH19	6.495	0
PCDH20	4.404	0
PCDH21	5.325	0.02
PCDH7	12.444	0
PCDH8	6.342	0.94
PCDH9	7.064	17.03
PCDHA@	0.1	0
PCDHA1	9.433	0
PCDHA10	9.388	0
PCDHA11	8.548	0
PCDHA12	7.739	0
PCDHA13	7.687	0
PCDHA14	2.363	0
PCDHA2	8.435	0
PCDHA3	7.735	0.03
PCDHA4	7.749	0
PCDHA5	7.669	0
PCDHA6	9.301	0
PCDHA7	7.591	0
PCDHA8	7.705	0
PCDHA9	11.648	0
PCDHAC1	8.383	0
PCDHAC2	8.086	0
PCDHACT	2.866	0
PCDHB1	2.534	0
PCDHB10	3.262	0
PCDHB11	3.271	0
PCDHB12	3.408	0
PCDHB13	3.485	0.2
PCDHB14	2.783	0.48
PCDHB15	2.656	0.22
PCDHB16	4.817	0
PCDHB17	2.411	0
PCDHB18	3.166	0.08
PCDHB19P	4.632	0
PCDHB2	2.728	0

PCDHB3	3.173	0
PCDHB4	3.621	0
PCDHB5	2.905	0
PCDHB6	3.03	0
PCDHB7	3.715	0
PCDHB8	2.592	0
PCDHB9	4.219	0
PCDHGA1	7.074	1.93
PCDHGA10	7.17	1.96
PCDHGA11	9.609	1.58
PCDHGA12	7.237	3.99
PCDHGA2	7.262	1.78
PCDHGA3	7.095	1.92
PCDHGA4	7.131	1.91
PCDHGA5	7.044	2.12
PCDHGA6	7.062	2.23
PCDHGA7	7.326	1.95
PCDHGA8	8.093	1.5
PCDHGA9	7.092	1.9
PCDHGB1	7.023	2.14
PCDHGB2	7.038	4.09
PCDHGB3	7.041	2.23
PCDHGB4	6.99	2.06
PCDHGB5	7.035	1.93
PCDHGB6	7.062	2.1
PCDHGB7	7.311	2.04
PCDHGB8P	1.973	0.47
PCDHGB9P	2.304	0.03
PCDHGC3	7.435	14.52
PCDHGC4	7.239	1.87
PCDHGC5	7.278	1.84
PCF11	6.457	8.97
PCFT	2.097	0.08
PCGEM1	1.59	0
PCGF1	0.871	11.02
PCGF2	3.335	23.19
PCGF3	5.666	5.13
PCGF5	7.247	1.55
PCGF6	2.23	1.55
PCGF7P	1.916	0.57
PCID1	1.242	74.87
PCID2	1.786	16.46
PCK1	2.688	0.03
PCK2	2.789	5.92
PCLKC	4.095	0.08
PCLO	30.099	0.06
PCM1	6.671	9.53
PCMT1	1.599	18.23
PCMTD1	3.924	5
PCMTD2	3.653	13.33

PCNA	1.558	57.74
PCNAP	0.983	0
PCNAP1	1.748	0.24
PCNP	2.372	21.95
PCNT	10.541	4.36
PCNX	7.69	3.68
PCNXL2	6.089	1.39
PCNXL3	7.207	7.98
PCOLCE	3.016	0.53
PCOLCE2	1.91	0.08
PCOLN3	2.477	30.24
PCOTH	0.804	0
PCP2	0.826	6.83
PCP4	0.556	0
PCP4L1	1.43	0
PCQAP	3.375	24.41
PCQAPP	4.365	0
PCSK1	5.054	0.02
PCSK1N	0.973	0.08
PCSK2	4.745	0
PCSK4	2.661	0.44
PCSK5	3.295	0
PCSK6	8.008	0.31
PCSK7	3.484	21.9
PCSK9	3.636	0
PCTK1	3.548	12.03
PCTK2	4.041	1.33
PCTK3	3.569	3
PCTP	1.933	4.84
PCYOX1	4.225	3.37
PCYOX1L	2.506	8.87
PCYT1A	2.62	9.97
PCYT1B	5.447	0.03
PCYT2	1.85	12.06
PDAP1	4.766	19.24
PDC	1.46	0
PDCD1	2.107	0.24
PDCD10	1.607	3.67
PDCD11	6.416	11.58
PDCD1LG2	1.509	0.45
PDCD2	2.753	15.69
PDCD2L	1.158	7.64
PDCD4	3.76	15.44
PDCD5	0.567	27.48
PDCD6	1.132	73.37
PDCD6IP	6.448	12.44
PDCD7	2.851	8.89
PDCL	2.743	5.22
PDCL2	0.861	0
PDCL3	1.066	10.9

PDDC1	4.363	9.66
PDE10A	4.566	0
PDE11A	4.444	0
PDE1A	2.855	0
PDE1B	3.993	8.34
PDE1C	5.388	0
PDE2A	4.23	0.14
PDE3A	4.287	3.12
PDE3B	4.774	0.07
PDE4A	4.256	0.36
PDE4B	5.326	15.83
PDE4C	3.381	0
PDE4D	5.876	0.44
PDE4DIP	13.021	1.83
PDE5A	7.769	0.08
PDE6A	2.944	0
PDE6B	3.232	0.03
PDE6C	2.968	0.03
PDE6D	1.118	33.23
PDE6G	1.221	7.04
PDE6H	0.725	0
PDE7A	4.354	6.41
PDE7B	5.387	0
PDE8A	4.7	1.36
PDE8B	3.567	0.54
PDE9A	2.636	1.76
PDF	1.356	12.48
PDGFA	4.714	0.95
PDGFB	3.462	0.03
PDGFC	3.007	0.03
PDGFD	4.18	0.02
PDGFRA	6.391	0
PDGFRB	5.714	2.67
PDGFRL	1.502	0
PDHA1	1.472	37.6
PDHA2	1.383	1.4
PDHB	1.501	31.65
PDHX	2.344	3.38
PDIA2	1.658	0.05
PDIA3	3.054	106.96
PDIA3P	2.099	77.33
PDIA4	5.824	28.91
PDIA5	1.679	12.14
PDIA6	2.328	119.45
PDIK1L	4.288	1.1
PDILT	2.127	0
PDK1	4.576	1.86
PDK2	2.29	13.72
PDK3	1.593	1.11
PDK4	7.399	10.79

PDLIM1	1.452	208.67
PDLIM1P	1.072	14.15
PDLIM2	6.143	8.76
PDLIM3	1.706	0
PDLIM4	2.259	0
PDLIM5	7.474	0.1
PDLIM7	2.074	10.77
PDP2	3.83	0.55
PDPK1	7.236	6.8
PDPK2	27.176	0.98
PDPN	3.22	0
PDPR	8.664	5.65
PDRG1	1.373	16.44
PDSS1	1.619	1.2
PDSS2	3.526	2.08
PDX1	1.523	0.06
PDXK	7.373	24.66
PDXP	2.005	20.25
PDYN	2.557	0
PDZD11	1.663	15.09
PDZD2	11.642	0.03
PDZD3	2.204	0.03
PDZD4	3.745	0.25
PDZD7	2.021	0.25
PDZD8	3.837	3.14
PDZK1	2.107	0.08
PDZK1IP1	0.894	0.47
PDZRN3	4.161	0.22
PDZRN4	3.21	0
PEA15	2.469	22.01
PEAR1	4.866	15.58
PEBP1	1.491	210.39
PEBP4	0.883	0.19
PECAM1	3.178	35.67
PECI	1.617	16.21
PECR	1.846	0.04
PEF1	1.61	40.44
PEG10	13.232	0
PEG3	6.371	0.05
PELI1	7.137	0.94
PELI2	5.696	0
PELI3	2.68	2.14
PELO	2.92	1.3
PELP1	3.393	24.05
PEMT	1.504	45.92
PENK	1.196	0
PEO1	3.602	7.81
PEPD	1.889	24.79
PEPP-2	1.297	0
PER1	4.656	8.59

PER2	6.235	2.06
PER3	6.203	0.34
PER4	3.096	0
PERF15	0.399	0
PERLD1	2.687	9.97
PERP	1.945	0.04
PERQ1	12.658	9.24
PES1	2.262	35.38
PET112L	2.011	8.71
PEX1	8.764	1.66
PEX10	3.215	16.45
PEX11A	1.163	0
PEX11B	1.61	22.29
PEX11G	1.062	1.35
PEX12	2.6	0.88
PEX13	1.724	1.81
PEX14	1.908	13.33
PEX16	1.844	12.33
PEX19	3.656	13.99
PEX26	3.319	13.83
PEX3	1.967	4.24
PEX5	3.169	10.15
PEX5L	3.577	0
PEX6	3.27	33.34
PEX7	1.448	1.86
PF4	0.438	0.39
PF4V1	0.741	0
PFAAP5	2.825	15.92
PFAS	5.338	8.89
PFDN1	1.324	36.32
PFDN2	0.642	59.83
PFDN4	1.346	4.25
PFDN5	0.687	347.85
PFDN6	1.782	0
PFKFB1	1.732	0.05
PFKFB2	9.143	0.69
PFKFB3	4.482	2.42
PFKFB4	3.49	0.34
PFKL	3.824	77.45
PFKM	2.747	10.18
PFKP	2.616	51.55
PFN1	0.807	1375.96
PFN2	3.467	5.49
PFN3	0.414	0
PFN4	0.778	0.21
PFTK1	9.908	1.85
pFUSIP1	0.522	0
PGA3	1.937	0
PGA4	2.07	0
PGA5	1.36	0.06

PGAM1	1.72	9.06
PGAM2	1.666	1.77
PGAM3P	0.427	0
PGAM4	1.678	0.05
PGAM5	2.189	20.01
PGAP1	11.113	0.46
PGBD1	3.065	0.91
PGBD2	3.858	1.27
PGBD3	2.172	1.09
PGBD3P1	1.797	0
PGBD3P2	0.614	0
PGBD3P3	1.158	0
PGBD3P4	1.844	0
PGBD4	3.907	0.62
PGBD5	3.444	0
PGC	1.354	0
PGCP	1.898	8.83
PGD	1.937	50.53
PGDS	1.615	0
PGF	1.731	0.48
PGGT1B	1.658	1.72
PGK1	2.32	84.71
PGK1P1	1.77	9.61
PGK1P2	1.527	10.15
PGK2	1.644	0
PGLS	1.249	69.06
PGLYRP1	0.69	12.58
PGLYRP2	2.751	0.15
PGLYRP3	1.173	0
PGLYRP4	1.834	0
PGM1	2.472	7.67
PGM2	3.177	12.28
PGM2L1	8.501	0.55
PGM3	1.994	1.78
PGM5	3.338	7.88
PGM5P1	87.489	0.06
PGM5P2	69.591	0.05
PGPEP1	7.084	0.2
PGR	5	0
PGRMC1	1.864	6.33
PGRMC2	1.853	14.96
PGS1	2.192	13.76
PH-4	4.03	2.8
PHACS	2.128	13.42
PHACTR1	5.237	29.78
PHACTR2	4.318	0.02
PHACTR3	3.119	0
PHACTR4	4.362	7.74
PHB	1.826	58.73
PHB2	1.416	189.65

PHBP1	1.024	0.25
PHC1	5.179	4.13
PHC2	4.375	31.4
PHC3	3.319	5.33
PHCA	3.452	1.15
PHEX	2.861	2.47
PHF1	3.106	15.11
PHF10	2.371	13.36
PHF10P1	1.668	3.99
PHF11	2.024	19.6
PHF12	5.609	10.72
PHF13	3.644	3.03
PHF14	9.16	4.14
PHF15	6.595	23.45
PHF16	4.931	2.82
PHF17	6.307	10.42
PHF19	4.658	14.94
PHF2	5.397	10.02
PHF20	5.515	6.55
PHF20L1	8.056	3.28
PHF21A	3.692	11.55
PHF21B	3.671	0
PHF23	1.971	19.23
PHF3	6.947	7.27
PHF5A	1.065	20.09
PHF5CP	1.274	0.07
PHF5DP	0.94	3.04
PHF5EP	0.93	0
PHF5FP	3.283	0.28
PHF5GP	0.892	0.28
PHF5HP	1.323	0.06
PHF6	8.341	2.23
PHF7	2.276	2.63
PHF8	5.762	8.68
PHGDH	1.913	0.53
PHGDHL1	2.525	15.24
PHIP	6.281	3.5
PHKA1	4.205	0
PHKA2	4.565	6.05
PHKB	4.959	19.59
PHKBP1	0.7	0
PHKBP2	0.527	0
PHKG1	2.862	0.14
PHKG1P1	3.868	0
PHKG1P2	3.314	0
PHKG2	1.578	9.98
PHKGL	2.006	0
PHLDA1	5.913	0.04
PHLDA2	0.92	0.09
PHLDA3	1.516	8.84

PHLDB1	5.695	2.35
PHLDB2	5.474	0.02
PHLDB3	2.286	1.07
PHLPP	4.798	14.01
PHLPPL	7.919	0.6
PHOSPHO1	2.046	1.2
PHOSPHO2	1.125	0.37
PHOX2A	1.683	0.05
PHOX2B	3.029	0
PHPT1	0.906	51.69
PHTF1	2.81	6.08
PHTF2	9.556	1.91
PHYH	2.106	1.44
PHYHD1	1.599	0.48
PHYHIP	2.948	0.08
PHYHIPL	3.103	0
PI15	6.732	0
PI16	2.19	1.39
PI3	0.596	0
PI4K2B	3.458	2.34
PI4KII	4.185	3.28
PIAS1	2.289	9.53
PIAS2	2.457	7.03
PIAS3	2.858	7.28
PIAS4	1.961	10.66
PIB5PA	2.558	2.27
PICALM	3.873	20.73
PICK1	2.624	11.46
PID1	2.745	0.12
PIF1	2.658	1.36
PIGA	6.093	0.32
PIGAP1	3.367	0.08
PIGB	2.134	3.04
PIGC	1.708	15.59
PIGCP1	0.417	1.42
PIGF	1.398	3.61
PIGFP1	0.911	1.76
PIGG	3.197	6.27
PIGH	1.393	3.21
PIGK	1.887	5.49
PIGL	1.123	0.75
PIGM	2.066	2.77
PIGN	4.812	4.36
PIGO	4.366	2.7
PIGP	1.174	6.31
PIGQ	4.148	11.43
PIGR	4.266	0.04
PIGS	2.515	26.26
PIGT	2.228	32.7
PIGU	1.832	13.06

PIGV	2.365	6.45
PIGW	2.255	2.69
PIGX	1.862	2.31
PIGY	1.304	39.79
PIGZ	2.701	1.06
PIH1D1	1.192	33.71
PIH1D2	1.049	0.4
PIK3AP1	4.811	50.71
PIK3C2A	5.061	1.01
PIK3C2B	7.603	10.25
PIK3C2G	4.846	0
PIK3C3	3.069	6.34
PIK3CA	3.712	3.79
PIK3CB	3.213	1.91
PIK3CD	5.203	67.09
PIK3CG	10.758	6.64
PIK3R1	6.933	5.87
PIK3R2	3.938	10.76
PIK3R3	5.609	1.64
PIK3R4	4.987	5.4
PIK3R5	4.093	16.49
PIK4CA	6.75	10.62
PIK4CB	3.471	23.68
PILRA	3.326	0.53
PILRB	10.86	7.4
PIM1	2.645	72.61
PIM2	2.058	61.69
PIM3	2.361	43.46
PIN1	0.997	51.54
PIN1L	1.204	1.12
PIN4	1.071	9.12
PINK1	2.66	10.83
PINX1	1.545	8.07
PIP	1.152	0
PIP3-E	6.687	0.37
PIP5K1A	3.715	18.27
PIP5K1B	4.089	3.09
PIP5K1C	5.047	12.33
PIP5K2A	1.758	1.58
PIP5K2B	5.558	23.28
PIP5K2C	2.924	0.78
PIP5K3	10.547	3.08
PIP5KL1	1.104	0.15
PIPOX	2.412	0
PIR	1.468	0
PISD	2.679	11.32
PITPNA	3.803	16.75
PITPNB	2.925	18.31
PITPNC1	3.068	8.23
PITPNM1	4.189	5.17

PITPNM2	6.736	0.85
PITPNM3	3.111	0
PITRM1	3.456	16.99
PITX1	2.362	0.21
PITX2	3.081	0
PITX3	1.388	0
PIWIL1	3.406	0
PIWIL2	3.611	0.03
PIWIL3	3.504	0
PIWIL4	3.138	0.32
PJA1	6.445	2.6
PJA2	4.754	13.72
PJCG6	0.954	0
PKD1	14.188	3.47
PKD1L1	18.002	0.07
PKD1L2	8.114	0
PKD1L3	5.742	0.31
PKD1P1	24.064	0.1
PKD1P2	21.284	0.03
PKD1P3	24.232	0.31
PKD1P4	18.077	0.03
PKD1P5	27.494	0.13
PKD1P6	29.386	0.24
PKD2	5.056	3.95
PKD2L1	3.051	0
PKD2L2	2.185	0
PKDREJ	7.66	0.29
PKHD1	17.407	0
PKHD1L1	13.083	0
PKIA	2.184	0
PKIB	2.18	0.15
PKIG	1.433	4.23
PKLR	2.558	0.53
PKM2	3.069	280.48
PKMYT1	2.495	6.65
PKN1	3.136	50.47
PKN2	3.254	2.69
PKN3	3.377	16.89
PKNOX1	6.673	2.8
PKNOX2	3.177	0
PKP1	5.443	0
PKP2	4.379	0
PKP2P1	4.585	0.08
PKP3	2.809	0
PKP4	4.591	7.8
PLA1A	1.731	0.05
PLA2G10	0.997	0.08
PLA2G12A	1.659	3.25
PLA2G12B	1.092	0
PLA2G1B	0.565	0.59

PLA2G2A	0.97	0
PLA2G2D	2.63	0.07
PLA2G2E	0.487	0
PLA2G2F	2.716	0
PLA2G3	2.575	0
PLA2G4A	2.855	0.03
PLA2G4B	3.502	8.32
PLA2G4C	2.424	0.87
PLA2G4D	3.584	0
PLA2G4E	2.52	0
PLA2G4F	3.399	0
PLA2G5	1.016	0.58
PLA2G6	3.223	9.04
PLA2G7	1.565	0.16
PLA2R1	5.979	0
PLAA	3.841	1.95
PLAC1	1.126	0
PLAC1L	1.633	0
PLAC2	2.467	0.1
PLAC4	3.029	0
PLAC8	0.739	88.23
PLAC8L1	0.725	0
PLAC9	0.675	0.13
PLAG1	7.302	0.13
PLAGL1	6.085	0.2
PLAGL2	5.641	7.02
PLAT	4.718	0.13
PLAU	2.346	1.4
PLAUR	2.001	11.11
PLB1	5.063	0.02
PLCB1	10.102	0.47
PLCB2	4.52	5.03
PLCB3	3.993	6.56
PLCB4	7.424	0
PLCD1	2.669	2.37
PLCD3	3.424	1.38
PLCD4	3.088	0.47
PLCE1	7.593	0
PLCG1	5.39	4.37
PLCG2	4.245	16.37
PLCH1	6.065	0.02
PLCH2	4.837	0.05
PLCL1	4.559	0
PLCL2	3.94	18.86
PLCXD1	2.085	12.28
PLCXD2	2.063	0.12
PLCXD3	7.541	0
PLCZ1	2.075	0
PLD1	5.479	0.08
PLD2	3.457	1.78

PLD3	2.408	34.81
PLD4	1.934	27.48
PLD5	2.729	0.06
PLDN	3.941	4.93
PLEC1	16.296	3.61
PLEK	2.747	7.61
PLEK2	1.46	0
PLEKHA1	3.796	0.71
PLEKHA2	2.177	17.72
PLEKHA3	2.47	2.15
PLEKHA3P1	1.51	2.12
PLEKHA4	3.056	0.64
PLEKHA5	4.238	2.74
PLEKHA6	7.399	0.03
PLEKHA7	4.801	0.07
PLEKHA8	3.966	0.15
PLEKHA9	1.839	2.16
PLEKHB1	2.38	0.78
PLEKHB2	3.88	13.24
PLEKHC1	3.226	0.63
PLEKHF1	2.084	0.25
PLEKHF2	2.882	8.39
PLEKHG1	7.237	0.81
PLEKHG2	4.706	8.93
PLEKHG3	4.4	4.83
PLEKHG4	6.783	0.22
PLEKHG5	5.691	0.43
PLEKHG6	2.881	0.12
PLEKHH1	6.512	0.02
PLEKHH2	6.946	0
PLEKHH3	2.983	0.79
PLEKHJ1	1.215	39.31
PLEKHK1	6.641	0
PLEKHM1	5.263	9.28
PLEKHM2	4.209	18.92
PLEKHN1	2.404	0
PLEKHO1	1.615	131.91
PLEKHQ1	3.67	5.6
PLG	2.732	0
PLGLA1	1.401	0
PLGLB1	1.535	0.54
PLGLB2	1.56	0.32
PLIN	2.909	0.14
PLK1	2.169	19.73
PLK2	2.786	1.48
PLK3	2.358	7.39
PLK4	3.333	2.57
PLLP	1.482	0
PLN	1.684	0
PLOD1	3.004	13.24

PLOD2	4.06	0
PLOD3	5.954	7.26
PLP1	3.183	0
PLP2	0.929	106.72
PLRG1	1.783	13.14
PLS1	3.639	0.03
PLS3	3.089	0
PLSCR1	2.077	34.35
PLSCR2	1.265	0
PLSCR3	1.746	6.51
PLSCR4	3.207	0.05
PLSCR5	1.058	0
PLTP	1.745	2.9
PLUNC	1.22	0
PLVAP	2.276	510.56
PLXDC1	6.122	0.24
PLXDC2	2.594	0.03
PLXNA1	8.998	1.26
PLXNA2	6.263	0.62
PLXNA3	6.746	1.86
PLXNA4B	4	0
PLXNB1	7.097	0.3
PLXNB2	6.434	61.63
PLXNB3	6.145	0.55
PLXNC1	5.12	0.39
PLXND1	7.094	104.12
PMAIP1	1.89	6.24
PMCH	0.757	0.22
PMCHL1	1.917	0
PMF1	1.082	31.53
PMFBP1	3.395	0.13
PML	11.447	12.62
PMM1	1.203	3.64
PMM2	2.29	8.57
PMP2	3.569	0
PMP22	3.159	0.42
PMP22CD	1.098	0
PMPCA	2.08	24.3
PMPCB	7.838	6.53
PMS1	3.222	4.18
PMS2	5.61	1.86
PMS2CL	36.07	0.2
PMS2L1	3.41	1.58
PMS2L2	2.676	2.55
PMS2L3	3.296	1.74
PMS2L5	1.496	0.06
PMVK	1.28	37.65
PNCK	1.525	0
PNKD	5.374	5.96
PNKP	1.716	12.91

PNLDC1	1.92	0.08
PNLIP	1.498	0
PNLIPRP1	1.48	0
PNLIPRP2	1.455	0
PNLIPRP3	2.353	0
PNMA1	2.643	6.63
PNMA2	4.788	0.02
PNMA3	3.517	0.36
PNMA5	3.194	0.03
PNMA6A	2.209	0
PNMT	1.157	1.39
PNN	2.598	54.18
PNO1	1.978	4
PNOC	1.196	0.21
PNPLA1	2.808	0
PNPLA10P	0.36	0.47
PNPLA2	2.072	27.85
PNPLA3	2.805	0
PNPLA4	2.815	2.6
PNPLA5	2.504	0
PNPLA6	4.432	12.83
PNPLA7	4.581	5.28
PNPLA8	7.064	1.63
PNPO	2.397	12.9
PNPT1	3.273	3.96
PNRC1	2.065	39.69
PNRC2	2.367	9.58
PODN	3.01	0.03
PODNL1	2.164	3
PODXL	11.952	0.12
PODXL2	2.151	1.73
POF1B	3.941	0
POFUT1	6.135	6.33
POFUT2	8.565	1.09
POGK	3.852	9.1
POGZ	7.691	15.27
POL3S	1.662	1.27
POLA1	5.437	4.57
POLA2	2.474	9.77
POLB	1.259	6.82
POLD1	3.443	13.83
POLD2	3.168	31.59
POLD3	3.43	6.87
POLD4	1.123	115.51
POLDIP2	2.683	31.9
POLDIP3	3.435	31
POLE	7.84	15.16
POLE2	1.69	1.1
POLE3	2.185	39.94
POLE4	0.696	28.32

POLG	4.434	20.19
POLG2	1.579	4.64
POLH	3.464	16.95
POLI	2.472	1.46
POLK	4.075	1.63
POLL	2.677	9.66
POLM	5.147	4.79
POLN	2.899	0.08
POLQ	8.756	0.71
POLR1A	6.368	6.2
POLR1B	5.969	4.28
POLR1C	1.439	6.79
POLR1D	0.693	45.58
POLR1E	1.854	6.04
POLR2A	6.732	90.58
POLR2B	3.748	23.17
POLR2C	1.804	50.29
POLR2CP	1.624	1.82
POLR2D	1.907	13.91
POLR2E	1.226	77.99
POLR2F	0.545	52.55
POLR2G	0.827	73.34
POLR2H	0.821	32.42
POLR2I	0.872	37.38
POLR2J	1.954	17.46
POLR2J2	5.362	9.15
POLR2J3	0.696	1.82
POLR2K	0.971	21.86
POLR2L	0.876	129.91
POLR3A	5.946	3.71
POLR3B	4.219	1.36
POLR3C	1.851	12.83
POLR3D	1.929	18.34
POLR3E	2.608	9.76
POLR3F	2.154	3.13
POLR3G	0.996	0.51
POLR3GL	1.165	23
POLR3H	9.088	5.74
POLR3K	0.796	31.85
POLRMT	3.773	11.81
POLS	3.861	3.08
POM121	11.994	3.74
POM121L1	12.011	0.06
POM121L2	2.978	0
POM121L4P	1.284	0
POMC	1.295	0.2
POMGNT1	2.711	20.85
POMP	1.317	26.28
POMT1	7.009	23.59
POMT2	4.866	1.78

POMZP3	3.442	7.57
PON1	4.786	0
PON2	3.49	14.7
PON3	2.382	0.18
POP1	3.244	2.29
POP2	0.294	0
POP4	1.108	16.2
POP5	0.833	32.77
POP7	1.668	8.44
POPDC2	1.646	0.92
POPDC3	1.858	0.04
POR	5.25	7.3
PORCN	2.177	3.02
POSTN	3.213	0
POT1	5.262	2.69
POTE15	2.132	0
POTE2	2.429	0
POTE8	1.976	0
POU1F1	1.262	0
POU2AF1	3.291	66.42
POU2F1	2.689	2.1
POU2F2	4.211	9.2
POU2F3	2.87	0
POU3F1	2.173	0
POU3F2	4.087	0
POU3F3	1.503	0.28
POU3F4	1.475	0
POU4F1	4.104	12.5
POU4F2	3.098	0
POU4F3	1.017	0
POU5F1	5.586	0.15
POU5F1P1	1.08	0
POU6F1	2.911	0.35
POU6F2	4.446	0
PP1P	1.269	8.03
PP8961	0.447	0
PPA1	1.302	24.2
PPA2	1.673	6.95
PPAN	1.662	11.86
PPAP2A	1.778	2.04
PPAP2B	3.795	0.25
PPAP2C	1.791	0.05
PPAPDC1A	1.521	0
PPAPDC1B	1.212	6.53
PPAPDC2	2.965	2.18
PPAPDC3	2.05	0
PPARA	13.437	3.96
PPARBP	7.521	9.16
PPARD	3.734	7.35
PPARG	2.607	0.03

PPARGC1A	6.317	0
PPARGC1B	3.274	0.75
PPAT	3.746	3.31
PPBP	0.701	0.24
PPCDC	2.219	3.19
PPCS	1.431	15.78
PPEF1	2.942	0.06
PPEF2	3.414	0
PPFIA1	5.576	3.78
PPFIA2	4.052	0
PPFIA3	4.721	0.7
PPFIA4	5.045	1.77
PPFIBP1	6.313	3.75
PPFIBP2	3.503	0.14
PPHLN1	4.84	8.32
PPIA	4.995	21.23
PPIAL	0.715	0.7
PPIAL4	0.66	0
PPIAP	0.759	0.11
PPIAP10	0.446	0
PPIAP11	0.746	0.68
PPIAP13	0.852	0.2
PPIAP14	0.818	0.41
PPIAP15	0.8	0.1
PPIAP16	0.867	0.2
PPIAP17	0.786	0
PPIAP2	0.495	0.34
PPIAP3	0.505	0.33
PPIAP4	0.714	0
PPIAP5	0.721	0
PPIAP6	0.843	0.5
PPIAP7	0.87	0
PPIAP9	3.979	0
PPIB	1.028	378.32
PPIC	1.236	1.43
PPID	1.834	11.94
PPIE	1.619	20.03
PPIF	2.201	13.66
PPIG	2.706	19.45
PPIH	0.8	19.38
PPIHP1	0.744	3.85
PPIL1	1.706	11.11
PPIL1P1	2.014	0.13
PPIL2	5.105	12.41
PPIL3	2.06	6.09
PPIL4	2.467	5.29
PPIL5	2.646	3.21
PPIL6	1.072	0.15
PPL	6.238	0.03
PPM1A	3.856	7.16

PPM1B	6.731	5.63
PPM1D	3.163	5.97
PPM1E	6.54	0.13
PPM1F	5.151	42.23
PPM1G	2.36	70.89
PPM1H	6.451	0
PPM1J	1.714	2.36
PPM1K	2.346	6.82
PPM1L	3.056	0.2
PPM1M	2.429	12
PPM2C	4.199	1.1
PPME1	2.453	15.7
PPOX	1.694	6.47
PPP1CA	1.635	139.36
PPP1CB	9.376	6.95
PPP1CC	2.264	37.06
PPP1R10	13.557	0
PPP1R11	4.821	0.02
PPP1R12A	4.944	8.19
PPP1R12B	21.195	0.5
PPP1R12BP	70.856	0.01
PPP1R12C	2.924	22.99
PPP1R13B	4.833	6.53
PPP1R13L	3.093	4.41
PPP1R14A	0.718	0.47
PPP1R14B	0.987	47.2
PPP1R14BP1	0.59	0.71
PPP1R14C	2.131	0
PPP1R14D	0.749	0
PPP1R15A	2.349	128.81
PPP1R15B	5.222	7.26
PPP1R16A	2.274	4.11
PPP1R16B	6.251	16.67
PPP1R1A	1.826	0.04
PPP1R1B	2.869	0.44
PPP1R1C	1.557	0
PPP1R2	3.313	4.73
PPP1R2P1	10.636	0
PPP1R2P2	1.238	0
PPP1R2P3	1.991	1.1
PPP1R2P9	0.87	0
PPP1R3A	13.553	0
PPP1R3B	3.807	2.46
PPP1R3C	2.571	0
PPP1R3D	3.466	0.78
PPP1R3E	6.564	1.18
PPP1R3F	2.941	2.23
PPP1R7	1.293	41.3
PPP1R8	3.672	14.29
PPP1R8P	1.173	2.8

PPP1R9A	19.382	0
PPP1R9B	4.232	49.01
PPP2CA	2.643	35.76
PPP2CB	2.205	10.74
PPP2CBP	1.442	0.88
PPP2R1A	2.323	115.67
PPP2R1B	5.873	2.42
PPP2R2A	2.363	14.26
PPP2R2B	3.558	0.03
PPP2R2C	4.186	1.39
PPP2R2D	2.18	13.03
PPP2R3A	7.205	0.02
PPP2R3B	2.786	7.62
PPP2R3C	1.834	7.16
PPP2R4	3.021	33.1
PPP2R5A	3.128	12.42
PPP2R5B	2.71	2.36
PPP2R5C	4.855	9.8
PPP2R5CP	1.415	5.06
PPP2R5D	3.449	23.37
PPP2R5E	3.366	4.58
PPP3CA	4.401	15.33
PPP3CB	3.068	12.02
PPP3CC	2.189	22.16
PPP3R1	3.011	13.54
PPP3R2	3.387	0
PPP4C	1.33	64.35
PPP4R1	3.834	9.31
PPP4R1L	2.325	0.61
PPP4R2	1.462	3.63
PPP5C	2.062	32.35
PPP6C	1.763	24.7
PPRC1	5.338	7.7
PPT1	2.33	42.69
PPT2	7.518	0
PPTC7	4.056	4.13
PPWD1	2.094	13.27
PPY	0.457	0
PPY2	1.503	0
PPYR1	1.956	0
PQBP1	2.108	40.96
PQLC1	2.441	40.34
PQLC2	2.659	3.1
PQLC3	1.788	4.15
PQWD	1.705	0.3
PRAC	0.384	0
PRAF2	1.263	26.01
PRAM1	2.163	1.05
PRAME	3.143	5.18
PRAMEF1	1.606	0

PRAMEF10	1.518	0
PRAMEF12	1.909	0
PRAMEF13	5.243	0
PRAMEF15	1.863	0
PRAMEF16	1.461	0
PRAMEF19	2.127	0
PRAMEF2	1.642	0
PRAMEF20	1.506	0
PRAMEF21	4.981	0
PRAMEF3	2.104	0
PRAMEF4	1.828	0
PRAMEF5	1.855	0
PRAMEF6	1.431	0
PRAMEF7	1.425	0
PRAMEF8	1.844	0
PRAMEF9	1.874	0
PRAP1	0.71	0.36
PRB1	1.894	0
PRB2	1.26	0
PRB3	1.218	0.07
PRB4	0.915	0
PRC1	4.378	9.42
PRCC	2.123	33.76
PRCP	2.628	8.11
PRDM1	5.319	0.97
PRDM10	6.902	1.14
PRDM11	2.229	0.79
PRDM12	2.492	0
PRDM13	3.234	0
PRDM14	2.209	0
PRDM15	7.827	2.6
PRDM16	8.796	0
PRDM2	9.739	4.18
PRDM4	4.187	3.28
PRDM5	2.48	0.07
PRDM6	2.674	0
PRDM7	2.442	0
PRDM8	3.553	18.33
PRDM9	2.903	0
PRDX1	1.646	368.31
PRDX2	1.465	25.36
PRDX2P1	0.913	0.92
PRDX3	1.812	30.87
PRDX4	0.921	26.98
PRDX5	0.884	93.57
PRDX6	1.67	105.57
PREB	2.165	21.75
PREI3	2.844	4.97
PRELID1	1.191	43.36
PRELID2	2.561	0.69

PRELP	5.994	0.03
PREP	2.849	12.27
PREPL	6.273	3.05
PREX1	6.633	84.37
PRF1	2.491	3.28
PRG2	2.357	0.03
PRG3	0.868	0.29
PRG4	0.1	16
PRH1	0.651	1.29
PRH2	3.28	0.15
PRIC285	10.91	0.77
PRICKLE1	3.293	0.18
PRICKLE2	8.301	0
PRIM1	1.462	5.25
PRIM2A	2.291	2.76
PRIMA1	3.65	0
PRKAA1	5.13	3.37
PRKAA2	2.435	0
PRKAB1	2.401	8.67
PRKAB2	5.423	1.23
PRKACA	2.727	31.91
PRKACB	5.609	5.8
PRKACG	1.558	0.81
PRKAG1	2.861	17.46
PRKAG2	4.361	3.15
PRKAG3	2.299	0
PRKAR1A	3.972	32.24
PRKAR1B	3.857	2.3
PRKAR2A	3.167	5.51
PRKAR2B	7.322	0.36
PRKCA	8.77	21.35
PRKCB1	7.468	38.33
PRKCD	2.835	4.31
PRKCDBP	1.037	0.25
PRKCE	5.52	5.49
PRKCG	3.128	0
PRKCH	3.506	13.03
PRKCI	4.874	2.19
PRKCQ	3.26	0.37
PRKCSH	2.509	130.47
PRKCZ	2.921	0.17
PRKD1	3.68	0
PRKD2	3.491	69.3
PRKD3	5.903	6.24
PRKDC	13.508	11.03
PRKG1	3.737	0
PRKG2	3.328	0.08
PRKRA	1.724	10.06
PRKRIP1	4.346	6.26
PRKRIR	3.19	9.5

PRKX	6.043	3.34
PRKXP1	6.573	0.36
PRKY	7.216	3.83
PRL	1.354	0
PRLH	0.264	0
PRLHR	1.113	0
PRLR	3.145	0
PRM1	0.394	0
PRM2	0.683	0
PRM3	0.474	0
PRMT1	1.517	111.44
PRMT2	2.603	23.3
PRMT3	2.6	2.52
PRMT5	2.671	25.89
PRMT6	2.506	9.18
PRMT7	2.39	20.23
PRMT8	3.108	2.03
PRND	3.98	0
PRNP	2.554	17.95
PRNPIP	1.743	21.94
PRNT	2.333	0
PRO0132	2.136	0
PRO0611	0.57	0
PRO0628	1.175	0.07
PRO1853	3.392	1.39
PRO2266	0.914	4.24
PROC	1.755	0.09
PROCA1	1.247	3.37
PROCR	1.452	2.61
PRODH	2.4	0
PRODH2	1.677	0
PROK1	1.372	0
PROK2	1.404	0
PROKR1	1.182	0
PROKR2	1.255	9.19
PROL1	0.946	0
PROM1	3.794	0.08
PROM2	3.822	0.07
PROP1	1.464	0
PROS1	3.275	0.26
ProSAPiP1	5.247	4.71
PROSC	2.995	11.34
PROSP	33.856	0
PROX1	3.075	0
PROX2	1.779	0.85
PROZ	1.485	0.45
PRPF18	1.705	7.27
PRPF19	2.153	83.33
PRPF3	2.34	12.92
PRPF31	2.128	33.45

PRPF38A	3.342	16.41
PRPF38B	3.238	18.7
PRPF39	3.179	4.79
PRPF4	2.735	14.2
PRPF40A	8.28	6.31
PRPF40B	4.719	5.43
PRPF4B	7.482	6.79
PRPF6	3.101	58.3
PRPF8	7.295	63
PRPH	1.833	0
PRPH2	2.971	0.03
PRPS1	2.051	17.7
PRPS1L1	2.178	0.46
PRPS2	2.702	3.65
PRPSAP1	1.728	19.31
PRPSAP2	1.89	7.27
PRR10	1.768	0
PRR11	1.317	11.38
PRR12	7.396	9.16
PRR13	1.554	74.91
PRR14	2.118	12.76
PRR15	3.355	0.25
PRR16	1.764	0
PRR17	1.466	0.17
PRR3	6.762	0
PRR4	0.507	4.49
PRR5	2.574	2.26
PRR6	1.164	4.63
PRR7	1.478	2.57
PRR8	8.72	2.24
PRRC1	4.644	7.69
PRRG1	4.457	0
PRRG2	1.168	1.08
PRRG3	1.594	0
PRRG4	1.985	0.04
PRRT1	5.688	0.02
PRRT2	2.372	0.14
PRRT3	3.368	1.85
PRRX1	7.424	0.01
PRRX2	1.311	0.07
PRSS1	1.6	0
PRSS12	3.349	0
PRSS16	2.71	0
PRSS2	1.604	0.42
PRSS21	1.565	23.52
PRSS22	1.386	0
PRSS23	3.734	0.14
PRSS27	1.462	0.29
PRSS29P	3.002	0
PRSS3	0.807	0

PRSS33	1.598	0
PRSS35	2.426	0.07
PRSS36	2.809	1.29
PRSS7	3.687	0
PRSS8	1.938	0
PRSSL1	1.089	47.34
PRTFDC1	1.926	0.61
PRTG	4.115	0
PRTN3	1.001	20.45
PRUNE	2.977	9.06
PRUNE2	1.257	0
PRX	9.902	23.7
PRY	1.238	0
PRY2	1.238	0
PS3	1.646	0
PS5	0.923	0
PSAP	2.746	228.51
PSAT1	2.188	1.58
PSCA	1.02	0.33
PSCD1	3.309	46.79
PSCD2	1.534	31.9
PSCD3	8.938	4.59
PSCD4	3.202	32.8
PSCDBP	2.21	2.59
PSD	4.183	0
PSD2	4.51	0.03
PSD3	15.56	3.12
PSD4	5.039	19.49
PSEN1	3.24	14.25
PSEN2	2.314	0.25
PSEENEN	0.665	66.12
PSG1	2.276	0
PSG11	1.995	0
PSG2	1.523	0
PSG3	1.86	0.04
PSG4	2.032	0
PSG5	1.607	0
PSG6	1.849	0
PSG7	1.99	0
PSG8	1.281	0
PSG9	1.701	0
PSIP1	4.016	9.82
PSIP1P	1.637	3.86
psiSSX1	7.44	0
psiSSX10	1.32	0
psiSSX2	2.16	0
psiSSX3	10.44	0
psiSSX4	1.5	0
psiSSX5	6.06	0
psiSSX6	0.1	0

psiSSX7	1.459	0
psiSSX8	2.76	0
psiSSX9	6.18	0
psiTPTE22	48.35	0.48
PSKH1	3.441	14.17
PSKH2	1.158	0
PSMA1	1.56	37.74
PSMA2	2.932	24.27
PSMA3	1.525	15.86
PSMA3P	0.741	2.04
PSMA4	1.174	53.96
PSMA5	0.974	50.77
PSMA6	1.018	208.85
PSMA6P	0.979	110.82
PSMA7	0.984	113
PSMA7P	0.406	1.66
PSMA8	1.967	0
psMAGEA	5.114	0
PSMAL	1.974	0
PSMB1	0.882	91.39
PSMB10	0.979	107.21
PSMB2	0.845	75.37
PSMB3	0.754	89.04
PSMB3P	0.581	6.82
PSMB4	0.925	167.29
PSMB5	1.049	42.64
PSMB6	0.826	74.55
PSMB7	3.966	32.65
PSMB8	5.319	0.03
PSMB9	3.236	0.03
PSMC1	1.586	3.08
PSMC1P	1.558	9.95
PSMC2	3.054	12.44
PSMC3	1.545	63.13
PSMC3IP	2.248	2.36
PSMC3P	1.305	17.43
PSMC4	1.529	30.58
PSMC5	1.32	83.53
PSMC6	1.571	8.53
PSMC6P	1.536	8.56
PSMD1	3.227	19.78
PSMD10	2.555	14.05
PSMD10P	0.669	0.38
PSMD11	1.863	17
PSMD12	3.592	4.65
PSMD13	2.008	41.32
PSMD14	1.261	20.38
PSMD15	1.563	3.23
PSMD2	2.922	48.58
PSMD3	2.147	77.92

PSMD4	2.075	48.15
PSMD4P2	3.406	10.37
PSMD5	3.387	5.07
PSMD6	1.308	43.86
PSMD7	1.662	32.28
PSMD8	1.508	70.49
PSMD9	2.343	21.89
PSME1	1.489	106.69
PSME2	0.829	73.36
PSME2P	0.78	16.74
PSME3	3.281	39.82
PSME4	6.605	4.84
PSMF1	5.855	25.14
PSORS1C1	2.581	0
PSORS1C2	3.428	0
PSPC1	1.709	22.18
PSPH	4.236	3.54
PSPN	0.471	0.71
PSRC1	3.168	3.19
PSTPIP1	1.766	4.58
PSTPIP2	3.002	18.77
PTAFR	1.822	0.32
PTAR1	1.413	1.25
PTBP1	3.319	87.21
PTBP1P	0.652	8.79
PTBP2	3.027	1.73
PTCD1	6.158	2.9
PTCD2	2.177	1.39
PTCD3	6.701	4.75
PTCH1	6.82	0.57
PTCH2	3.624	0.28
PTCHD1	2.682	0
PTCHD2	5.655	0.57
PTCHD3	2.368	0
PTCRA	1.08	0.15
PTDSS1	2.504	45.75
PTDSS2	2.445	10.51
PTEN	4.256	28.6
PTENP1	1.212	15.29
PTER	3.872	1.8
PTF1A	0.987	0
PTGDR	3.196	6.38
PTGDS	0.812	0.93
PTGER1	1.421	0
PTGER2	2.383	6.22
PTGER3	10.994	0.01
PTGER4	3.416	0.25
PTGES	1.79	0
PTGES2	3.167	11.94
PTGES3	1.718	59.67

PTGFR	9.727	0
PTGFRN	6.16	1.56
PTGIR	2.086	21.04
PTGIS	5.603	6.45
PTGS1	5.269	2.09
PTGS2	4.465	0
PTH	0.814	0
PTHLH	3.062	0.14
PTHR1	2.128	0.04
PTHR2	2.713	0
PTK2	4.758	11.95
PTK2B	4.86	81.29
PTK6	2.519	0
PTK7	4.36	14.18
PTK9P	2.954	0.91
PTMA	1.202	508.22
PTMAP1	2.583	0
PTMAP2	1.514	2.39
PTMAP3	1.392	2.48
PTMAP4	1.286	1.96
PTMAP6	0.17	0.49
PTMAP7	1.06	108.79
PTMS	1.15	39.99
PTN	3.098	0
PTOV1	1.587	52.18
PTP4A1	5.082	11.14
PTP4A2	4.015	32.52
PTP4A3	2.813	80.22
PTP4AP1	1.082	3.82
PTP4AP2	1.395	1.02
PTPDC1	4.82	0.89
PTPLA	1.307	15.59
PTPLAD1	2.915	23.21
PTPLAD2	4.081	5.74
PTPLB	4.261	8.22
PTPN1	3.318	23.51
PTPN11	6.283	12.87
PTPN12	6.851	8.49
PTPN13	8.266	0
PTPN14	6.4	9.24
PTPN18	2.793	76.49
PTPN2	3.278	7.27
PTPN20A	4.849	0
PTPN20B	2.478	0
PTPN20C	106.807	0
PTPN21	4.223	0
PTPN22	3.867	0.82
PTPN23	5.222	11.94
PTPN3	4.084	3.54
PTPN4	3.943	0.64

PTPN5	3.215	0
PTPN6	2.4	46.19
PTPN7	3.516	28.92
PTPN9	3.938	13.32
PTPNS1L	2.487	1.36
PTPRA	3.942	27.75
PTPRB	6.329	0
PTPRC	5.887	9.87
PTPRCAP	0.907	430
PTPRD	6.252	0
PTPRE	5.491	10.44
PTPRF	7.697	6.54
PTPRG	5.771	3.66
PTPRH	3.895	0.04
PTPRJ	5.884	4.52
PTPRK	5.983	0
PTPRM	5.053	0.08
PTPRN	3.632	0
PTPRN2	9.512	0.19
PTPRO	8.003	0.22
PTPRQ	10.103	0
PTPRR	3.887	0
PTPRS	6.501	0.03
PTPRT	12.703	0
PTPRU	5.783	0.04
PTPRV	25.302	0.03
PTPRZ1	16.315	0
PTRF	3.562	0.43
PTRH1	0.815	7.34
PTRH2	2.117	5.53
PTS	0.921	4.48
PTS-P1	0.566	0
PTTG1	0.712	38.33
PTTG1IP	2.736	33.96
PTTG2	0.576	1.61
PTTG3	0.609	5.81
PTTG4P	0.48	0
PTX3	1.871	0.49
PUM1	5.514	11.72
PUM2	6.111	13.75
PUNC	3.103	0
PURA	2.614	2.45
PURB	18.142	1.96
PURG	4.651	0
PUS1	2.563	24.25
PUS3	1.833	3.99
PUS7	6.968	1.32
PUS7L	3.943	1.16
PUSL1	1.24	4.08
PVALB	0.572	0.44

RAB10	3.495	18.58
RAB11A	2.627	40.5
RAB11B	1.546	74.65
RAB11FIP1	12.068	1.48
RAB11FIP2	6.059	1.03
RAB11FIP3	4.252	6.04
RAB11FIP4	8.625	0.44
RAB11FIP5	4.34	11.74
RAB12	5.068	0.33
RAB13	1.154	130.59
RAB14	4.089	18.02
RAB15	3.312	58.6
RAB17	1.98	0.85
RAB18	2.79	4.96
RAB19B	1.59	0.31
RAB1A	3.772	21.55
RAB1B	1.906	84.41
RAB1C	0.606	29.19
RAB20	1.509	10.38
RAB21	2.627	8.31
RAB22A	8.651	2.06
RAB23	3.153	0.91
RAB24	4.108	20.36
RAB25	1.022	0
RAB26	1.624	0.26
RAB27A	3.294	4.73
RAB27B	1.336	0.06
RAB28	1.847	3.38
RAB2A	1.148	22.75
RAB2B	2.308	7.48
RAB30	1.602	0.74
RAB31	3.952	2.77
RAB32	1.206	0.56
RAB33A	1.108	0
RAB33B	3.869	1.13
RAB34	1.74	42.56
RAB35	2.897	25.24
RAB36	3.822	0.35
RAB37	4.214	9.8
RAB38	1.408	0.12
RAB39	1.782	0.14
RAB39B	3.483	0.92
RAB3A	1.466	1.95
RAB3B	1.552	0.38
RAB3C	1.009	0
RAB3D	1.879	1.79
RAB3GAP1	4.361	12.15
RAB3GAP2	5.121	2.52
RAB3IL1	2.284	2.47
RAB3IP	18.29	0.04

RAB40A	1.346	0
RAB40B	1.668	1.77
RAB40C	2.612	7.61
RAB41	1.028	0
RAB42	1.093	0
RAB43	4.447	18.24
RAB43P	1.187	7.24
RAB4A	1.843	10.74
RAB4B	1.14	50.91
RAB5A	2.339	9.44
RAB5B	3.742	55.58
RAB5C	1.772	111.38
RAB6A	3.514	9.64
RAB6B	5.222	0.4
RAB6IP1	4.965	15.95
RAB7A	2.232	84.8
RAB7L1	2.444	5.48
RAB8A	2.177	54.68
RAB8B	4.877	2.46
RAB9A	1.081	15.35
RAB9B	1.049	0.72
RAB9P1	0.625	0
RABAC1	0.751	77.73
RABEP1	5.367	10.66
RABEP2	2.643	19.86
RABEPK	1.437	13.07
RABGAP1	4.849	6.69
RABGAP1L	3.31	5.63
RABGEF1	7.466	2.6
RABGGTA	2.368	10.74
RABGGTB	1.496	8.22
RABIF	2.43	4.61
RABL2A	2.312	5.58
RABL2B	2.338	6.59
RABL3	3.337	3
RABL4	1.021	11.88
RABL5	4.728	2.6
RAC1	6.342	22.9
RAC1P1	0.888	0
RAC1P2	0.938	54.87
RAC1P3	1.661	0.1
RAC1P4	0.985	0.6
RAC1P5	0.775	0
RAC2	1.468	135.65
RAC3	1.06	3.02
RACGAP1	3.229	12.47
RACGAP1P	2.794	0.94
RAD1	5.025	2.06
RAD17	7.912	1.4
RAD17P1	5.092	0.05

RAD17P2	2.958	0.06
RAD18	3.046	3.02
RAD21	3.645	34.92
RAD23A	1.793	65.91
RAD23B	4.13	21.74
RAD50	6.658	3.21
RAD51	2.407	3.88
RAD51AP1	2.113	3.59
RAD51AP2	3.701	0
RAD51C	1.686	7.34
RAD51L1	3.717	1.16
RAD51L3	2.384	3.6
RAD52	3.37	7.18
RAD54B	3.041	0.81
RAD54L	3.096	4
RAD54L2	5.181	4.52
RAD9A	2.122	8.65
RAD9B	2.879	0.14
RAE1	2.17	12.85
RAET1E	0.885	0
RAET1F	0.463	0
RAET1G	0.939	0
RAET1L	0.741	0.11
RAF1	3.245	20.9
RAF1P1	1.734	0
RAG1	6.571	34.66
RAG1AP1	1.298	28.42
RAG2	2.388	7.72
RAGE	1.934	0.57
RAI1	7.662	2.23
RAI14	4.901	16.98
RAI16	3.731	8.26
RAI2	2.337	0
RALA	5.592	4.22
RALB	2.261	43.81
RALBP1	4.354	25.75
RALGDS	3.632	20.32
RALGPS1	6.336	0.31
RALGPS2	3.504	0.55
RALY	1.575	129
RAMP1	0.91	0.19
RAMP2	0.78	0.43
RAMP3	2.624	0.07
RAN	1.657	74.68
RANBP1	0.884	39.93
RANBP10	5.305	8.23
RANBP17	4.44	0
RANBP2	10.695	4.81
RANBP20P	2.337	1.73
RANBP3	4.263	15.33

RANBP3L	2.536	2.99
RANBP5	6.002	22.99
RANBP6	4.6	3.84
RANBP9	3.113	15.04
RANGAP1	3.021	35.02
RANGNRF	0.988	17.31
RANP1	3.15	0
RAP1A	1.906	11.23
RAP1AP	1.22	5.45
RAP1B	2.279	34.45
RAP1GAP	3.27	1.05
RAP1GDS1	2.47	7.47
RAP2A	4.351	3.91
RAP2B	6.237	3.7
RAP2C	3.933	2.35
RAPGEF1	6.308	12.64
RAPGEF2	9.058	1.86
RAPGEF3	3.312	8.24
RAPGEF4	4.261	0.89
RAPGEF5	6.305	3.04
RAPGEF6	6.37	1.33
RAPGEFL1	3.356	0.73
RAPH1	10.748	0.05
RAPSN	1.664	0.36
RARA	5.115	11.81
RARB	3.54	0.17
RARG	2.9	6.97
RARRES1	1.803	0
RARRES2	1.346	0.56
RARRES3	0.758	8.12
RARS	2.14	11.38
RARS2	1.813	6.65
RASA1	4.402	4.23
RASA2	2.592	1.85
RASA3	4.2	10.37
RASA4	11.152	0.36
RASAL1	3.124	0.21
RASAL2	5.545	3.6
RASD1	1.746	64.6
RASD2	2.973	2.15
RASEF	2.761	1
RASGEF1A	3.235	0.44
RASGEF1B	2.269	0.08
RASGEF1C	3.484	0
RASGRF1	5.34	0.02
RASGRF2	4.078	0
RASGRP1	4.948	0.29
RASGRP2	3.803	94.18
RASGRP3	4.554	10.1
RASGRP4	3.606	0.21

RASIP1	3.302	16.4
RASL10A	2.548	2.31
RASL10B	3.115	0.25
RASL11A	1.543	0.43
RASL11B	1.957	0
RASL12	2.578	0.13
RASSF1	4.123	9.09
RASSF2	9.698	5.64
RASSF3	2.629	17.85
RASSF4	2.495	3.99
RASSF5	8.573	7.86
RASSF6	4.552	0
RASSF7	1.53	10.57
RASSF8	2.32	3.56
RAVER1	3.388	40.23
RAVER2	5.593	16.73
RAX	1.712	0
RAXL1	2.414	0
RB1	4.74	13.45
RB1CC1	6.633	2.54
RBAK	8.458	0.51
RBBP4	2.31	52.36
RBBP5	3.683	3.29
RBBP6	7.294	9.36
RBBP7	2.155	29.94
RBBP8	4.102	3.96
RBBP9	3.861	2.16
RBCK1	3.383	20.82
RBED1	2.675	4.28
RBJ	4.853	0.35
RBKS	1.196	1.2
RBL1	4.563	1.16
RBL2	4.837	13.61
RBM10	3.756	29.33
RBM11	1.952	0.04
RBM12	7.802	12.64
RBM12B	4.708	3.37
RBM13	3.54	4.31
RBM14	2.78	41.03
RBM15	3.431	2.16
RBM15B	7.234	16.38
RBM16	5.004	13.47
RBM17	2.698	34.47
RBM18	1.066	7.5
RBM19	4.134	5.22
RBM20	7.108	0.08
RBM22	2.297	26.29
RBM23	2.413	35.36
RBM24	2.37	0
RBM25	4.172	16.55

RBM26	3.624	10.09
RBM28	5.616	2.8
RBM3	2.606	34.26
RBM33	14.11	3.15
RBM34	1.402	17.12
RBM35A	4.598	0
RBM35B	4.684	11.36
RBM38	4.172	49.95
RBM39	3.415	43.44
RBM4	1.644	81.93
RBM41	1.662	1.32
RBM43	2.72	0.78
RBM4B	1.723	8.75
RBM5	3.1	35.22
RBM6	3.621	27.97
RBM7	1.917	3.69
RBM8A	2.787	29.01
RBM8B	2.787	15.32
RBM9	2.632	1.5
RBMS1	3.37	1.68
RBMS1P	1.394	4.72
RBMS2	1.997	2.82
RBMS3	3.218	0.94
RBMX	3.182	48.36
RBMX2	1.775	14.1
RBMXL1	3.877	5.82
RBMXP1	1.884	0.63
RBMXP2	1.853	2.78
RBMY1A1	2.276	0
RBMY1A3P	6.241	0
RBMY1B	1.887	0
RBMY1D	1.881	0
RBMY1E	1.881	0
RBMY1F	1.881	0
RBMY1H	8.919	0
RBMY1J	1.88	0
RBMY2AP	12.125	0
RBMY2BP	8.063	0
RBMY2CP	12.13	0
RBMY2DP	12.13	0
RBMY2EP	6.949	0
RBMY2GP	15.396	0
RBMY2HP	6.511	0
RBMY2JP	17.507	0.01
RBMY2KP	14.971	0
RBMY2MP	12.127	0
RBMY2NP	4.623	0
RBMY2OP	8.297	0
RBMY2QP	13.075	0
RBMY2SP	8.275	0

RBMY2TP	7.024	0
RBMY2UP	3.556	0
RBMY2VP	6.531	0
RBMY2WP	7.567	0
RBMY2XP	7.557	0
RBMY2YP	7.566	0
RBMY3AP	4.75	0
RBP1	0.713	0.12
RBP2	0.688	0
RBP3	4.276	0
RBP4	0.929	0.18
RBP5	0.94	0.54
RBP7	0.636	0.26
RBPJ	3.884	9.42
RBPJL	2.491	0
RBPJP1	1.118	0
RBPMS	3.534	4.32
RBPMS2	1.996	0.34
RBX1	0.521	29.11
RC3H1	5.431	1.15
RC3H2	3.139	4.67
RC74	2.54	11.91
RCBTB1	4.033	17.32
RCBTB2	3.175	10.32
RCC1	2.706	39.69
RCC2	4.064	46.74
RCCD1	2.767	7.06
RCE1	1.78	9.98
RCHY1	7.968	0.93
RCL1	2.063	9.76
RCN1	2.107	15.36
RCN2	1.705	18.87
RCN3	1.854	14.91
RCOR1	2.889	8.25
RCOR2	3.984	9.33
RCOR3	4.359	4.73
RCP9	2.382	4.88
RCS1	6.79	69.21
RCVRN	1.175	0
RD3	3.349	0
RDBP	4.682	0
RDH10	2.736	0.28
RDH11	2.518	29.84
RDH12	1.724	0.44
RDH13	1.991	2.58
RDH14	1.538	5.04
RDH16	2.405	0.35
RDH5	1.23	0.96
RDH8	1.714	0
RDHE2	3.039	0

RDM1	1.364	0.68
RDX	4.49	4.45
RDXP2	2.719	0.19
REC8L1	2.229	8.77
RECK	4.412	3.42
RECQL	3.122	5.37
RECQL4	3.628	3.9
RECQL5	8.009	3.53
REEP1	3.851	0.04
REEP2	2.099	0.04
REEP3	2.294	4.11
REEP4	1.694	12.98
REEP5	2.997	15.63
REEP6	1.373	0.55
REG1A	0.808	0
REG1B	0.773	0
REG3A	1.073	0
REG3G	0.953	0
REG4	1.276	0
REGL	2.925	0
REL	2.592	0.94
RELA	2.407	40.32
RELB	2.27	3.23
RELN	23.128	0.04
REM1	1.656	0
REM2	1.85	0
REN	1.461	0
RENBP	1.47	13.41
REP15	1.139	0.3
REPIN1	9.602	22.44
REPS1	3.548	32.24
REPS2	2.285	0
RER1	1.404	30.78
RERE	8.026	18.54
RERG	2.217	0
RESP18	0.669	0
REST	3.969	4.84
RET	5.687	0.08
RETN	0.478	12.69
RETNLB	1.246	0
RETSAT	3.001	19.51
REV1	4.84	4.84
REV3L	10.92	1.46
REXO1	4.577	10.21
REXO1L1	6.598	0
REXO1L2P	1.786	0
REXO1L3P	2.062	0
REXO1L5P	2.062	0
REXO1L6P	2.062	0
REXO1L7P	1.78	0

REXO2	1.092	13.96
REXO4	2.36	20.81
RFC1	4.883	7.5
RFC2	3.388	9.08
RFC3	2.941	2.55
RFC4	1.571	11.74
RFC5	2.791	6.79
RFESD	2.696	0.75
RFFL	4.292	1.38
RFK	2.683	1.48
RFNG	1.828	13.78
RFPL1	1.496	0
RFPL1S	5.113	0
RFPL2	1.492	0.06
RFPL3	1.488	0
RFPL3S	2.314	0.08
RFPL4A	1.035	0
RFPL4B	1.9	0
RFT1	2.782	7.24
RFTN1	3.569	114.12
RFTN2	3.112	0.03
RFWD2	2.839	8.24
RFWD3	4.952	7.42
RFX1	4.33	6.59
RFX2	4.002	0.42
RFX3	4.108	0.35
RFX4	4.569	0
RFX5	4.278	52.95
RFXANK	1.519	25.56
RFXAP	2.825	2.51
RFXDC1	3.496	0
RFXDC2	6.996	4.08
RG9MTD1	1.611	5.7
RG9MTD2	3.697	0.96
RG9MTD3	1.828	0.92
RGAG1	5.425	0
RGAG4	4.336	0.06
RGC32	0.872	19.8
RGL1	5.113	14.18
RGL2	8.73	0
RGL3	2.26	0
RGMA	3.216	0.15
RGMB	6.501	0.03
RGN	2.235	0
RGNEF	7.135	0
RGPD2	8.678	0
RGPD3	9.747	0.03
RGPD5	7.867	0
RGPD6	13.003	0
RGPD8	9.808	0.01

Rgr	2.885	3.12
RGS1	1.403	1.02
RGS10	0.974	41.69
RGS11	2.442	0.07
RGS12	7.568	5.32
RGS13	1.498	0
RGS14	2.406	12.36
RGS16	2.427	2.78
RGS17	1.472	0.11
RGS18	2.145	0.08
RGS19	1.692	57.85
RGS2	1.344	1
RGS20	2.184	0.85
RGS21	1.794	0
RGS22	4.184	0
RGS3	6.517	0.55
RGS4	2.772	0
RGS5	5.833	0.16
RGS6	3.105	0.05
RGS7	2.386	0
RGS7BP	3.821	0
RGS8	0.783	0
RGS9	2.235	0.19
RGS9BP	3.121	0
RGSL1	2.06	0.04
RGSL2	2.009	0
RH_II/GuBp2	5.515	0
RHAG	1.895	2.35
RHBDD1	2.74	5.75
RHBDD2	3.646	8.73
RHBDD3	1.738	7.66
RHBDF1	2.954	0.23
RHBDF2	3.726	7.35
RHBDL1	1.559	0.43
RHBDL2	1.837	0.04
RHBDL3	4.661	0.05
RHBG	1.79	0
RHCE	1.997	0.51
RHCG	1.937	0
RHD	2.833	0.41
RHEB	2.754	3.82
RHEBL1	1.177	1.65
RHEBP1	1.351	2.43
RH-II/GuBp1	2.71	1.18
RHO	2.768	0
RHOA	1.922	477.59
RHOB	2.367	40.96
RHOBTB1	4.671	0.05
RHOBTB2	5.077	5.89
RHOBTB3	4.124	2.17

RHOC	1.088	123.57
RHOD	1.097	0
RHOF	2.435	13.84
RHOG	1.286	68.77
RHOH	1.498	17.32
RHOJ	1.905	0.08
RHOQ	2.127	1.27
RHOQP	0.641	0.26
RHOT1	5.537	6.07
RHOT2	2.489	24.57
RHOU	4.322	3.08
RHOV	1.167	1.16
RHPN1	2.241	9.32
RHPN2	3.501	0.19
RIBC1	3.077	0.22
RIBC2	1.396	2.47
RIC3	2.893	0.03
RIC8A	2.702	34.51
RIC8B	3.389	1.67
RICS	6.48	0
RICTOR	9.535	0.71
RIF1	8.383	1.75
RILP	1.792	7.43
RIMBP2	6.321	0
RIMKLP	1.84	1.65
RIMS1	5.079	0
RIMS2	4.449	0
RIMS3	7.233	7.98
RIMS4	5.136	0
RIN1	2.684	4.89
RIN2	4.244	1.89
RIN3	3.849	4.14
RING1	5.214	0.13
RINT1	5.952	1.46
RIOK1	2.728	7.72
RIOK2	1.832	6.02
RIOK3	5.659	5.97
RIPK1	3.864	6.21
RIPK2	2.585	4.17
RIPK3	1.921	3.33
RIPK4	3.872	0.13
RIPK5	7.87	0.41
RIT1	3.425	5.86
RIT2	1.093	0
RKHD1	2.132	2.92
RKHD2	3.473	6.24
RKHD3	3.398	0.4
RLBP1	1.752	0
RLF	6.228	1.83
RLN1	0.967	0

RLN2	1.466	0
RLN3	0.452	0
RLTPR	4.479	10.3
RMI1	3.416	2
RMND1	1.854	3.41
RMND5A	4.582	11.54
RMND5B	1.808	3.08
RN7SK	0.332	64.96
RN7SL1	0.299	47.61
RN7SLP2	0.235	1.43
RN7SLP5	0.217	0
RNASE1	1.124	35.6
RNASE10	0.651	0.39
RNASE11	1.767	0
RNASE12	0.444	0
RNASE13	1.607	0
RNASE2	0.735	8.25
RNASE3	0.716	8.24
RNASE4	1.997	1.05
RNASE6	1.059	32.45
RNASE7	1.466	0
RNASE8	0.465	0
RNASE9	0.618	0
RNASEH1	1.648	7.06
RNASEH1P1	0.801	0.11
RNASEH1P2	0.829	1.72
RNASEH1P3	0.856	0.2
RNASEH2A	1.142	24.12
RNASEH2B	1.515	20.35
RNASEH2C	0.887	49.01
RNASEL	4.148	3.94
RNASEN	4.74	12.92
RNASET2	1.25	343.69
RND1	1.652	0.1
RND2	4.152	0.12
RND3	2.683	0.03
RNF10	3.784	33.66
RNF103	3.477	1.28
RNF11	3.139	5.88
RNF111	5.538	2.92
RNF113A	1.353	19.05
RNF113B	1.378	0
RNF11B	0.439	0
RNF12	5.122	3.52
RNF121	2.379	5.03
RNF122	1.868	29.4
RNF123	4.255	12.69
RNF125	1.916	4.04
RNF126	2.195	14.93
RNF126P1	1.318	2.81

RNF128	3.411	0
RNF13	4.631	2.75
RNF130	1.847	75.53
RNF133	2.886	0
RNF135	3.401	14.02
RNF138	3.644	5.04
RNF138P1	5.701	0.53
RNF139	3.312	12.31
RNF14	3.903	6.19
RNF141	4.084	5.61
RNF144	5.74	0.18
RNF146	2.147	3.88
RNF148	2.604	0
RNF149	2.452	3.57
RNF150	4.661	0
RNF151	0.802	0
RNF152	1.805	0.04
RNF157	4.134	3.59
RNF165	5.276	0
RNF166	1.848	11.8
RNF167	1.708	74.57
RNF168	2.316	3.38
RNF169	8.9	1.51
RNF17	5.108	0.02
RNF170	2.065	3.31
RNF175	1.569	0.21
RNF180	1.727	0
RNF182	3.304	0.03
RNF183	1.21	0
RNF185	3.166	9.93
RNF186	1.25	0
RNF187	3.81	28.96
RNF19	4.563	3.88
RNF190	3.09	0
RNF2	3.551	5.33
RNF20	3.94	13.77
RNF207	1.859	0
RNF208	0.752	0
RNF212	2.332	0
RNF213	12.854	13.16
RNF214	2.338	8.32
RNF24	1.696	2.43
RNF25	1.561	12.25
RNF26	2.786	26.51
RNF31	4.075	13.91
RNF32	3.492	0.12
RNF34	2.195	11.74
RNF38	5.756	3.38
RNF39	11.471	0
RNF4	2.947	17.95

RNF40	4.233	25.11
RNF41	3.846	12.68
RNF43	5.575	0.04
RNF44	4.153	63.97
RNF5	3.381	0.52
RNF5P1	1.088	5.88
RNF6	4.368	7.5
RNF7	3.01	10.13
RNF8	9.585	1.52
RNGTT	4.415	3.53
RNH1	2.218	24.27
RNMT	6.203	3.82
RNMTL1	1.801	7.58
RNPC3	0.411	0.82
RNPEP	2.413	20.39
RNPEPL1	2.913	57.08
RNPS1	2.072	71.1
RNR1	0.1	0
RNR2	0.1	0
RNU12	0.544	0
RNU12P	0.73	0
RNU1P10	0.164	1.03
RNU1P6	0.162	0
RNU1P7	0.154	0
RNU1P8	0.264	0
RNU1P9	0.164	0
RNU2	0.187	0
RNU2B	0.138	0.61
RNU2P2	0.189	0
RNU3	0.1	0
RNU3P3	0.145	0
RNU3P4	0.144	0
RNU4B1	0.144	37.44
RNU4P1	0.5	0
RNU4P2	0.679	0
RNU4P3	0.1	0
RNU4P5	0.1	0
RNU4P6	0.1	0
RNU56B	0.1	0
RNU5B	0.117	2.16
RNU5C	0.117	0
RNU5D	0.1	0.84
RNU5E	0.119	0
RNU5F	0.116	0.72
RNU6B	0.1	0
RNU7P4	0.1	0
RNU86	0.1	0.84
RNUXA	1.751	7.03
RNY4P2	0.1	0
RNY4P3	0.1	0

RNY5	1.616	0.15
ROBO1	7.647	0
ROBO2	5.598	0
ROBO3	4.569	5.31
ROBO4	3.746	21.25
ROCK1	4.065	6.57
ROCK2	6.401	3.1
ROD1	7.23	11.14
ROGDI	1.458	17.74
ROM1	1.464	1.44
ROPN1	1.104	0
ROPN1B	1.001	0
ROPN1L	1.037	0
ROR1	3.358	0.27
ROR2	4.091	0.25
RORA	2.558	0.07
RORB	3.604	0
RORC	3.214	2.15
ROS1	7.368	0
RP1	7.1	0.15
RP11-114G1.1	2.768	0.58
RP11-114H20.1	2.369	0
RP11-11C5.2	2.475	1.6
RP11-125A7.3	7.566	2.51
RP11-130N24.1	10.693	0
RP11-133N1.2	1.461	0
RP11-138L21.1	0.861	0
RP11-139H14.4	1.687	0.05
RP11-145H9.1	5.752	0.15
RP11-151A2.2	0.819	0.51
RP11-162I21.1	3.037	8.46
RP11-165H20.1	2.829	0
RP11-167P23.2	0.457	0
RP11-169K16.3	1.52	0
RP11-184C23.1	2.863	0
RP11-191L9.1	4.185	0
RP11-193G17.1	1.197	187.83
RP11-217H1.1	3.884	9.91
RP11-218C14.6	24.014	0
RP11-262D11.5	3.978	0
RP11-262H14.4	1.48	0
RP11-269F19.9	1.265	0.07
RP1-127L4.6	0.805	0
RP11-282A11.1	0.739	0.11
RP11-291L22.2	19.525	0.03
RP11-298P3.3	3.509	3.84
RP11-301I17.1	2.624	0.16
RP11-301J16.2	0.315	0
RP11-320C15.1	0.835	20.07
RP11-321G1.2	1.186	0

RP11-327P2.4	0.718	0.12
RP11-350O14.10	1.209	0.98
RP11-35F15.2	1.281	0
RP11-35N6.1	2.676	0
RP11-365K22.1	1.324	7.19
RP11-366N18.1	4.017	0
RP11-38L15.1	3.497	0.02
RP11-408E5.4	0.24	0
RP11-410N8.4	0.846	0
RP11-413M3.2	0.537	15.22
RP11-430N14.1	0.531	0
RP11-431O22.2	0.522	0.48
RP11-444E17.2	1.647	0.05
RP11-45J16.2	10.584	0
RP11-460E7.5	3.577	0
RP11-493K23.2	2.898	0
RP11-493K23.3	2.237	0
RP11-49G10.8	1.203	0
RP1-14N1.3	9.118	0
RP11-506K6.3	1.151	12.88
RP11-50D16.3	3.549	1.61
RP11-529I10.4	0.799	6.01
RP1-153G14.3	1.224	0.27
RP11-564C4.1	5.723	0.21
RP11-56A21.1	4.672	1.86
RP11-584P2.3	6.391	0
RP11-61E5.1	0.86	9.7
RP11-69O16.1	1.162	0
RP11-763B22.5	0.486	0
RP11-78J21.1	2.365	3.57
RP11-87M18.1	0.903	0
RP11-92J19.4	1.419	4.34
RP11-93B10.1	4.105	1.29
RP11-93B14.6	2.526	0
RP11-95H8.1	4.226	0
RP11-98I6.3	2.022	0.25
RP1-27O5.1	1.623	0
RP1-303F19.1	1.641	0
RP13-102H20.1	3.083	0
RP13-15M17.2	4.707	4.16
RP1-32F7.2	3.156	0
RP13-347D8.3	7.403	0
RP13-36C9.1	1.492	0
RP13-36C9.3	1.008	0
RP13-36C9.6	1.008	0
RP13-377G1__A.2	0.213	0
RP1-57A13.2	1.72	0.49
RP1-93H18.5	1.109	58.03
RP1L1	7.978	0.28
RP2	3.802	2.51

RP3-340N1.3	0.768	0.22
RP3-355C18.2	2.505	0
RP3-377H14.5	8.511	0
RP3-398D13.1	2.819	0.15
RP3-402G11.5	2.315	13.39
RP3-402H5.2	1.533	0
RP3-405J24.3	0.548	85.92
RP3-452H17.2	0.519	0
RP3-474I12.5	0.72	0
RP3-509I19.5	2.478	0
RP3-510O8.5	0.488	0
RP4-691N24.1	4.973	6.64
RP4-692D3.1	2.988	0.11
RP4-747L4.3	2.801	3.45
RP4-753D5.2	0.502	1.34
RP5-1022P6.2	4.06	8.13
RP5-1054A22.3	6.412	0.02
RP5-1077B9.4	2.588	38.54
RP5-1103G7.6	2.119	0
RP5-821D11.2	4.006	0.21
RP5-854E16.2	1.23	17.39
RP5-860F19.3	3.139	0.59
RP5-875H10.1	6.089	0
RP5-964H19.3	2.729	0
RP6-166C19.1	1.288	0
RP6-166C19.10	1.288	0
RP6-166C19.11	1.288	0
RP6-166C19.2	1.288	0
RP6-166C19.3	1.288	0
RP6-166C19.4	1.288	0
RP6-166C19.5	1.288	0
RP6-166C19.6	1.288	0
RP6-166C19.9	1.288	0
RP6-213H19.1	3.254	7.5
RP9	2.242	6.31
RPA1	2.795	35.89
RPA2	1.72	35.02
RPA2P	1.427	0
RPA3	3.188	1.93
RPA4	1.56	0
RPAIN	2.025	7.07
RPAP1	4.672	9.63
RPE	4.253	1.75
RPE65	2.608	0
RPESP	1.322	0
RPGR	6.571	0.81
RPGRIP1	3.861	0
RPH3A	2.951	0.06
RPH3AL	3.212	16.58
RPIA	1.834	20.63

RPIB9	4.486	0.19
RPIP8	1.821	0.23
RPL10	2.866	159.51
RPL10A	0.719	1166.3
RPL10AP1	0.679	0.99
RPL10AP2	0.716	110.36
RPL10L	0.813	1.35
RPL10P1	0.742	2.5
RPL11	0.609	2565.66
RPL12	0.631	796.3
RPL12L2	0.612	1.1
RPL12L3	0.625	0.67
RPL12P10	2.91	0.03
RPL12P3	0.396	0
RPL12P4	0.497	115.08
RPL12P5	0.392	0.21
RPL12P6	0.564	0.3
RPL12P7	0.545	0
RPL13	1.322	1835.29
RPL13A	1.127	1440.6
RPL13AP2	0.573	9.26
RPL13P2	0.659	83.22
RPL14	0.971	895.98
RPL14L	1.704	195.86
RPL15	1.993	559.73
RPL15P1	0.6	1.12
RPL15P2	2.06	0.53
RPL17	0.944	120.82
RPL17P1	0.536	0
RPL17P3	0.684	0
RPL17P4	0.586	0.14
RPL18	0.641	2101.69
RPL18A	0.618	1058.13
RPL18AP1	0.61	11.18
RPL18P1	0.571	0
RPL19	1.976	291.97
RPL19P1	0.428	0
RPL21	1.392	2
RPL21P1	0.954	0
RPL21P10	0.885	1.05
RPL21P11	0.56	0.3
RPL21P12	0.9	0.09
RPL21P13	0.49	0.17
RPL21P2	0.491	0.17
RPL21P4	0.492	0
RPL21P8	0.594	1.13
RPL21P9	0.713	0.12
RPL22	2.085	207.62
RPL22L1	2.054	15.5
RPL22P2	0.46	6.96

RPL23	0.577	1647.78
RPL23A	0.97	181.93
RPL23AP1	1.413	0
RPL23AP10	0.513	0.16
RPL23AP11	0.489	1.03
RPL23AP13	2.304	0.19
RPL23AP3	0.533	0.47
RPL23AP4	0.473	0
RPL23AP6	0.472	0.71
RPL23AP7	16.573	0.23
RPL23AP9	0.494	0.68
RPL23P2	0.477	7.95
RPL24	0.562	468.1
RPL24P1	0.481	0.35
RPL24P3	0.491	0
RPL24P4	0.433	460.67
RPL26	0.582	895.77
RPL26L1	0.71	15.78
RPL26P2	0.491	0.34
RPL26P3	0.488	0
RPL26P4	0.726	4.29
RPL27	0.495	1532.75
RPL27A	0.545	2072.67
RPL27AP	0.833	3.84
RPL27P1	0.465	244.38
RPL28	4.209	366.55
RPL29	0.695	933.26
RPL29P1	0.463	0
RPL29P2	0.657	1.92
RPL3	1.514	1544.18
RPL30	0.505	2432.66
RPL31	0.442	1153.96
RPL31P1	0.405	0.41
RPL31P10	0.408	3.71
RPL31P2	0.379	2
RPL31P3	0.852	0.1
RPL31P8	0.374	0
RPL32	1.968	330.52
RPL32L2	0.373	0.23
RPL32P1	1.539	0
RPL34	1.023	237.15
RPL34P1	0.354	0.95
RPL34P2	0.353	1.43
RPL34P3	0.38	0
RPL35	0.46	1480.17
RPL35A	0.484	1770.16
RPL35AP	0.797	0
RPL35AP2	0.258	9.14
RPL36	0.606	1546.97
RPL36A	0.452	8.75

RPL36AL	0.523	195.37
RPL36AP2	0.767	0
RPL36AP3	0.37	55.32
RPL36AP4	0.264	0
RPL36P1	0.228	0
RPL36P2	0.319	0
RPL37	1.57	800.02
RPL37A	0.42	2677.89
RPL37AP1	0.279	1162.09
RPL37P1	0.284	11.86
RPL37P2	0.366	262.15
RPL38	0.447	1516.81
RPL38P1	0.24	0.71
RPL39	0.401	196.62
RPL39L	0.703	2.4
RPL39P	0.156	0
RPL39P2	0.365	0.46
RPL39P3	0.385	868.62
RPL3L	1.529	0.05
RPL3P1	1.265	2.93
RPL3P2	2.479	0
RPL3P4	0.478	1042.55
RPL4	1.432	905.07
RPL41	0.667	29.68
RPL41P1	0.413	747.32
RPL41P2	0.407	1.45
RPL41P3	1.177	1.93
RPL41P4	0.429	5.11
RPL5	1.031	795.71
RPL5P2	0.854	0
RPL6	1.183	184.92
RPL7	0.837	8.46
RPL7A	0.89	684.96
RPL7AL2	0.308	0
RPL7AL3	0.285	0
RPL7AL4	0.776	0.65
RPL7AP1	0.802	2.52
RPL7AP5	0.881	0.77
RPL7AP6	0.881	110.73
RPL7AP7	0.89	0.28
RPL7AP8	0.865	0.49
RPL7L1	1.275	5.75
RPL7P	0.834	33.64
RPL7P2	0.268	0
RPL7P3	0.715	0
RPL7P6	1.386	0.37
RPL8	0.975	2234.36
RPL9	0.898	17.45
RPL9P6	0.714	0
RPL9P7	0.703	0

RPL9P8	0.704	10.77
RPLP0	1.312	1689.02
RPLP0-like	1.179	658.46
RPLP0P1	0.456	0
RPLP0P2	27.939	0.87
RPLP1	0.512	6311.93
RPLP1P1	0.968	9.23
RPLP2	0.493	2790.04
RPN1	2.341	93.05
RPN2	2.49	101.25
RPP14	1.55	2.88
RPP21	1.566	0
RPP25	2.333	1.37
RPP30	2.612	2.68
RPP38	1.545	4.91
RPP40	1.159	7.41
RPPH1	0.341	27.67
RPRM	1.471	0
RPRML	1.093	0
RPS10	0.618	397.6
RPS10L	0.611	0.55
RPS10P2	0.494	1.88
RPS10P3	0.577	1.32
RPS11	0.609	3565.84
RPS11P1	0.473	0
RPS12	0.503	2238.7
RPS12P1	0.307	0
RPS13	0.529	1315.77
RPS14	1.105	801.57
RPS15	0.531	1076.67
RPS15A	0.568	1048.36
RPS15AP1	0.296	81.67
RPS15AP2	0.362	0
RPS15AP3	0.414	0
RPS16	0.59	2513.23
RPS17	0.485	1416.21
RPS17P2	0.493	3.59
RPS18	1.626	0
RPS18P1	0.458	0.19
RPS18P2	0.538	785.37
RPS19	0.849	1563.18
RPS19BP1	0.927	40.71
RPS19P1	0.468	895.64
RPS19P2	0.441	414.69
RPS2	1.113	862.04
RPS20	0.523	1344.55
RPS20P1	0.459	0.37
RPS20P3	0.5	1.18
RPS20P4	0.46	1.46
RPS21	0.396	932.98

RPS23	3.314	446.8
RPS23P1	0.505	61.55
RPS24	0.702	1470.89
RPS24P1	7.38	0.01
RPS24P2	0.522	66.8
RPS24P3	0.557	3.48
RPS25	0.492	3038.82
RPS26	0.682	3.59
RPS26e	0.892	0.19
RPS26L	4.714	0.02
RPS26L1	0.566	0
RPS26P10	0.908	0.09
RPS26P3	0.451	0.56
RPS26P4	0.44	0
RPS26P6	0.348	0
RPS27	0.617	37.95
RPS27A	0.541	742.09
RPS27AP1	0.547	0
RPS27AP2	0.465	0.37
RPS27AP4	0.507	0
RPS27L	1.084	22.46
RPS27P3	0.255	845
RPS28	0.382	5.95
RPS29	0.829	699.49
RPS29P1	0.204	0
RPS2L1	0.966	6.8
RPS2P2	0.928	1.36
RPS2P3	0.87	0.97
RPS2P4	0.942	7.69
RPS2P6	0.98	1.12
RPS3	0.841	3172.52
RPS3A	1.772	3.76
RPS3AP1	0.365	0
RPS3AP3	0.242	0
RPS3AP6	0.859	0.49
RPS3P1	0.192	0.44
RPS3P2	0.71	0
RPS4L	0.394	8.34
RPS4L2	0.612	50.65
RPS4X	0.956	1876.1
RPS4Y1	0.897	359.29
RPS4Y2	0.79	56.62
RPS5	0.741	1761.91
RPS5L	0.688	0.85
RPS5P1	0.623	397.25
RPS6	0.829	3808.09
RPS6KA1	3.383	38.37
RPS6KA2	6.287	25.62
RPS6KA3	7.71	3.66
RPS6KA4	3.253	14.32

RPS6KA5	4.493	0.36
RPS6KA6	2.616	0
RPS6KB1	5.319	2.37
RPS6KB2	2.322	18.24
RPS6KC1	4.182	2.36
RPS6KL1	3.017	1.09
RPS6P1	0.786	1.93
RPS7	0.728	99.05
RPS7P1	0.585	206.34
RPS8	0.705	1959.17
RPS9	0.713	2082.27
RPS9P1	0.684	6.65
RPS9P2	0.723	302.69
RPSA	1.153	213.62
RPSAP1	0.88	0.38
RPSAP10	0.881	0.48
RPSAP14	0.379	2.45
RPSAP15	1.041	1.05
RPSAP3	1.032	1.22
RPSAP4	1.03	1.14
RPSAP5	1.026	0.99
RPTN	2.529	0
RPUSD1	2.05	17.91
RPUSD2	1.839	6.5
RPUSD3	1.201	27.29
RPUSD4	2.146	14.72
ROCD1	2.22	26.45
RRAD	1.441	0.12
RRAGA	1.652	18.92
RRAGB	2.138	4.96
RRAGC	1.939	9.03
RRAGD	1.45	2.62
RRAS	0.983	14.14
RRAS2	1.499	10.45
RRBP1	3.666	64.04
RREB1	8.367	6.83
RRH	1.558	0.05
RRM1	3.104	17.4
RRM2	2.473	21.94
RRM2B	4.93	1.9
RRM2P3	1.163	3.55
RRM2P4	0.566	0
RRN3	3.746	6.02
RRP12	4.364	8.86
RRP15	1.34	2.7
RRP9	1.543	18.35
RRS1	1.706	14.46
RS1	3.032	0
RSAD1	2.499	15.44
RSAD2	3.512	0.24

RSBN1	6.593	5.28
RSBN1L	6.182	3.11
RSC1A1	2.422	4.84
RSF1	5.134	2.69
RSHL1	2.456	0
RSHL2	2.177	3.76
RSHL3	2.825	0.95
RSL1D1	1.932	89.86
RSPO1	2.985	14.9
RSPO2	2.801	0
RSPO3	2.141	0.04
RSPO4	2.707	0.03
RSPRY1	2.072	5.45
RSRC1	1.634	7.01
RSRC2	3.049	16.8
RSU1	3.806	10.14
RTBDN	1.328	0
RTCD1	1.537	8.77
RTDR1	1.252	0
RTL1	5.256	4.18
RTF1	5.003	13.11
RTKN	3.049	7.24
RTL1	4.077	0
RTN1	4.461	0.06
RTN2	3.37	2.37
RTN3	8.397	8.37
RTN4	7.604	14.79
RTN4IP1	1.667	2.78
RTN4R	1.919	2.02
RTN4RL1	3.164	4.55
RTN4RL2	1.263	1.4
RTP1	2.183	0
RTP2	1.346	0
RTP3	0.817	0
RTP4	1.014	4.57
RTTN	7.098	1.5
RUFY1	3.213	13.82
RUFY2	2.425	1.84
RUFY3	5.919	3.97
RUFY4	3.567	0
RUNDC1	3.828	5
RUNDC2A	2.248	0.45
RUNDC2B	1.22	0
RUNDC2C	39.987	0.01
RUNX1	8.024	27.34
RUNX1T1	4.301	0
RUNX2	6.334	4.38
RUNX3	5.475	11.78
RUSC1	2.163	7.55
RUSC2	5.199	1.12

RUTBC1	4.867	10.77
RUTBC2	6.057	0
RUTBC3	2.989	31.93
RUVBL1	1.736	32.95
RUVBL2	1.488	61.53
RWDD1	1.691	16.14
RWDD2	1.279	1.65
RWDD3	1.078	3.91
RWDD4A	2.566	2.07
RXFP1	2.412	0
RXFP2	2.803	0
RXFP3	1.854	0
RXFP4	1.125	0
RXRA	5.428	1.46
RXRB	8.626	0.04
RXRG	2.116	0
RY1	1.404	10.26
RYBP	2.7	8.49
RYK	3.067	5.44
RYR1	15.359	0
RYR2	15.73	0.02
RYR3	15.559	0.03
S100A1	0.594	121.39
S100A10	0.639	7.38
S100A11	0.594	9.08
S100A12	0.466	20.61
S100A13	1.519	84.29
S100A14	1.043	0.25
S100A16	1.068	550.69
S100A2	0.963	1.22
S100A3	0.738	6.16
S100A4	0.562	148.39
S100A5	0.71	1.43
S100A6	0.683	177.23
S100A7	0.438	0
S100A7A	4.279	0
S100A7L2	0.306	0
S100A8	0.408	145.35
S100A9	0.575	133.17
S100B	1.096	0
S100G	0.453	0
S100P	0.51	6.44
S100PBP	4.612	4.68
S100Z	1.017	1.24
SAA1	0.779	0
SAA2	0.527	0
SAA3P	4.086	0
SAA4	0.614	0
SAAL1	1.51	5.46
SAC	5.051	0

SAC3D1	1.538	15.06
SACM1L	3.519	8.55
SACS	14.79	1
SAE1	2.109	62.59
SAE2	2.665	23.39
SAFB	2.988	46.2
SAFB2	3.142	24.91
SAG	1.565	0
SAGE1	3.046	0
SALF	3.824	0.03
SALL1	4.669	0.02
SALL2	4.913	1.73
SALL3	4.775	0
SALL4	3.452	0
SAMD1	1.485	38.68
SAMD10	2.176	2.17
SAMD11	2.554	1.42
SAMD12	2.1	0
SAMD13	1.565	0
SAMD14	1.859	0.37
SAMD3	2.432	0.14
SAMD4A	2.338	0.54
SAMD4B	4.495	13.66
SAMD7	2.265	0
SAMD8	1.505	2.8
SAMD9	15.155	3.54
SAMD9L	14.264	2.17
SAMHD1	2.701	6.36
SAMM50	1.716	16.2
SAMSN1	1.888	20.62
SAP130	4.061	6.18
SAP18	2.022	70.07
SAP30	1.109	18.31
SAP30BP	2.519	16.62
SAP30L	1.945	6.11
SAPS1	3.928	84.52
SAPS2	4.747	19.75
SAPS3	4.958	14.11
SAR1A	2.986	11.37
SAR1B	1.365	5.18
SAR1P3	0.573	0.14
SARDH	3.344	1.21
SARM1	6.861	0.41
SARS	1.895	58.64
SARS2	2.057	8.44
SART1	3.561	33.71
SART3	3.776	15.02
SAS10	2.035	25.29
SASH1	7.709	0.05
SASP	2.172	1.44

SASS6	3.899	0.8
SAS-ZFAT	0.939	0.81
SAT1	1.156	27.54
SAT2	0.933	24.56
SATB1	4.203	20.48
SATB2	4.998	0.1
SATL1	1.616	1.15
SAV1	3.031	13.42
SBDS	3.21	7.5
SBDSP	10.68	0.53
SBEM	0.396	0
SBF1	7.267	24.38
SBF2	7.405	2.08
SBK1	4.992	0.1
SBNO1	4.179	4.73
SBNO2	4.877	11.93
SBSN	0.957	0
SC4MOL	2.288	1.07
SC4MOP	0.882	0.19
SC5DL	2.336	4.26
SC65	2.602	0.48
SCAMP1	8.202	1.32
SCAMP2	2.398	54.94
SCAMP3	1.883	40.31
SCAMP4	2.526	21.81
SCAMP5	3.382	2.71
SCAND1	0.997	68.1
SCAND2	6.81	0.99
SCAP	4.255	28.39
SCARA3	3.832	0
SCARA5	3.643	0
SCARB1	2.555	22.12
SCARB2	4.748	8.12
SCARF1	8.081	7.03
SCARF2	3.624	0.14
SCARNA1	0.166	0
SCARNA11	0.137	0
SCARNA12	0.27	2.18
SCARNA15	0.311	8.67
SCARNA16	0.475	6.38
SCARNA17	0.421	12.2
SCARNA2	0.42	4.82
SCARNA20	0.13	0
SCARNA21	0.138	4.27
SCARNA22	0.125	5.39
SCARNA23	0.13	0
SCARNA3	0.144	0
SCARNA4	0.129	0
SCARNA5	0.278	0
SCARNA6	0.266	0

SCARNA7	0.33	6.13
SCARNA8	0.131	0
SCARNA9	0.353	21.96
SCC-112	6.714	18.89
SCCPDH	2.474	13.35
SCD	5.468	0.49
SCD5	4.207	2.57
SCEL	2.422	0
SCFD1	2.33	3.76
SCFD2	3.176	5.52
SCG2	2.476	0
SCG3	3.31	0
SCG5	1.151	0.08
SCGB1A1	0.425	0
SCGB1C1	0.431	0
SCGB1D1	0.429	0
SCGB1D2	0.438	0
SCGB1D4	0.434	0
SCGB2A1	0.518	0
SCGB2A2	0.502	0
SCGB3A1	0.466	0.37
SCGB3A2	0.515	0
SCGN	1.482	0
SCHIP1	2.626	23.06
SCIN	5.14	0
SCLT1	2.816	2.3
SCLY	2.412	6.53
SCMH1	4.741	25.9
SCML1	3.392	0.05
SCML2	4.131	2.86
SCML4	2.055	0.12
SCN10A	5.874	0
SCN11A	6.502	0.05
SCN1A	8.082	0
SCN1B	2.278	51.73
SCN2A	9.191	0.01
SCN2B	4.921	0
SCN3A	9.093	0.76
SCN3B	6.697	0.76
SCN4A	7.805	14.41
SCN4B	4.486	0.02
SCN5A	8.663	0.02
SCN7A	5.377	0
SCN8A	7.006	0.52
SCN9A	6.357	0.03
SCNM1	1.484	25.37
SCNN1A	3.135	0.72
SCNN1B	2.544	0
SCNN1D	2.666	2.12
SCNN1G	3.499	0

SCO1	1.701	8.62
SCO2	1.272	11.12
SCOC	1.958	2.92
SCOTIN	2.166	79.1
SCP2	4.928	9.42
SCPEP1	1.919	16.2
SCRG1	0.903	0
SCRIB	5.208	12.61
SCRL	3.1	0.11
SCRN1	10.42	0.05
SCRN2	1.644	30.49
SCRN3	2.468	2.93
SCRT1	3.552	0
SCRT2	3.577	0.16
SCT	0.514	0
SCTR	1.701	0
SCUBE1	2.992	0.08
SCUBE2	3.737	1.83
SCUBE3	5.115	0.07
SCYE1	2.176	14.25
SCYE1P	0.912	0.83
SCYL1	2.57	29.4
SCYL1BP1	2.186	2.04
SCYL2	3.807	4.61
SCYL3	3.577	2.17
SDAD1	2.753	9.42
SDC1	3.592	0.96
SDC2	3.485	14.17
SDC3	1.461	0.35
SDC4	2.613	0.03
SDC4P	0.467	0
SDCBP	2.371	11.26
SDCBP2	1.633	0.25
SDCCAG1	4.121	5.03
SDCCAG10	2.08	10.53
SDCCAG3	2.379	15.97
SDCCAG3L	1.089	3.87
SDCCAG8	2.142	10.15
SDF2	1.075	29.85
SDF2L1	0.874	43.27
SDF4	2.97	40.59
SDHA	2.276	58.89
SDHALP1	3.157	2.83
SDHALP2	46.009	0.38
SDHAP3	23.621	0.52
SDHB	1.098	33.75
SDHC	5.281	8.2
SDHD	1.313	13.02
SDHDP6	1.292	1.11
SDHDP7	1.29	1.44

SDK1	13.998	0.11
SDK2	9.536	14.31
SDPR	3.221	0.05
SDR-O	0.942	0
SDS	1.605	0
SDSL	1.397	2.65
SEBOX	1.641	0
SEC11A	1.383	35.45
SEC11B	0.894	5.84
SEC11C	0.782	10.66
SEC13	1.574	84.82
SEC14L1	4.74	53.65
SEC14L2	2.817	0.09
SEC14L3	2.064	0.08
SEC14L4	2.499	0.2
SEC14L5	6.522	0
SEC22A	1.793	2.44
SEC22B	2.08	25.8
SEC22C	2.056	4.63
SEC23A	3.841	5.37
SEC23B	3.949	11.67
SEC23IP	4.243	8.93
SEC24A	7.063	1.16
SEC24B	4.743	5.06
SEC24C	4.669	28.94
SEC24D	3.99	5.59
SEC31A	4.237	31.49
SEC31B	4.612	4.38
SEC61A1	3.636	82.26
SEC61A2	2.241	5.41
SEC61B	0.562	114.37
SEC61G	1.102	10.85
SEC63	3.849	23.26
SEC63D1	2.668	0
SECISBP2	3.467	5.49
SECTM1	2.002	8.71
SEDLP2	0.536	0
SEDLP3	4.634	0
SEDLP4	10.816	0
SEDLP5	7.767	0
SEH1L	4.18	6.67
SEL1L	7.853	3.7
SEL1L2	1.903	0
SELE	3.833	0
SELENBP1	1.705	2.07
SELI	8.093	1.25
SELK	0.818	13.7
SELL	2.324	12.43
SELM	0.691	8.78
SELP	3.199	0

SELPLG	2.543	2.95
SELS	1.878	9.73
SELT	3.49	8.83
SELV	1.704	0
SEMA3A	5.046	0.03
SEMA3B	3.069	0.03
SEMA3C	10.353	0.01
SEMA3D	12.522	0
SEMA3E	12.947	0
SEMA3F	3.516	2.23
SEMA3G	4.7	0.66
SEMA4A	3.23	3.52
SEMA4B	4.063	1.97
SEMA4C	3.522	0.71
SEMA4D	4.628	7.97
SEMA4F	4.273	1.21
SEMA4G	4.4	0.27
SEMA5A	8.021	0
SEMA5B	4.707	0.43
SEMA6A	6.808	1.22
SEMA6B	4.634	1.67
SEMA6C	3.892	20.04
SEMA6D	10.56	0.03
SEMA7A	3.284	7.13
SEMG1	2.755	0
SEMG2	1.982	0
SENP1	4.726	1.77
SENP2	3.198	4.77
SENP3	2.411	30.78
SENP5	3.028	2.17
SENP6	4.21	9.19
SENP7	4.732	1.43
SENP8	1.439	0.35
SEP15	3.001	36.6
SEPHS1	3.028	10.35
SEPHS2	2.273	27.64
SEPN1	4.332	68.56
SEPP1	2.086	3.23
SEPT1	1.59	3.13
SEPT10	3.254	0
SEPT11	5.555	13.3
SEPT12	1.29	0
SEPT2	3.799	35.77
SEPT3	5.85	0.03
SEPT4	2.841	1.01
SEPT5	3.525	0.38
SEPT6	8.895	63.07
SEPT7	4.969	11.9
SEPT9	3.902	288.7
SEPW1	0.88	34.08

SEPW1P	1.521	3.21
SEPX1	1.367	20.09
SERAC1	3.915	0.15
SERBP1	6.914	19.64
SERBP1P	3.059	2.73
SERF1A	3.778	0.09
SERF2	0.512	496.86
SERGEF	1.494	4.73
SERHL	1.346	4.95
SERHL2	1.374	7.11
SERINC1	3.128	12.9
SERINC2	1.997	0.59
SERINC3	3.651	21.5
SERINC4	1.971	6.28
SERINC5	3.002	8.3
SERP1	2.743	39.93
SERPINA1	2.154	2.51
SERPINA10	2.453	0
SERPINA11	1.471	0
SERPINA12	2.061	0
SERPINA13	1.718	0
SERPINA2	1.752	0
SERPINA3	1.59	0
SERPINA4	1.661	0
SERPINA5	2.227	0
SERPINA6	1.492	0
SERPINA7	1.559	0
SERPINA9	1.346	0
SERPINB1	1.942	41.16
SERPINB10	1.194	0.42
SERPINB11	1.179	0
SERPINB12	1.218	0
SERPINB13	3.114	0
SERPINB2	1.901	0.04
SERPINB3	1.694	0
SERPINB4	1.698	0
SERPINB5	2.557	0
SERPINB6	1.646	28.14
SERPINB7	3.047	0
SERPINB8	3.928	2.81
SERPINB9	4.107	6.44
SERPINBP1	0.397	0
SERPINC1	1.556	0
SERPIND1	2.221	0.03
SERPINE1	5.734	2.23
SERPINE2	2.107	0.16
SERPINF1	1.542	4.92
SERPINF2	2.21	1.07
SERPING1	2.005	14.45
SERPINH1	2.204	48.31

SERPINI1	1.895	0.14
SERPINI2	1.43	0.12
SERTAD1	1.165	4.78
SERTAD2	5.547	8.67
SERTAD3	1.676	1.81
SERTAD4	2.028	0
SESN1	2.759	7.36
SESN2	3.485	3.63
SESN3	2.208	3.59
SESTD1	3.214	3.33
SET	2.559	68.11
SET07p	2.982	0
SETBP1	5.954	3.38
SETD1A	6.447	11.2
SETD1B	8.531	4.61
SETD2	7.987	14.1
SETD3	3.3	18.99
SETD4	6.424	1.88
SETD5	15.847	8.37
SETD6	1.998	2.19
SETD7	7.012	3.31
SETD8	2.751	13.75
SETDB1	4.363	14.75
SETDB2	3.298	6.85
SETMAR	2.058	3.48
SETP2	3.161	0.32
SETX	10.149	9.26
SEZ6	4.318	0.02
SEZ6L	3.407	0
SEZ6L2	3.358	0.48
SF1	6.668	61.01
SF3A1	5.391	42.89
SF3A2	1.65	88.63
SF3A3	2.841	34.87
SF3A3P1	1.477	9.64
SF3A3P2	2.716	4.43
SF3B1	4.658	45.8
SF3B14	0.771	71.89
SF3B2	2.894	87.03
SF3B3	4.539	46.15
SF3B4	1.549	80.32
SF3B5	0.737	117.5
SF4	2.075	17.01
SF11	4.252	2.56
SFMBT1	3.934	3.9
SFMBT2	4.363	1.08
SFN	1.315	0.25
SFPQ	4.027	59.47
SFPQP	2.847	1.06
SFRP1	4.455	0.02

SFRP2	1.99	0.04
SFRP4	5.634	0
SFRP5	1.887	0.04
SFRS1	2.75	61.26
SFRS10	1.946	78.7
SFRS11	2.775	31.39
SFRS12	3.751	11.75
SFRS14	5.769	17.07
SFRS15	3.868	9.98
SFRS16	2.234	19.31
SFRS2	2.882	71.88
SFRS2B	2.561	14.04
SFRS2IP	5.803	13.18
SFRS3	2.806	67.24
SFRS4	2.145	47.83
SFRS5	1.786	243.46
SFRS6	4.081	109.93
SFRS7	2.83	44.11
SFRS8	5.536	19.49
SFRS9	1.411	82.15
SFT2D1	0.691	9.63
SFT2D2	1.155	3.65
SFT2D3	2.811	4.65
SFTPA1	0.968	0
SFTPA2	2.139	0
SFTP B	3.535	0.05
SFTPC	0.991	0
SFTPD	1.283	0
SFTPG	1.266	0
SFXN1	3.289	10.68
SFXN2	2.559	3.19
SFXN3	3.09	5.07
SFXN4	2.229	5.48
SFXN5	4.14	3.2
SGCA	1.404	0.06
SGCB	4.229	0.56
SGCD	8.531	0
SGCE	3.302	0.03
SGCEP	1.641	0
SGCG	1.624	0
SGCZ	2.178	0
SGEF	3.861	0
SGIP1	4.554	0
SGK	2.371	1.39
SGK2	2.293	0
SGK3	4.324	1.06
SGOL1	2.722	1.39
SGOL2	4.154	2.17
SGPL1	5.105	14.45
SGPP1	3.309	1.68

SGPP2	1.2	0.63
SGSH	2.682	5.78
SGTA	2.315	31.4
SGTB	2.649	0.57
SH2B1	4.858	12.98
SH2B2	3.971	1.97
SH2B3	5.406	23.35
SH2D1A	2.45	0.03
SH2D1B	2.535	0
SH2D2A	1.606	0.68
SH2D3A	2.315	0.08
SH2D3C	3.106	106.37
SH2D4A	2.864	0.82
SH2D4B	3.983	4.38
SH2D5	6.101	0.02
SH2D6	0.894	0
SH3BGR	1.472	1.15
SH3BGR L	1.743	40.21
SH3BGR L2	4.646	0
SH3BGR L3	0.884	460.34
SH3BP1	2.576	1.15
SH3BP2	7.3	17.3
SH3BP4	5.183	0
SH3BP5	3.44	36.83
SH3BP5L	3.182	12.7
SH3D19	5.182	0.14
SH3GL1	2.443	23.72
SH3GL2	2.487	0.17
SH3GL3	2.012	0
SH3GLB1	2.504	19.04
SH3GLB2	1.984	16.9
SH3GLP2	24.523	0.05
SH3GLP3	27.17	0.33
SH3KBP1	4.145	49.41
SH3MD4	3.831	0.97
SH3PX3	3.233	1.64
SH3PXD2A	11.247	2.35
SH3PXD2B	7.777	1.66
SH3RF1	5.265	1.3
SH3RF2	3.003	0
SH3TC1	4.226	36.26
SH3TC2	26.58	0.04
SH3YL1	1.965	2.23
SHANK1	6.643	4.71
SHANK2	10.174	0.03
SHANK3	7.145	17.65
SHARPIN	1.764	24.07
SHB	2.302	1.83
SHBG	1.209	0
SHC1	3.677	23.32

SHC2	2.494	0
SHC3	2.394	0
SHC4	4.556	0.25
SHCBP1	3.206	4.52
SHCL1	3.507	0.48
SHD	1.515	0
SHE	6.243	0.05
SHF	2.239	0.82
SHFM1	0.996	37.38
SHFM3P1	2.39	3.42
SHH	8.219	15.55
SHKBP1	2.328	36.15
SHMT1	3.431	6.36
SHMT2	2.095	37.87
SHOC2	3.8	8.34
SHOX	4.384	0
SHOX2	3.753	0.09
SHPRH	6.994	1.24
SHQ1	2.848	5.44
SHROOM1	3.19	0.03
SHROOM2	7.445	0
SHROOM3	7.556	0
SHROOM4	6.003	0
SI	6.01	0
SIAE	2.839	1.01
SIAH1	4.39	2.96
SIAH2	2.62	9.03
SIAHBP1	1.887	63.3
SIDT1	4.575	10.39
SIDT2	3.919	15.64
SIGIRR	1.841	45.25
SIGLEC1	6.72	1.09
SIGLEC10	2.998	0.28
SIGLEC11	3.165	0.03
SIGLEC12	2.6	0
SIGLEC5	2.089	0.48
SIGLEC6	2.404	0
SIGLEC7	2.244	0.11
SIGLEC8	2.949	0
SIGLEC9	1.69	0.3
SIGLECP1	0.507	0
SIGLECP10	0.478	0
SIGLECP11	0.426	0
SIGLECP12	0.762	0.11
SIGLECP13	0.479	0
SIGLECP14	0.428	0
SIGLECP15	0.538	0
SIGLECP16	7.774	0.08
SIGLECP2	0.451	0
SIGLECP3	8.285	0

SIGLECP4	0.426	0
SIGLECP5	0.466	0
SIGLECP6	0.48	0
SIGLECP7	0.699	0
SIGLECP8	0.354	0
SIGLECP9	0.475	0
SIKE	2.19	2.07
SIL1	1.989	14.95
SILV	2.126	0.76
SIM1	3.995	0
SIM2	5.482	0.02
SIN3A	5.497	13.26
SIN3B	5.129	9.64
SIP1	1.893	1.29
SIPA1	3.778	37.57
SIPA1L1	6.007	3.21
SIPA1L2	5.679	4.42
SIPA1L3	7.984	8.05
SIRPA	4.487	8.99
SIRPB1	3.815	0.26
SIRPB2	3.004	0.06
SIRPD	0.812	0.1
SIRPG	1.716	0.05
SIRT1	4.09	3.63
SIRT2	2.815	22.48
SIRT3	3.26	5.37
SIRT4	1.171	0.36
SIRT5	2.941	3.03
SIRT6	1.636	11.43
SIRT7	1.713	16.52
SIT1	1.238	1.43
SIVA1	0.734	34.77
SIX1	1.376	0.06
SIX2	2.115	0
SIX3	1.924	0.18
SIX4	6.214	0
SIX5	3.145	6.99
SIX6	1.391	0
SKAP1	1.531	0.22
SKAP2	7.943	2.06
SKI	3.965	5.57
SKIL	3.059	1.07
SKIP	6.802	0
SKIV2L	12.51	0
SKIV2L2	3.56	9.82
SKP1A	3.204	35.68
SKP2	1.8	6.97
SLA	2.667	0.7
SLA/LP	3.363	0.82
SLA2	4.046	0.85

SLAIN1	2.598	5.71
SLAIN2	6.472	3.08
SLAMF1	1.791	0.28
SLAMF6	2.733	2.86
SLAMF7	2.657	0.38
SLAMF8	3.178	7.08
SLAMF9	1.12	0.08
SLBP	1.725	23.93
SLC10A1	1.579	0.16
SLC10A2	3.777	0.45
SLC10A3	2.124	6.7
SLC10A4	1.652	0.1
SLC10A5	1.317	0
SLC10A6	1.134	0
SLC10A7	4.103	1.13
SLC11A1	2.567	0.39
SLC11A2	4.105	2.01
SLC12A1	3.362	0.03
SLC12A2	6.86	1.5
SLC12A3	3.131	0
SLC12A4	3.84	3.2
SLC12A5	6.042	0.32
SLC12A6	3.767	4.99
SLC12A7	5.231	16.79
SLC12A8	3.482	0.05
SLC12A9	6.586	11.04
SLC13A1	7.593	0
SLC13A2	1.946	0
SLC13A3	4.481	0.19
SLC13A4	5.792	0.12
SLC13A5	3.207	0
SLC14A1	2.72	0.34
SLC14A2	4.167	0
SLC15A1	3.105	0
SLC15A2	2.831	1.13
SLC15A3	2.113	8.21
SLC15A4	2.768	8.34
SLC16A1	3.355	6.91
SLC16A10	2.471	0.2
SLC16A11	1.803	0.09
SLC16A12	3.9	0
SLC16A13	1.281	7.69
SLC16A14	4.294	5.97
SLC16A2	4.37	15.32
SLC16A3	3.6	20.1
SLC16A4	2.529	0.37
SLC16A5	1.929	1.96
SLC16A6	2.659	0
SLC16A7	3.541	0.33
SLC16A8	1.875	1.75

SLC16A9	3.646	2.01
SLC17A1	1.548	0
SLC17A2	2.27	0
SLC17A3	1.75	0
SLC17A4	2.598	0
SLC17A5	3.273	0.62
SLC17A6	3.919	0
SLC17A7	2.949	0.08
SLC17A8	3.846	0
SLC18A1	2.747	0
SLC18A2	1.894	0
SLC18A3	2.419	0
SLC19A1	4.332	7.45
SLC19A2	3.651	0.03
SLC19A3	3.767	0
SLC1A1	3.722	0.03
SLC1A2	11.696	0
SLC1A3	3.936	0.69
SLC1A4	4.502	6.42
SLC1A5	2.844	35.6
SLC1A6	1.719	0
SLC1A7	2.637	0
SLC20A1	3.286	13.77
SLC20A2	3.656	4.95
SLC22A1	2.109	0.04
SLC22A10	2.187	0
SLC22A11	2.512	0
SLC22A12	4.413	0
SLC22A13	2.527	0
SLC22A14	2.201	0.04
SLC22A15	4.07	0
SLC22A16	1.971	14.91
SLC22A17	3.002	0.03
SLC22A18	1.613	9.61
SLC22A18AS	1.341	0.31
SLC22A2	4.746	0
SLC22A3	5.624	0.09
SLC22A4	2.192	0.34
SLC22A5	3.237	0.93
SLC22A6	2.889	0
SLC22A7	2.559	0.03
SLC22A8	2.178	0
SLC22A9	2.327	0
SLC23A1	2.388	2.18
SLC23A2	7.056	6.1
SLC23A3	1.935	0.04
SLC24A1	5.377	8.04
SLC24A2	2.221	0
SLC24A3	3.889	0
SLC24A4	4.718	0.02

SLC24A5	1.617	0
SLC24A6	4.073	11.08
SLC25A1	1.583	34.06
SLC25A10	1.885	3.93
SLC25A11	1.49	42.97
SLC25A12	2.95	3.77
SLC25A13	6.272	1.27
SLC25A14	1.661	3.4
SLC25A15	1.621	3.32
SLC25A16	2.543	1.43
SLC25A17	2.266	4.57
SLC25A18	2.087	0.08
SLC25A19	1.651	8.27
SLC25A2	1.417	0.18
SLC25A20	1.787	30.41
SLC25A20P	1.716	1.47
SLC25A21	1.995	0.08
SLC25A22	2.754	7.09
SLC25A23	3.46	1.56
SLC25A24	3.83	3.45
SLC25A25	4.162	12.47
SLC25A26	2.617	3.6
SLC25A27	2.007	0.04
SLC25A28	1.889	18.02
SLC25A29	3.445	16.21
SLC25A3	4.66	74.51
SLC25A30	1.716	11.83
SLC25A31	1.793	0.05
SLC25A32	2.827	3.58
SLC25A33	1.461	4.85
SLC25A34	3.07	0.71
SLC25A35	2.785	3.14
SLC25A36	2.672	7.19
SLC25A37	2.154	15.48
SLC25A38	2.003	12.83
SLC25A39	1.55	71.63
SLC25A4	1.326	4.77
SLC25A40	3.243	2.52
SLC25A41	1.63	0
SLC25A42	3.117	6.54
SLC25A43	2.776	1.58
SLC25A44	3.463	7.05
SLC25A45	2.432	2.18
SLC25A46	2.326	6.12
SLC25A5	1.225	230.01
SLC25A6	1.439	757.54
SLC25A6P1	0.725	0
SLC26A1	4.187	0.31
SLC26A10	3.04	0
SLC26A11	2.872	0.79

SLC26A2	7.36	0.86
SLC26A3	5.709	0
SLC26A4	9.857	0.01
SLC26A5	6.108	0
SLC26A6	3.514	2.95
SLC26A7	5.764	0.02
SLC26A8	3.94	0.04
SLC26A9	6.979	0.2
SLC27A1	3.547	12.42
SLC27A2	2.343	0.21
SLC27A3	2.413	48.21
SLC27A4	2.948	9.37
SLC27A5	2.277	1.15
SLC27A6	3.234	0
SLC28A1	3.41	0
SLC28A2	2.458	0.07
SLC28A3	2.209	0.03
SLC29A1	2.162	4.01
SLC29A2	2.515	2.95
SLC29A3	2.24	7.1
SLC29A4	5.72	0.08
SLC2A1	2.855	24.34
SLC2A10	4.236	0.1
SLC2A11	2.314	3.46
SLC2A12	5.599	0.09
SLC2A13	7.003	0.11
SLC2A14	2.195	0.61
SLC2A2	3.439	0
SLC2A3	3.914	9.88
SLC2A3P2	2.704	0.35
SLC2A4	3.149	0.03
SLC2A4RG	2.279	6.06
SLC2A5	2.219	202.52
SLC2A6	2.487	0.65
SLC2A7	1.575	1.28
SLC2A8	2.118	0.08
SLC2A9	3.592	16.37
SLC30A1	2.018	1.88
SLC30A10	4.655	0
SLC30A2	2.473	0
SLC30A3	2.093	0
SLC30A4	4.287	0.15
SLC30A5	3.979	6.46
SLC30A6	2.707	1.99
SLC30A7	5.867	0.62
SLC30A8	5.373	0
SLC30A9	3.261	5.22
SLC31A1	4.718	4.96
SLC31A2	1.693	3.54
SLC32A1	2.574	0.03

SLC33A1	2.659	6.46
SLC34A1	2.563	0.03
SLC34A2	2.25	0
SLC34A3	2.124	0.12
SLC35A1	1.844	6.08
SLC35A2	2.751	8.69
SLC35A3	2.149	1.33
SLC35A4	2.657	38.8
SLC35A5	2.94	5.13
SLC35B1	1.186	24.72
SLC35B2	2.024	24.56
SLC35B3	2.04	4.91
SLC35B4	13.59	1.92
SLC35C1	2.793	8.09
SLC35C2	2.824	14.97
SLC35D1	1.272	1.12
SLC35D2	1.571	10.72
SLC35D3	2.359	0
SLC35E1	3.858	8.12
SLC35E2	1.545	5.94
SLC35E3	2.552	11.26
SLC35E4	1.266	0.54
SLC35F1	4.844	0
SLC35F2	2.91	7.61
SLC35F3	2.891	0.06
SLC35F4	1.779	0
SLC35F5	2.855	1.48
SLC36A1	5.773	0.25
SLC36A2	3.389	0
SLC36A3	2.456	0
SLC36A4	2.465	0.37
SLC37A1	3.094	6.65
SLC37A2	2.696	0.22
SLC37A3	10.129	1.7
SLC37A4	2.52	7.62
SLC38A1	7.965	59.82
SLC38A2	4.786	20.93
SLC38A3	2.437	0
SLC38A4	3.942	0.04
SLC38A5	2.655	9.23
SLC38A6	1.516	0.94
SLC39A1	2.427	28.53
SLC39A10	5.227	4.74
SLC39A11	2.737	7.44
SLC39A12	2.635	0.13
SLC39A13	2.289	14.13
SLC39A14	4.611	7.55
SLC39A2	1.358	0
SLC39A3	4.158	8.8
SLC39A4	3.124	4.88

SLC39A5	5.464	10.28
SLC39A6	2.733	7.06
SLC39A7	7.077	0
SLC39A8	3.292	10.88
SLC39A9	4.293	8.28
SLC3A1	2.3	0.59
SLC3A2	3.127	41.27
SLC40A1	3.431	1.38
SLC41A1	4.854	34.02
SLC41A2	2.418	0.03
SLC41A3	3.087	18.23
SLC43A1	2.498	18.95
SLC43A2	3.001	4.21
SLC43A3	2.822	94.41
SLC44A1	4.4	48.26
SLC44A2	3.373	48.6
SLC44A3	2.061	1.35
SLC44A4	8.967	0
SLC44A5	2.288	0.11
SLC45A1	2.401	0
SLC45A2	3.226	0
SLC45A3	3.382	25.98
SLC45A4	8.831	0.19
SLC4A1	3.636	10.12
SLC4A10	3.931	0
SLC4A11	3.094	0.52
SLC4A1AP	2.954	8.04
SLC4A2	8.112	9.26
SLC4A3	4.685	0
SLC4A4	7.588	0
SLC4A5	4.034	0.33
SLC4A7	7.757	0.54
SLC4A8	6.107	0.03
SLC4A9	3.086	0.03
SLC5A1	2.45	0
SLC5A10	2.201	0.2
SLC5A11	2.35	0.03
SLC5A12	2.269	0
SLC5A2	2.271	1.93
SLC5A3	2.157	4.72
SLC5A4	2.02	0
SLC5A5	2.49	0.03
SLC5A6	3.145	19.37
SLC5A7	5.146	0
SLC5A8	3.982	0
SLC5A9	3.227	0.05
SLC6A1	4.46	0
SLC6A10P	11.506	0
SLC6A11	1.991	0
SLC6A12	3.372	0.03

SLC6A13	2.185	0
SLC6A14	4.519	0
SLC6A15	7.991	0
SLC6A16	2.936	0.2
SLC6A17	6.42	0
SLC6A18	2.12	0
SLC6A19	1.905	0.14
SLC6A2	3.347	0
SLC6A20	5.358	0.11
SLC6A3	3.932	0
SLC6A4	2.756	0.06
SLC6A5	2.716	0
SLC6A6	5.542	11.29
SLC6A6P	1.803	0.14
SLC6A7	3.739	0
SLC6A8	3.917	0.95
SLC6A9	3.647	1.41
SLC7A1	7.239	4.23
SLC7A10	1.897	0.04
SLC7A11	9.648	0.02
SLC7A13	1.865	0
SLC7A14	2.909	0
SLC7A2	7.633	0.01
SLC7A3	2.223	0
SLC7A4	2.311	0
SLC7A5	4.543	83.66
SLC7A6	6.25	18.52
SLC7A6OS	1.607	13.05
SLC7A7	2.447	0.62
SLC7A8	4.485	0.56
SLC7A9	1.76	0
SLC8A1	3.194	1.34
SLC8A2	4.282	0.42
SLC8A3	5.853	0
SLC9A1	4.517	12.93
SLC9A10	4.123	0
SLC9A11	4.367	0.33
SLC9A2	5.442	0.02
SLC9A3	2.584	0.55
SLC9A3P2	1.894	0
SLC9A3R1	1.984	75.32
SLC9A3R2	2.097	43.63
SLC9A4	4.134	0
SLC9A5	3.726	0
SLC9A6	4.454	2.99
SLC9A7	2.856	4.81
SLC9A8	6.255	2.44
SLC9A9	3.543	14.22
SLCO1A2	4.427	0
SLCO1B1	2.779	0

SLCO1B3	2.631	0
SLCO1C1	3.365	0
SLCO2A1	4.031	0.19
SLCO2B1	4.068	74.98
SLCO3A1	2.74	0.12
SLCO4A1	2.776	1.95
SLCO4C1	5.334	0.05
SLCO5A1	3.692	0
SLCO6A1	2.524	0
SLFN11	4.896	3.97
SLFN12	2.383	0.36
SLFN13	8.385	3.6
SLFN14	2.739	0.28
SLFN5	2.836	2.4
SLFNL1	1.953	0.87
SLIC1	2.449	11.14
SLIT1	5.342	0.5
SLIT2	4.95	0
SLIT3	5.015	0
SLITRK1	5.186	0
SLITRK2	5.009	0
SLITRK3	4.222	0
SLITRK4	3.383	0
SLITRK5	4.447	0
SLITRK6	4.181	0
SLK	5.988	4.72
SLMAP	4.42	4.19
SLMO1	1.682	0.35
SLMO2	2.527	13.3
SLN	0.717	0
SLPI	0.598	1.83
SLTM	5.744	14.74
SLU7	2.331	15.07
SLURP1	0.537	0
SMA4	2.362	0
SMA5	3.523	0
SMAD1	3.12	3.7
SMAD2	5.466	9.97
SMAD3	6.235	14.86
SMAD4	3.474	9.14
SMAD5	7.095	1.05
SMAD6	2.907	0.08
SMAD7	3.087	5.02
SMAD9	1.925	0
SMAF1	0.77	0
SMAP1	3.129	7.56
SMAP1L	2.841	68.82
SMARCA1	4.285	0
SMARCA2	6.034	28.13
SMARCA4	5.681	58.73

SMARCA5	4.109	22.81
SMARCAD1	4.916	3.46
SMARCAL1	3.04	5.98
SMARCB1	1.815	105.26
SMARCC1	5.749	24.95
SMARCC2	4.215	29.02
SMARCD1	3.331	32.27
SMARCD2	2.704	65.48
SMARCD3	3.84	0.42
SMARCE1	2.425	52.07
SMC1A	9.725	15.84
SMC1B	4.253	0.18
SMC2	4.529	5.65
SMC3	4.112	10.47
SMC4	7.052	14.04
SMC5	3.492	2.8
SMC6	5.134	19.23
SMCHD1	8.462	4.15
SMCP	0.77	0
SMCR7	3.639	1.53
SMCR7L	5.699	6.03
SMCR8	3.206	2.05
SMCYP	0.875	0
SMEK1	4.433	10.56
SMEK2	4.409	11.63
SMEK3P	3.133	0
SMG1	15.725	4.51
SMG5	4.563	20.58
SMG6	5.913	9.59
SMG7	6.728	12.44
SMN1	3.246	0.29
SMN2	4.398	0.09
SMNDC1	2.019	10.1
SMNP	0.832	5.06
SMO	7.476	4.57
SMOC1	3.683	0.09
SMOC2	2.947	0.14
SMOX	2.875	11.4
SMPD1	3.272	4.43
SMPD2	1.68	13.09
SMPD3	5.264	1.12
SMPD4	5.244	9.27
SMPDL3A	1.742	0.05
SMPDL3B	2.405	0.1
SMPX	0.886	0
SMR3A	0.598	0
SMR3B	0.785	0
SMS	1.688	21.66
SMTN	3.671	3.71
SMTNL1	2.062	0.29

SMTNL2	1.919	0.04
SMU1	1.702	12.22
SMUG1	1.57	5.47
SMURF1	11.823	2.99
SMURF2	3.866	2.35
SMYD1	4.347	0
SMYD2	1.671	8.42
SMYD3	1.458	7.74
SMYD4	4.229	2.31
SMYD5	2.543	8.34
SNAG1	2.183	11.77
SNAI1	1.695	22.56
SNAI1L1	1.666	0.36
SNAI2	2.101	0.2
SNAI3	1.629	0.67
SNAP23	2.307	19.64
SNAP23P	0.246	8.56
SNAP25	2.171	0
SNAP29	2.869	8.6
SNAP91	4.369	0
SNAPAP	0.96	31.94
SNAPC1	2.564	1.58
SNAPC2	1.513	8.51
SNAPC3	3.095	3.65
SNAPC4	4.65	4.68
SNAPC5	0.965	14.06
SNCA	2.3	2.2
SNCAIP	3.569	0
SNCB	1.45	0.29
SNCG	0.697	0.12
SND1	7.016	38.6
SNED1	6.834	0.17
SNF1LK	4.712	11.42
SNF1LK2	5.681	2.55
SNF8	1.214	32.61
SNFT	0.98	1.8
SNHG5	0.435	50.35
SNHG6	0.472	148.66
SNHG8	0.874	8.57
SNIP	4.114	0
SNIP1	2.471	2.66
SNN	3.274	5.35
SNORA1	0.13	0
SNORA10	0.133	4.44
SNORA11	0.131	0.65
SNORA12	0.147	2.87
SNORA13	0.133	0
SNORA14A	0.268	0
SNORA14B	0.135	0
SNORA15	0.266	0

SNORA16A	0.134	2.52
SNORA17	0.464	23.06
SNORA18	0.132	0
SNORA19	0.128	0
SNORA20	0.132	0
SNORA21	0.133	1.27
SNORA22	0.268	0.94
SNORA23	0.189	0
SNORA24	0.719	140.82
SNORA26	0.265	13.66
SNORA27	0.126	0
SNORA28	0.126	0
SNORA29	0.14	0
SNORA2A	0.135	0
SNORA2B	0.137	0.61
SNORA3	0.13	0.65
SNORA30	0.129	0
SNORA31	0.13	3.24
SNORA33	0.133	5.06
SNORA34	0.137	1.23
SNORA35	0.128	0
SNORA36A	0.132	1.27
SNORA37	0.129	0
SNORA38	0.396	0
SNORA4	0.137	2.46
SNORA40	0.127	0.66
SNORA41	0.132	0.64
SNORA42	0.134	0
SNORA43	0.533	20.39
SNORA44	0.132	5.11
SNORA45	0.131	3.22
SNORA46	0.135	0
SNORA47	0.138	3.05
SNORA48	0.135	17.48
SNORA49	0.137	0
SNORA50	0.136	0
SNORA51	0.132	1.27
SNORA52	0.134	6.29
SNORA53	0.25	0
SNORA54	0.123	2.06
SNORA55	0.137	0
SNORA56	0.129	2.61
SNORA58	0.137	0
SNORA59B	0.152	2.77
SNORA5A	0.268	0.31
SNORA5B	0.264	0
SNORA5C	0.274	0.61
SNORA6	0.149	0.57
SNORA60	0.136	0
SNORA61	0.13	3.89

SNORA62	0.154	1.1
SNORA63	0.135	6.86
SNORA64	0.134	7.55
SNORA65	0.136	2.48
SNORA66	0.133	3.17
SNORA67	0.137	21.52
SNORA68	0.133	5.06
SNORA69	0.132	0
SNORA70	0.135	11.23
SNORA71A	0.138	5.49
SNORA71B	0.448	16.55
SNORA71C	0.138	0
SNORA71D	0.463	9.82
SNORA72	0.132	0.64
SNORA73A	0.207	38.25
SNORA74A	0.2	0
SNORA74B	0.204	0
SNORA75	0.137	0.61
SNORA76	0.486	63.78
SNORA77	0.125	0.67
SNORA78	0.127	0.66
SNORA79	0.14	0
SNORA7B	0.139	1.22
SNORA8	0.139	2.42
SNORA80	0.136	0
SNORA81	0.178	0.48
SNORA9	0.633	12.25
SNORD10	0.148	3.99
SNORD100	0.1	0
SNORD101	0.1	0
SNORD102	0.1	2.52
SNORD107	0.1	0
SNORD108	0.1	0
SNORD109A	0.1	0
SNORD109B	0.1	0
SNORD11	0.1	0
SNORD115@	0.1	0
SNORD115-1	0.1	0
SNORD116@	0.1	0
SNORD116-19	0.1	0
SNORD12	0.511	153.14
SNORD13	0.104	1.62
SNORD14A	0.1	1.68
SNORD14B	0.1	0.84
SNORD15A	0.148	0.57
SNORD15B	0.146	2.31
SNORD16	0.1	0.84
SNORD18A	0.1	0
SNORD18B	0.1	0
SNORD18C	0.1	0.84

SNORD2	0.1	0
SNORD20	0.1	2.52
SNORD21	0.1	0.84
SNORD22	0.789	43.66
SNORD25	0.1	2.52
SNORD26	0.1	3.37
SNORD27	0.174	20.82
SNORD28	0.1	1.68
SNORD29	0.1	0.84
SNORD30	0.1	0
SNORD31	0.1	3.37
SNORD32A	0.1	9.26
SNORD33	0.1	5.9
SNORD34	0.1	6.74
SNORD35A	0.1	8.42
SNORD35B	0.1	5.9
SNORD37	0.1	0
SNORD38A	0.1	4.21
SNORD38B	0.1	5.06
SNORD41	0.1	0
SNORD42A	0.1	0
SNORD42B	0.1	0.84
SNORD43	0.1	0
SNORD44	0.1	4.21
SNORD45A	0.1	0
SNORD45B	0.1	0
SNORD46	0.1	1.68
SNORD47	0.1	2.52
SNORD48	0.19	0
SNORD49A	0.1	2.52
SNORD49B	0.1	63.18
SNORD4A	0.1	0.84
SNORD4B	0.1	1.68
SNORD5	0.1	0
SNORD50A	0.1	0.84
SNORD51	0.1	0
SNORD52	0.192	0
SNORD53	0.503	13.73
SNORD54	0.1	1.68
SNORD55	0.1	3.37
SNORD56	0.1	7.58
SNORD57	0.1	0
SNORD58A	0.1	0.84
SNORD59A	0.1	1.68
SNORD6	0.1	0
SNORD60	0.453	33.29
SNORD61	0.1	0
SNORD62A	4.127	17.57
SNORD63	0.1	2.52
SNORD64	0.1	0

SNORD68	0.1	9.26
SNORD7	0.3	13.76
SNORD72	0.1	0
SNORD73A	0.1	4.21
SNORD73B	0.1	0
SNORD74	0.1	2.52
SNORD8	0.109	0
SNORD83A	0.1	0
SNORD83B	0.1	5.06
SNORD87	0.1	7.58
SNORD9	0.103	0.82
SNORD95	0.1	3.37
SNORD96A	0.1	0
SNPH	4.994	0
SNRK	5.119	5.69
SNRP70	5.239	50.95
SNRPA	1.606	69.34
SNRPA1	1.059	7.96
SNRPB	1.312	77.82
SNRPB2	1.362	21.89
SNRPC	0.71	66.33
SNRPD1	1.6	37.33
SNRPD2	1.159	138.75
SNRPD3	1.385	53.88
SNRPE	1.547	12.53
SNRPEL1	0.279	6.64
SNRPF	0.793	56.83
SNRPF1	0.255	33.04
SNRPG	0.58	25.56
SNRPGP	0.388	0
SNRPN	2.169	18.26
SNTA1	2.34	1.62
SNTB1	2.979	0.23
SNTB2	1.7	0.7
SNTG1	1.889	0
SNTG2	1.412	0.54
SNUPN	1.434	18.56
SNURF	1.351	48.26
SNW1	2.127	32.04
SNX1	8.221	10.71
SNX10	5.156	0.21
SNX11	2.656	5.27
SNX12	1.927	13.6
SNX13	10.2	1.56
SNX14	3.505	5.22
SNX15	1.909	12.53
SNX16	3.37	0.42
SNX17	2.043	59.2
SNX19	6.049	10.09
SNX2	2.069	93.19

SNX21	4.558	1.9
SNX22	3.614	18.6
SNX24	2.024	0.17
SNX25	3.213	0.55
SNX26	4.18	9.05
SNX27	7.085	5.33
SNX3	1.463	72.55
SNX30	5.9	0.82
SNX4	2.524	4.64
SNX5	3.098	34.32
SNX6	3.3	13.33
SNX7	2.695	18.69
SNX8	2.988	29.34
SNX9	4.2	6.14
SOAT1	3.393	3.77
SOAT2	2.035	0
SOCS1	1.216	15.03
SOCS2	3.058	151.42
SOCS2P1	0.902	0.09
SOCS2P2	1.64	0
SOCS3	2.734	4.71
SOCS4	7.013	0.98
SOCS5	4.662	2.02
SOCS6	2.635	2.24
SOCS7	2.153	0.93
SOD1	0.966	145.71
SOD2	1.795	13.47
SOD3	1.984	0
SOHLH1	1.987	0.17
SOHLH2	2.108	0.2
SOLH	4.744	18.5
SON	9.673	28.96
SONP1	2.49	9.57
SORBS1	8.027	0.65
SORBS2	6.818	0
SORBS3	4.199	38.23
SORCS1	11.056	0
SORCS2	5.955	0.02
SORCS3	5.757	0
SORD	2.515	10.85
SORL1	7.957	4.55
SORT1	7.018	23.38
SOS1	4.326	4.34
SOS2	3.999	5.54
SOST	2.3	0
SOSTDC1	3.738	0
SOX1	4.108	0
SOX10	2.862	0
SOX11	8.719	0
SOX12	4.63	19.03

SOX13	4.073	0.1
SOX14	0.818	0
SOX15	1.394	0.31
SOX17	1.825	0
SOX18	1.705	0.14
SOX2	2.503	0
SOX21	2.514	0
SOX20T	3.042	0.03
SOX3	2.074	0
SOX30	4.308	0
SOX4	4.879	26.86
SOX5	4.946	0
SOX5P	1.45	0
SOX6	5.937	0.07
SOX7	3.216	0.39
SOX8	3.049	0.03
SOX9	3.935	0
SP1	7.661	14.13
SP100	3.558	7.22
SP110	2.683	9.23
SP140	3.567	2.93
SP2	2.968	13.91
SP3	5.79	7.45
SP4	11.622	0.4
SP5	1.942	0
SP6	3.794	0.07
SP7	2.974	0.06
SP8	10.682	0
SPA17	0.94	0.54
SPA17P1	0.689	0.12
SPACA1	1.499	0
SPACA3	0.819	0
SPACA4	0.972	0.08
SPACA5	0.732	0
SPACA5B	0.732	0
SPAG1	3.936	0.03
SPAG11	1.761	0
SPAG11A	2.182	0
SPAG16	2.933	0.37
SPAG17	7.111	0.03
SPAG4	1.452	0.35
SPAG4L	1.252	0
SPAG5	3.808	8.18
SPAG6	3.586	0
SPAG7	1.001	30.97
SPAG8	2.332	0.54
SPAG9	5.877	3.09
SPAM1	6.062	0.03
SPANXA1	0.384	0
SPANXA2	0.63	0

SPANXB1	0.469	0
SPANXC	0.404	0
SPANXD	0.384	0
SPANXE	0.441	0
SPANXN1	1.276	0
SPANXN2	1.377	0
SPANXN3	0.594	0
SPANXN4	0.3	0
SPANXN5	1.316	0
SPARC	3.141	29.02
SPARCL1	2.756	0.09
SPAST	5.213	1.65
SPATA1	1.509	0.17
SPATA12	2.413	0
SPATA13	3.503	1.42
SPATA16	2.05	0
SPATA17	1.235	0
SPATA18	4.3	0
SPATA19	0.866	0
SPATA2	4.045	2.86
SPATA20	2.607	8.89
SPATA21	2.528	22.02
SPATA22	1.457	0
SPATA2L	2.317	2.11
SPATA3	1.618	0
SPATA4	1.233	0
SPATA5	3.341	1.06
SPATA5L1	2.509	1.81
SPATA6	1.739	0
SPATA7	1.993	1.31
SPATA8	1.026	0
SPATA9	1.82	0.09
SPATC1	2.011	0.13
SPATS1	1.354	0
SPATS2	2.993	7.01
SPC24	2.289	11.55
SPC25	1.346	3.26
SPCS1	1.096	67.56
SPCS2	1.37	23.8
SPCS3	2.234	8.22
SPDEF	1.894	0
SPDYA	2.438	0.03
SPDYC	0.882	0
SPECC1	4.706	4.19
SPECC1L	6.211	8.15
SPEG	0.519	0
SPEN	12.227	8.8
SPERT	1.613	0
SPESP1	1.403	0.12
SPG20	4.822	5.24

SPG21	1.798	30.12
SPG3A	2.245	0.75
SPG7	4.039	13.89
SPHAR	0.968	0.17
SPHK1	2.997	12.14
SPHK2	2.963	7.88
SPI1	1.373	88.72
SPIB	1.448	3.43
SPIC	0.999	0
SPIN1	3.473	25.32
SPIN2A	1.319	0.7
SPIN2B	1.518	2.72
SPIN3	1.642	0
SPINK1	0.438	0
SPINK2	0.591	0.29
SPINK4	0.368	0.46
SPINK5	3.61	0
SPINK5L2	0.294	0
SPINK5L3	0.285	0
SPINK6	0.686	0
SPINK7	0.55	0
SPINK8	0.44	0
SPINK9	0.453	0
SPINLW1	2.691	0
SPINT1	2.755	0.34
SPINT2	1.695	103.96
SPINT4	0.514	0
SPIRE1	5.402	0.11
SPIRE2	3.244	0.15
SPN	6.973	18.88
SPO11	1.817	0
SPOCD1	3.888	0
SPOCK1	4.827	0
SPOCK2	5.305	49.71
SPOCK3	2.989	0
SPON1	4.754	0.25
SPON2	1.802	2.15
SPOP	3.141	16.44
SPP1	1.625	0.1
SPP2	1.019	0
SPPL2A	1.929	4.89
SPPL2B	3.641	33.46
SPR	1.42	3.86
SPRED1	3.816	2.85
SPRED2	4.097	9.75
SPRED3	0.543	0
SPRN	3.219	1.46
SPRR1A	0.648	0
SPRR1B	0.619	0
SPRR2A	0.677	0

SPRR2B	0.662	0
SPRR2D	0.79	0
SPRR2E	0.678	0
SPRR2F	0.657	0
SPRR2G	0.56	0
SPRR3	0.984	0
SPRR4	0.766	0.11
SPRY1	3.819	3.84
SPRY2	2.111	20.75
SPRY3	18.076	0.09
SPRY4	4.925	11.44
SPRYD3	2.568	9.91
SPRYD4	1.077	11.11
SPRYD5	1.269	0
SPSB1	3.075	13.15
SPSB2	1.188	5.6
SPSB3	1.544	26.35
SPSB4	2.418	7.04
SPTA1	7.999	3.35
SPTAN1	7.771	62.31
SPTB	10.436	1.1
SPTBN1	9.256	45.68
SPTBN2	7.864	0.08
SPTBN4	9.919	0.01
SPTBN5	11.722	0.09
SPTLC1	3.283	8.85
SPTLC2	8.065	25.69
SPTLC3	2.26	0
SPTY2D1	5.734	1.75
SPZ1	1.819	0
SOLE	2.99	2.2
SQRDL	1.672	1.91
SQSTM1	2.848	34.93
SR140	7.464	7.8
SRA1	1.511	11.65
SR-A1	4.193	29.23
SRBD1	3.663	3.87
SRC	4.201	2.73
SRCAP	9.914	14.71
SRCRB4D	5.612	0.43
SRD5A1	2.264	1.19
SRD5A2	2.445	0
SRD5A2L	2.272	3.71
SRD5A2L2	3.571	0
SRD5AP1	2.158	0.12
SREBF1	4.278	9.87
SREBF2	5.226	23.53
SRF	4.318	19.62
SRFBP1	2.17	2.64
SRGAP1	4.436	0

SRGAP2	7.009	9.5
SRGAP3	14.332	0.2
SRGN	1.254	83.57
SRI	4.19	5.95
SRIL	0.483	2.27
SRL	5.587	0.47
SRM	1.273	107.26
SRMP1	0.885	2.28
SRMP2	1.117	0
SRMS	1.516	0
SRP14	0.775	191.4
SRP14P1	0.332	61.91
SRP19	0.886	21.01
SRP54	2.149	11.8
SRP68	2.515	30.68
SRP72	3.848	20.67
SRP9	1.476	31.56
SRPK1	4.361	6.84
SRPK2	8.019	4.12
SRPK3	1.948	0.21
SRPR	2.946	57.07
SRPRB	2.137	19.67
SRPX	1.853	0
SRPX2	2.132	0
SRR	2.477	6.19
SRRM1	3.923	22.31
SRRM2	9.027	86.24
SRrp35	0.995	0
SRXN1	2.574	0.55
SRY	0.897	0.37
SS18	3.436	8.97
SS18L1	7.038	1.24
SS18L2	0.818	16.99
SSB	1.643	35.89
SSBP1	1.256	27.36
SSBP2	2.168	29.6
SSBP3	5.025	12.15
SSBP4	2.033	8.53
SSFA2	4.961	3.03
SSH1	5.277	2.89
SSH2	9.166	10.75
SSH3	3.967	1.04
SSNA1	0.858	62.74
SSPN	2.695	0.47
SSPO	12.25	0.2
SSR1	4.033	29.34
SSR2	1.092	182.13
SSR3	3.064	17.68
SSR4	0.637	261.96
SSRP1	2.819	64.48

SSSCA1	0.654	27.69
SST	0.632	0
SSTR1	4.291	0.08
SSTR2	2.996	0
SSTR3	2.123	0
SSTR4	1.167	0
SSTR5	1.095	0
SSU72	2.403	44.87
SSX1	1.253	0
SSX2	1.553	0
SSX2IP	5.631	0.22
SSX3	1.513	0.06
SSX4	1.91	0
SSX4B	1.902	0
SSX5	1.384	0
SSX6	1.281	0
SSX7	1.34	0
SSX8	1.254	0
SSX9	1.23	0
ST13	3.196	15.89
ST13P	1.73	0
ST14	3.3	14.27
ST18	6.187	0
ST3GAL1	6.415	13.39
ST3GAL2	2.479	5.85
ST3GAL3	3.909	14.83
ST3GAL4	1.743	4.59
ST3GAL5	2.362	9.98
ST3GAL6	2.095	0.08
ST5	4.705	3.06
ST6GAL1	4.629	14.87
ST6GAL2	1.794	0
ST6GALNAC1	2.544	0.03
ST6GALNAC2	2.04	2.85
ST6GALNAC3	3.207	0.05
ST6GALNAC4	2.104	18.7
ST6GALNAC5	2.032	0
ST6GALNAC6	2.398	30.28
ST7	6.322	1.4
ST7L	4.861	3.02
ST7OT1	3.778	1.51
ST7OT2	1.836	0.27
ST7OT4	3.148	0.08
ST8SIA1	2.106	0
ST8SIA2	5.626	0
ST8SIA3	3.504	0
ST8SIA4	7.328	2.04
ST8SIA5	2.623	0.54
ST8SIA6	1.398	0.06
STAB1	7.926	74.67

STAB2	8.23	0
STAC	2.963	0
STAC2	3.211	0
STAC3	1.643	2.67
STAG1	5.505	4.28
STAG2	5.925	14.91
STAG3	8.41	24.8
STAM	2.966	6.85
STAM2	3.91	2.67
STAMBP	2.618	9.53
STAMBPL1	1.997	1.27
STAP2	1.612	12.38
STAR	2.826	0.15
STARD10	1.419	5.23
STARD13	6.771	0.87
STARD3	2.285	34.76
STARD3NL	3.234	5.94
STARD4	2.264	0.78
STARD5	2.187	1.73
STARD6	0.663	0
STARD7	3.776	48.03
STARD8	4.858	3.92
STARD9	15.083	0.74
STARP1	1.104	0
STAT1	4.504	8.68
STAT2	4.426	15.55
STAT3	7.832	11.96
STAT4	2.761	0.12
STAT5A	4.298	10.78
STAT5B	5.094	11.66
STAT6	3.979	68.11
STATH	0.6	0
STATIP1	2.757	12.68
STAU1	4.177	15.23
STAU2	4.042	2.54
STC1	3.877	0
STC2	5.343	8.04
STCH	3.987	2.57
STEAP1	2.626	0.13
STEAP2	13.714	0
STEAP3	4.853	0.42
STEAP4	4.88	0.02
STELLAR	1.219	0
STGC3	1.232	0
STH	0.387	0
STIL	5.185	2.01
STIM1	4.037	24.14
STIM2	5.339	10.57
STIP1	2.111	93.69
STK10	4.801	31.2

STK11	3.276	25.04
STK11IP	3.602	9.57
STK16	1.718	19.57
STK16P	1.55	0.22
STK17A	5.286	5.18
STK17B	2.141	15.26
STK19	5.184	0
STK19P	0.915	0
STK24	3.855	42.2
STK25	2.468	31.88
STK3	2.82	3.73
STK31	7.728	0
STK32A	0.798	0
STK32B	4.014	35.7
STK32C	2.119	0.31
STK33	2.707	1.06
STK35	6.015	2.27
STK36	4.873	3.37
STK38	3.576	21.32
STK38L	4.706	1.88
STK39	3.273	10.68
STK4	6.331	5.99
STK40	3.846	22.47
STK6LP	1.198	0.28
STK6P	1.537	0.77
STMN1	1.918	110.72
STMN2	0.719	0
STMN3	2.255	32.2
STMN4	1.314	0
STOM	5.199	23.57
STOML1	1.986	3.56
STOML2	1.278	27.69
STOML3	1.901	0
STON1	5.822	0
STON2	3.197	1.58
STOX1	3.293	0.15
STOX2	4.654	0
STRA13	0.73	30.69
STRA6	2.772	0.09
STRA8	1.986	0
STRAP	1.849	44.24
STRBP	3.007	31.91
STRC	5.515	0.03
STRN	3.669	3.21
STRN3	3.947	3.09
STRN4	3.305	31.35
STS	6.352	4.7
STS-1	6.865	28.23
STSP	0.775	0
STT3A	2.463	62.89

STT3B	3.487	35.49
STUB1	1.602	36.28
STX10	1.085	33.85
STX11	1.916	0.48
STX12	2.847	5.06
STX16	5.029	16.47
STX17	2.662	6.08
STX18	2.158	9.64
STX19	1.158	0
STX1A	4.13	0.02
STX1B2	1.699	0.05
STX2	5.835	0.88
STX3	2.942	36.93
STX4	1.386	30.27
STX5	1.794	31.27
STX6	4.536	4.4
STX7	2.579	10.84
STX8	0.968	23.41
STXBP1	5.826	3.73
STXBP2	1.818	25.62
STXBP3	2.48	4.96
STXBP4	6.046	0.18
STXBP5	4.822	0.07
STXBP5L	5.179	0.03
STXBP6	1.97	0
STYK1	2.743	0.99
STYX	2.591	1.76
STYXL1	3.37	10.6
SUB1	1.313	31.5
SUCLA2	2.164	5.84
SUCLG1	1.227	47.92
SUCLG2	2.319	13.3
SUCNR1	1.418	0.06
SUDS3	4.728	10.08
SUFU	4.898	9.07
SUGT1	1.52	9.75
SUGT1L1	0.519	1.3
SUHW1	2.148	0.04
SUHW2	5.733	0.68
SUHW3	4.634	0.56
SUHW4	6.373	3.54
SULF1	5.7	0
SULF2	3.897	7.95
SULT1A1	2.715	1.67
SULT1A2	1.396	0.3
SULT1A3	1.755	3.65
SULT1A4	1.82	3.52
SULT1B1	1.309	0
SULT1C1	2.926	0
SULT1C2	1.664	0.05

SULT1C3	0.915	0
SULT1D1P	22	0
SULT1E1	1.78	0
SULT2A1	1.779	0
SULT2B1	1.548	0.05
SULT4A1	2.465	0
SULT6B1	0.934	0
SUMF1	2.148	4.59
SUMF2	4.01	32.6
SUMO1	2.151	16.01
SUMO1P1	1.197	0
SUMO1P2	0.944	0.18
SUMO1P3	1.21	5.15
SUMO1P4	1.458	1.68
SUMO2	1.066	43.3
SUMO2P	3.075	0
SUMO3	1.807	50.07
SUMO4	0.688	0.25
SUNC1	3.068	0
SUOX	2.462	10.03
SUPT16H	4.68	21.98
SUPT3H	2.563	6.14
SUPT4H1	3.395	35.16
SUPT5H	3.742	51.12
SUPT6H	5.877	23.67
SUPT7L	4.261	10.83
SUPV3L1	2.474	7.9
SURB7	1.753	2.88
SURF1	1.037	22.91
SURF2	0.831	17.54
SURF4	2.969	49.99
SURF5	4.882	5.74
SURF6	2.314	14.41
SUSD1	2.996	4.7
SUSD2	3.183	0.08
SUSD3	1.19	227.44
SUSD4	3.343	0.05
SUSD5	5.149	0
SUV39H1	2.726	9.36
SUV39H2	3.087	1.39
SUV420H1	6.35	5.03
SUV420H2	2.266	3.79
SUZ12	4.441	7.51
SUZ12P	38.28	0.27
SV2A	4.363	19.72
SV2B	5.311	3.5
SV2C	2.362	0.18
SVEP1	10.707	0.03
SVIL	8.547	1.26
SVOP	2.532	0

SVOPL	2.842	0
SWAP70	4.848	6.14
SYAP1	2.023	6.7
SYBL1	5.152	5.07
SYCE1	2.682	0
SYCN	1.105	0
SYCP1	3.491	0
SYCP2	5.48	0.03
SYCP3	1.122	0.3
SYDE1	3.254	8.41
SYDE2	4.02	0
SYF2	1.77	19.04
SYF2P	0.439	0.76
SYK	4.701	38.5
SYMPK	3.985	24.44
SYN1	4.271	0.22
SYN2	5.085	0
SYN3	4.19	0
SYNC1	2.479	3.94
SYNCRIP	4.282	33.58
SYNE1	29.529	0.72
SYNE2	24.122	2.56
SYNGAP1	6.01	4.1
SYNGR1	5.557	16.6
SYNGR2	1.694	32.57
SYNGR3	2.029	0.04
SYNGR4	1.009	0.08
SYNJ1	10.147	0.76
SYNJ2	6.738	2.36
SYNJ2BP	1.55	5.92
SYNPO	3.524	0.76
SYNPO2	7.295	0.03
SYNPO2L	3.47	0.05
SYNPR	2.336	0
SYP	2.433	0.52
SYPL1	4.67	14.43
SYPL2	1.665	0.05
SYT1	3.225	1.59
SYT10	3.286	0
SYT11	5.096	5.08
SYT12	3.432	0
SYT13	5.08	0
SYT14	2.966	0
SYT15	5.122	0.41
SYT16	1.878	0
SYT17	1.912	0
SYT2	2.434	0
SYT3	2.915	0.41
SYT4	3.825	0
SYT5	1.825	0

SYT6	1.897	0
SYT7	4.532	0.02
SYT8	1.423	0
SYT9	3.955	0
SYTL1	1.898	22.37
SYTL2	7.493	0.06
SYTL3	2.223	0.34
SYTL4	3.885	0.08
SYTL5	2.193	0
SYVN1	3.222	39.27
T	2.518	0
TAAR1	1.02	0
TAAR2	1.056	0
TAAR3	1.114	0
TAAR4P	1.049	0
TAAR5	1.014	0
TAAR6	1.038	0
TAAR7P	0.21	0
TAAR8	1.029	0
TAAR9	1.049	0
TAC1	2.168	0
TAC3	1.008	0.17
TAC4	0.225	0.37
TACC1	7.743	7.8
TACC2	10.096	0.88
TACC3	2.783	30.51
TACR1	2.301	0
TACR2	1.197	0.07
TACR3	1.753	0
TACSTD1	1.528	0.05
TACSTD2	2.803	0.39
TADA1L	2.074	3.78
TADA2L	2.063	3.19
TADA3L	3.323	18.23
TAF1	6.404	5.46
TAF10	0.762	133.31
TAF11	1.533	11.86
TAF12	1.09	21.71
TAF13	0.577	2.77
TAF13P	0.294	0
TAF15	2.518	159.94
TAF1A	2.116	0.56
TAF1B	2.297	2.31
TAF1C	4.425	9.08
TAF1L	6.216	1.22
TAF2	5.019	2.7
TAF2GL	0.753	0.22
TAF3	7.355	2.86
TAF4	4.628	7.5
TAF4B	4.772	2.33

TAF5	3.268	2.44
TAF5L	6.848	3.27
TAF6	6.672	8.29
TAF6L	2.016	8.48
TAF7	2.295	85.56
TAF7L	2.341	0
TAF9	5.584	5.96
TAF9B	2.689	4.79
TAF9P1	1.38	0
TAF9P2	1.216	0
TAGAP	3.956	27.66
TAGLN	1.666	1.72
TAGLN2	1.36	179.75
TAGLN3	1.754	0
tAKR	0.918	1.56
TAL1	5.001	0.5
TAL2	0.327	0.25
TALDO1	1.243	106.46
TANC1	7.507	0.37
TANC2	11.577	0.03
TA-NFKBH	1.834	1.24
TANK	2.394	4.44
TAOK1	4.816	1.94
TAOK2	6.759	9.01
TAOK3	4.185	12.8
TAP1	8.856	0.94
TAP2	18.495	0.05
TAPBP	17.132	0
TAPBPL	1.718	22.6
TAPT1	3.682	11.64
TARBP1	5.13	6.73
TARBP2	2.244	11.9
TARBP2P	1.049	1.21
TARDBP	4.217	26.44
TARP	3.89	2.34
TARS	2.85	21.46
TARS2	2.38	10.76
TARSL2	3.294	3.86
TAS1R1	4.266	0
TAS1R2	2.521	0
TAS1R3	2.559	0.43
TAS2R1	1.355	0
TAS2R10	0.924	0.18
TAS2R12	0.948	0.18
TAS2R13	1.637	0
TAS2R14	0.954	0.36
TAS2R15	0.903	0.09
TAS2R16	1.992	0
TAS2R2	1.82	0
TAS2R3	2.202	0

TAS2R38	2.286	0.3
TAS2R39	2.028	0
TAS2R4	1.8	0.09
TAS2R40	1.944	0
TAS2R41	1.844	0
TAS2R42	1.964	12.05
TAS2R43	0.928	0
TAS2R44	0.928	0.09
TAS2R46	0.899	0.09
TAS2R48	0.9	0.19
TAS2R49	0.93	0.09
TAS2R5	2.3	0.11
TAS2R50	0.9	0
TAS2R60	1.914	0
TAS2R62P	1.878	0
TAS2R63P	0.885	0
TAS2R64P	0.93	0
TAS2R65P	0.919	0
TAS2R7	1.096	0
TAS2R8	0.93	0
TAS2R9	1.075	0
TASP1	2.315	2.54
TAT	2.754	0
TATDN1	1.004	3.1
TATDN2	4.484	13.85
TATDN3	3.066	1.98
TAX1BP1	5.78	9.82
TAX1BP3	1.381	34.28
TAZ	2.881	10.06
TBC1D1	5.923	27.25
TBC1D10A	1.936	12.01
TBC1D10B	2.984	33.79
TBC1D10C	2.163	53.04
TBC1D12	5.843	0
TBC1D13	3.778	12.15
TBC1D14	4.925	34.22
TBC1D15	3.212	6.56
TBC1D16	8.455	18.06
TBC1D17	2.219	18.64
TBC1D19	1.924	1.32
TBC1D2	3.191	0.21
TBC1D20	2.539	10.02
TBC1D21	1.207	0
TBC1D22A	2.545	13.8
TBC1D22B	3.462	12.14
TBC1D23	2.065	2.61
TBC1D24	4.317	1.39
TBC1D25	4.164	4.33
TBC1D2B	5.877	3.07
TBC1D3	2.063	0.08

TBC1D3B	2.063	0
TBC1D3C	2.11	0
TBC1D3G	2.108	0
TBC1D3I	1.964	0
TBC1D3P1	9.376	0
TBC1D3P2	10.497	0
TBC1D4	5.922	5.63
TBC1D5	7.673	11.55
TBC1D7	1.127	6.73
TBC1D8	4.271	3.33
TBC1D8B	6.302	0.34
TBC1D9	5.474	6.59
TBC1D9B	5.167	30.09
TBCA	0.679	86.96
TBCAP1	0.557	38.11
TBCAP2	0.468	2.7
TBCAP3	0.432	0
TBCB	1.475	42.2
TBCC	1.575	12.3
TBCCD1	2.41	4.76
TBCD	5.343	17.86
TBCE	1.867	7.58
TBCEL	1.781	0.99
TBK1	2.982	3.03
TBKBP1	4.121	66.5
TBL1X	5.866	5.53
TBL1XR1	5.911	5.57
TBL1Y	2.407	0.14
TBL1YP	15.647	0
TBL2	6.082	3.66
TBL3	2.594	13.61
TBN	2.834	18.52
TBP	1.846	6.99
TBPL1	1.319	5.3
TBPL2	1.297	0
TBR1	3.186	0
TBRG1	3.404	5.35
TBRG4	4.604	9.71
TBX1	2.809	0
TBX10	1.548	0
TBX15	3.495	0.05
TBX18	4.07	0
TBX19	2.822	1.76
TBX2	3.38	0.03
TBX20	1.81	0
TBX21	2.572	43.14
TBX22	2.248	0
TBX3	4.783	0.02
TBX4	2.47	0
TBX5	4.673	0

TBX6	3.169	0.71
TBXA2R	2.182	21.81
TBXAS1	5.079	4.43
tcag7.1017	5.928	0.23
tcag7.1196	1.662	15.51
tcag7.1239	0.393	15
tcag7.350	1.23	0.68
tcag7.441	1.699	0.05
tcag7.875	1.02	0
tcag7.926	2.202	0.5
TCAM1	10.651	0.08
TCAP	0.963	4.72
TCBA1	3.315	0
TCEA1	2.777	12.62
TCEA1P	2.472	0
TCEA1P2	2.57	17.73
TCEA2	2.425	5.69
TCEA3	1.586	0
TCEAL1	1.353	5.04
TCEAL2	1.101	0.08
TCEAL3	1.278	14.7
TCEAL4	1.503	51.9
TCEAL5	1.168	0.14
TCEAL6	0.998	0.76
TCEAL7	1.136	0
TCEAL8	1.212	23.28
TCEB1	0.655	18.52
TCEB1P	1.83	3.54
TCEB1P2	0.7	4.57
TCEB2	1.29	60.93
TCEB3	2.992	12.89
TCEB3B	3.046	0
TCEB3C	1.877	0
TCERG1	4.201	9.53
TCERG1L	2.619	0
TCF1	3.239	0.26
TCF12	4.934	13.98
TCF15	1.227	0.07
TCF19	3.246	0.1
TCF2	6.029	0
TCF20	14.785	3.51
TCF21	3.645	0
TCF23	0.645	0
TCF25	2.221	40.24
TCF3	4.674	84.31
TCF4	5.848	40.75
TCF7	6.201	1.77
TCF7L1	2.761	0.15
TCF7L2	2.627	8.91
TCFL5	2.773	13.46

TCHHL1	3.603	0
TCHP	3.151	9.76
TCIRG1	3.282	34.59
TCL1A	1.311	841.78
TCL1B	2.453	270.8
TCL6	10.298	3.9
TCN1	1.543	3.17
TCN2	1.981	2.93
TCOF1	5.956	12.36
TCP1	2.863	58.02
TCP10	2.383	0
TCP10L	0.957	0
TCP10L2	1.543	0
TCP11	1.962	0.56
TCP11L1	2.405	2.13
TCP11L2	2.219	2.05
TCP1L2	2.01	0.13
TCTA	2.146	29.12
TCTE3	0.747	0.11
TCTEX1D1	2.002	0.46
TDG	3.22	5.36
TDGF1	2.027	0
TDGF3	2.71	0
TDGF5	0.978	0.08
TDH	30.173	0.01
TDO2	1.693	0
TDP1	3.747	5.37
TDPX2	0.958	55.74
TDRD1	4.51	0.11
TDRD10	2.331	0
TDRD3	2.461	4.42
TDRD5	3.516	0
TDRD6	6.817	0
TDRD7	3.762	1.75
TDRD9	3.338	0
TDRKH	2.318	2.14
TEAD1	9.697	0.89
TEAD2	2.164	1.13
TEAD3	2.915	0
TEAD4	2.151	2.7
TEC	3.574	0.85
TECT1	1.853	1.14
TECTA	6.468	0.07
TECTB	0.99	0
TEDDM1	2.33	0
TEF	4.364	1.31
TEGT	2.58	173.43
TEK	4.62	0.09
TEKT1	1.413	0
TEKT2	1.509	0.06

TEKT3	1.696	0
TEKT4	1.455	0.06
TEKT5	1.609	0
TELO2	3.253	15.18
TENC1	5.372	12.78
Tenr	1.961	0
TEP1	9.499	6.77
TEPP	1.021	0
TERC	0.451	0.56
TERF1	2.69	4.26
TERF1P	2.959	0.11
TERF2	3.137	27.85
TERF2IP	2.116	40.49
TERT	4.872	0.52
TES	5.588	0.03
TESC	1.068	4.5
TESK1	2.516	8.61
TESK2	3.019	4.1
TESSP1	1.112	0
TESSP2	0.882	0
TESSP5	0.783	0.11
TETRA	1.757	37.01
TEX10	3.024	7.85
TEX101	1.565	0
TEX11	3.198	0
TEX12	1.144	0
TEX13A	1.379	0
TEX13B	1.248	0
TEX14	4.927	0.07
TEX15	10.112	0
TEX2	5.09	8.59
TEX261	3.367	22.07
TEX264	2.613	39.97
TEX9	1.414	0.06
TF	2.318	0.98
TFAM	1.936	7.87
TFAP2A	2.933	0.48
TFAP2B	1.975	0
TFAP2C	2.866	0
TFAP2D	2.04	0
TFAP2E	2.949	12
TFAP4	2.14	7.95
TFB1M	1.288	2.74
TFB2M	1.781	5.25
TFCP2	2.372	15.91
TFCP2L1	4.913	0
TFDP1	2.367	15.3
TFDP2	3.953	8.24
TFDP3	1.68	0.2
TFE3	3.393	11.04

TFEB	2.354	24.91
TFEC	13.262	0.01
TFF1	0.492	0
TFF2	0.607	0
TFF3	0.668	0.38
TFG	2.204	13.91
TFIP11	3.437	26.69
TFPI	1.879	0.31
TFPI2	2.346	0
TFPT	1.069	25.45
TFR2	5.748	1.45
TFRC	5.012	6.89
TG	8.453	0
TGDS	1.902	1.9
TGFA	4.089	0.04
TGFB1	2.346	69.77
TGFB111	1.802	7.81
TGFB2	1.69	0
TGFB3	2.58	2.41
TGFB1	2.691	3.51
TGFBR1	6.475	1.57
TGFBR2	4.704	12.05
TGFBR3	4.199	0.1
TGFBRAP1	3.299	4.93
TGIF1	3.633	8.19
TGIF1P1	1.278	0.13
TGIF2	3.393	11.99
TGIF2LX	0.847	0
TGIF2LY	0.861	0
TGIF2P1	12.192	0.03
TGM1	2.701	0.34
TGM2	4.359	1.05
TGM3	2.615	0
TGM4	2.979	0.03
TGM5	2.204	0
TGM6	2.292	0
TGM7	2.312	0
TGOLN2	6.316	28.82
TGS1	3.782	6.17
TH	2	0
TH1L	2.257	27.88
THA1P	1.555	0
THADA	7.027	5.01
THAP1	3.83	2.22
THAP10	2.028	0
THAP11	1.886	19.12
THAP2	4.724	0.48
THAP3	2.471	7.39
THAP4	2.158	31.81
THAP5	3.136	0.62

THAP6	3.547	0.74
THAP7	2.209	6.9
THAP8	1.825	2.86
THAP9	4.058	1.23
THBD	4.032	0.5
THBS1	5.79	53.64
THBS2	5.809	0.32
THBS3	3.147	3.88
THBS4	3.355	0.13
THEG	1.322	0
THEM2	0.739	17.44
THEM4	3.783	0.04
THEM5	2.456	0.07
THEX1	2.119	1.91
THG1L	1.305	3.42
THNSL1	2.551	2.12
THOC1	2.081	7.69
THOC2	4.452	11.11
THOC3	1.563	42.47
THOC4	1.088	53.19
THOC5	2.754	13
THOC6	1.354	21.09
THOC7	0.92	32.69
THOP1	2.55	26.82
THPO	3.009	0
THRA	5.494	10.32
THRAP1	7.715	4.36
THRAP2	9.53	16.05
THRAP3	4.126	55.83
THRAP4	3.677	20.3
THRAP5	2.924	20.11
THRAP6	0.907	15.79
THRB	6.341	0
THRSP	1.174	0.07
THSD1	3.039	0.28
THSD1P	30.249	0.44
THSD3	5.171	0.03
THSD4	9.145	0
THSD7A	12.77	0
THSD7B	5.846	0.02
THTPA	2.132	10.83
THUMPD1	4.416	6.92
THUMPD2	1.94	8.29
THUMPD3	2.898	6.51
THY1	1.772	1.23
THYN1	1.769	14.05
TIA1	2.949	15.99
TIAF1	2.089	63.27
TIAL1	4.042	15.32
TIAM1	5.588	3.42

TIAM2	6.224	4.84
TICAM1	4.115	3.69
TICAM2	3.453	1.15
TIE1	3.882	15.67
TIFA	3.073	8.39
TIFAB	1.413	0.3
TIGD1	2.448	2.62
TIGD2	2.072	1.78
TIGD3	1.823	0.14
TIGD4	2.433	0.14
TIGD5	2.264	4.84
TIGD6	3.493	0.99
TIGD7	2.569	5.8
TIMD4	1.292	0.85
TIMELESS	4.354	7.2
TIMM10	0.674	18.87
TIMM13	2.72	37.91
TIMM17A	1.63	8.17
TIMM17B	0.948	16.97
TIMM22	1.69	13.55
TIMM23	1.168	30.65
TIMM44	1.83	12.98
TIMM50	2.572	16.08
TIMM8A	1.166	4.33
TIMM8B	0.414	60.63
TIMM9	1.078	19.46
TIMP1	0.916	51.4
TIMP2	3.655	13.04
TIMP3	5.486	1.06
TIMP4	1.429	0.12
TINAG	1.767	0
TINAGL1	2.163	0.47
TINF2	2.095	29.95
TINP1	1.104	56.01
TIP39	0.459	0.73
TIPARP	3.836	2.02
TIPIN	1.054	3.6
TIPRL	3.22	5.65
TIRAP	3.217	1.02
TITF1	2.338	0
TJAP1	2.72	13.75
TJP1	7.165	0.01
TJP2	4.603	10.01
TJP3	2.859	0.12
TK1	1.42	23.31
TK2	3.675	10.64
TKT	1.98	170.34
TKTL1	2.515	0
TKTL2	2.739	0
TLCD1	1.007	0.17

TLE1	3.626	22.62
TLE2	2.562	0.65
TLE3	2.357	5.79
TLE4	4.749	14.24
TLE6	1.976	0.25
TLK1	4.045	8.89
TLK2	3.604	4.12
TLL1	6.654	0
TLL2	6.753	0.06
TLN1	8.17	44.13
TLN2	8.5	0.34
TLOC1	0.1	833.94
TLR1	2.851	3.9
TLR10	3.594	0.25
TLR2	3.403	1.36
TLR3	3.041	0.64
TLR4	5.503	3.34
TLR5	3.368	0.48
TLR6	2.753	1.1
TLR7	4.992	0.77
TLR7-like	3.281	0.51
TLR8	4.542	0.08
TLR9	3.868	2.27
TLX1	2.906	0
TLX2	1.752	0
TLX3	1.493	0
TM2D1	1.25	5.39
TM2D2	4.333	3.67
TM2D3	1.407	4.49
TM4SF1	1.691	16.04
TM4SF18	1.153	0
TM4SF19	0.961	0.53
TM4SF20	2.294	0
TM4SF4	1.428	0
TM4SF5	0.708	0.24
TM6SF1	1.418	0.06
TM6SF2	2.61	0
TM7SF2	2.094	4.27
TM7SF3	2.525	17.84
TM7SF4	1.952	0
TM9SF1	3.053	13.61
TM9SF2	2.391	38.26
TM9SF3	3.893	28.99
TM9SF4	3.727	22.37
TMBIM1	2.349	36.83
TMBIM4	1.298	20.11
TMC1	3.201	0
TMC2	3.169	0.03
TMC3	3.303	0
TMC4	2.358	0.47

TMC5	3.33	0.08
TMC6	3.612	29.81
TMC7	3.569	0
TMC8	3.545	25.12
TMCC1	6.99	2.42
TMCC2	3.792	2.53
TMCC3	4.726	0.02
TMCO1	1.42	21.71
TMCO2	0.739	0
TMCO3	3.047	10.87
TMCO4	2.947	7.29
TMCO5	1.158	0
TMCO6	1.889	8.07
TMCO7	1.839	0.59
TMDCI	104.716	0
TMED1	1.357	12.54
TMED10	4.085	42.38
TMED10P	1.273	3.77
TMED2	2.039	46.6
TMED3	1.388	27.74
TMED4	2.67	17.61
TMED5	3.953	4.86
TMED6	0.906	1.21
TMED7	3.585	3.59
TMED8	1.375	3.74
TMED9	1.402	110.31
TMEFF1	2.285	0.19
TMEFF2	1.813	0
TMEM1	7.77	4.6
TMEM10	4.071	0.48
TMEM100	1.67	0.05
TMEM101	1.539	24.91
TMEM102	1.973	3.25
TMEM103	1.349	19.86
TMEM104	4.131	7.91
TMEM105	3.317	0
TMEM106A	2.795	13.36
TMEM106B	12.87	0.76
TMEM106C	1.43	21.15
TMEM107	1.722	2.64
TMEM108	2.148	0
TMEM109	2.082	56.15
TMEM11	1.193	13.7
TMEM110	2.271	5.82
TMEM111	1.082	24.37
TMEM112	2.6	5.86
TMEM112B	2.658	23.9
TMEM113	3.46	34.69
TMEM115	2.095	14.07
TMEM116	1.716	0.83

TMEM117	2.697	0.41
TMEM118	1.761	0.2
TMEM119	2.586	0.32
TMEM121	1.519	6.49
TMEM123	3.321	47.43
TMEM125	1.639	1.39
TMEM126A	0.726	8.12
TMEM126B	1.12	4.74
TMEM127	4.208	18.03
TMEM128	1.732	5.11
TMEM129	2.677	16.3
TMEM130	5.988	0.02
TMEM131	6.257	11.96
TMEM132A	3.716	1.36
TMEM132B	7.578	0.04
TMEM132C	5.271	0.02
TMEM132D	5.778	0
TMEM132E	4.369	0
TMEM133	1.856	0.64
TMEM134	0.945	14.26
TMEM135	3.597	1.4
TMEM136	0.886	0
TMEM137	1.989	0.55
TMEM138	1.162	11.23
TMEM139	4.726	0.02
TMEM140	3.965	5.42
TMEM141	0.768	37.84
TMEM142A	1.475	41.46
TMEM142B	5.329	4.15
TMEM142C	2.178	20
TMEM143	2.249	3.41
TMEM144	3.043	1.1
TMEM145	1.768	0
TMEM146	2.513	0
TMEM147	0.851	56.82
TMEM148	1.787	0
TMEM149	1.196	5.78
TMEM14A	0.994	3.31
TMEM14B	0.917	15.8
TMEM14C	0.983	29.39
TMEM150	2.361	4.96
TMEM151	2.562	0.03
TMEM154	3.765	15.3
TMEM155	2.026	0
TMEM156	2.136	5.48
TMEM157	1.236	2.25
TMEM158	1.797	0.19
TMEM159	1.812	5.4
TMEM160	0.655	22.37
TMEM161A	1.779	14.01

TMEM161B	2.589	1.43
TMEM162	1.179	0
TMEM163	2.559	6.42
TMEM164	1.906	4.82
TMEM165	1.979	10.6
TMEM166	1.815	1.25
TMEM167	1.173	9.19
TMEM168	7.842	0.89
TMEM169	3.306	0
TMEM16A	4.474	0
TMEM16B	3.717	0
TMEM16C	6.642	0
TMEM16D	3.898	0
TMEM16E	3.147	0
TMEM16F	5.973	5.56
TMEM16G	3.767	0.03
TMEM16H	4.529	3.55
TMEM16J	2.814	0.24
TMEM16K	2.734	4.84
TMEM17	1.405	1.68
TMEM170	1.309	5.21
TMEM171	1.249	0
TMEM173	1.688	59.54
TMEM174	1.322	0
TMEM175	2.064	14.37
TMEM176A	2.076	0.53
TMEM176B	2.662	0.66
TMEM177	1.385	9
TMEM178	1.631	1.34
TMEM179	1.623	0
TMEM18	2.124	13.21
TMEM180	2.834	1.33
TMEM181	5.59	1.28
TMEM182	3.275	1.13
TMEM183A	2.2	13.06
TMEM183B	1.706	13.43
TMEM185A	2.821	0
TMEM185B	2.131	9.88
TMEM186	1.149	5.13
TMEM19	4.659	4.57
TMEM2	6.13	20.22
TMEM20	2.399	0
TMEM22	1.939	0
TMEM23	3.753	2.31
TMEM24	3.344	5.29
TMEM25	2.409	2.35
TMEM26	5.148	0
TMEM27	1.568	0
TMEM28	4.019	0
TMEM29	2.251	3.18

TMEM30A	4.402	12.84
TMEM30B	3.033	0.03
TMEM30C	1.062	0
TMEM31	0.732	0
TMEM32	3.648	7.06
TMEM33	3.172	5.26
TMEM34	2.914	4.6
TMEM35	2.041	0
TMEM37	0.573	0.44
TMEM38A	1.639	0.1
TMEM38B	2.076	1.62
TMEM39A	2.957	4.93
TMEM39B	1.79	20.14
TMEM4	1.209	49.68
TMEM40	1.71	0
TMEM41A	1.733	4.27
TMEM41B	1.625	3.21
TMEM42	0.973	13.59
TMEM43	3.236	21.79
TMEM44	2.345	6.32
TMEM45A	1.564	0.86
TMEM45B	2.207	0.15
TMEM46	2.889	2.59
TMEM47	4.054	0.02
TMEM48	2.86	5.33
TMEM49	2.509	13.83
TMEM5	1.451	4.18
TMEM50A	2.28	34.69
TMEM50B	2.332	4.95
TMEM51	1.81	1.63
TMEM52	0.922	0.09
TMEM53	1.6	2.85
TMEM54	0.993	0.42
TMEM55A	2.254	1.09
TMEM55B	1.687	12.73
TMEM56	2.443	0.14
TMEM57	3.138	7.57
TMEM58	1.138	0.74
TMEM59	1.696	36.56
TMEM60	1.746	3.57
TMEM61	1.097	0
TMEM62	2.769	1.52
TMEM63A	4.074	11.46
TMEM63B	3.199	5.61
TMEM63C	5.334	3.02
TMEM64	1.551	1.3
TMEM65	3.228	0.76
TMEM66	1.977	128.84
TMEM67	3.453	0.61
TMEM68	2.317	1.67

TMEM69	1.448	12.56
TMEM70	2.028	6.44
TMEM71	1.993	0.3
TMEM74	2.087	0
TMEM75	2.165	0
TMEM77	1.759	14.03
TMEM78	2.175	0.04
TMEM79	2.156	3.94
TMEM8	2.797	12.25
TMEM80	1.572	12.92
TMEM81	1.332	1.08
TMEM83	1.786	0
TMEM85	1.229	41.95
TMEM86A	3.582	1.6
TMEM86B	1.641	3.85
TMEM87A	2.875	7.88
TMEM87B	3.466	2.97
TMEM88	0.874	0.29
TMEM89	0.48	0
TMEM9	1.527	20.24
TMEM92	2.685	4.64
TMEM93	0.892	23.79
TMEM95	1.169	0
TMEM97	2.115	5.73
TMEM98	1.795	0.14
TMEM99	0.855	9.56
TMEM9B	1.753	11.68
TMEPAI	5.444	0.08
TMF1	3.282	3.75
TMIE	1.649	0.46
TMIGD1	1.201	0
TMIGD2	1.262	0.14
TMLHE	2.835	6.51
TMOD1	2.664	1.39
TMOD2	2.917	0.23
TMOD3	2.498	9.58
TMOD4	1.201	1.47
TMPIT	2.56	3.92
TMPO	5.411	17.98
TMPRSS11A	2.428	0
TMPRSS11B	2.642	0
TMPRSS11D	2.783	0
TMPRSS11E	2.103	0
TMPRSS11F	2.077	0
TMPRSS12	1.451	0
TMPRSS13	3.263	0.15
TMPRSS2	3.194	0
TMPRSS3	3.603	0.03
TMPRSS4	2.846	0
TMPRSS5	2.232	0.08

TMPRSS6	3.191	0
TMPRSS7	2.717	0
TMPRSS9	3.18	0.42
TMSB10	0.482	1898.1
TMSB4X	0.628	591.53
TMSB4Y	1.669	1.16
TMSL1	0.547	1.7
TMSL2	0.538	1.73
TMSL3	0.634	72.68
TMSL4	0.54	6.71
TMSL5	0.438	1.92
TMSL7	0.482	0.53
TMSL8	0.666	0
TMTC1	8.821	0
TMTC2	4.84	0.08
TMTC3	4.971	0.15
TMTC4	2.624	1.87
TMUB1	2.944	9.02
TMUB2	6.739	18.66
TNC	7.544	0.09
TncRNA	14.639	10.14
TNF	5.007	0
TNFAIP1	3.569	4.53
TNFAIP2	4.175	5.75
TNFAIP3	4.86	20.52
TNFAIP6	1.423	0
TNFAIP8	1.99	5.12
TNFAIP8L1	2.187	12.63
TNFAIP8L2	1.152	25.44
TNFAIP8L3	2.259	0.48
TNFRSF10A	1.709	0.99
TNFRSF10B	4.331	9.35
TNFRSF10C	1.387	0.3
TNFRSF10D	3.535	8.76
TNFRSF11A	3.126	4.28
TNFRSF11B	2.274	0.3
TNFRSF12A	0.986	1.03
TNFRSF13B	1.358	0.13
TNFRSF13C	0.895	4.52
TNFRSF14	1.983	45.07
TNFRSF17	0.994	0.08
TNFRSF18	1.835	0.32
TNFRSF19	4.878	0
TNFRSF19L	7.514	11.12
TNFRSF1A	2.204	98.76
TNFRSF1B	3.675	57.35
TNFRSF21	3.634	6.12
TNFRSF25	2.086	0.12
TNFRSF4	1.068	0.24
TNFRSF6B	1.558	3.08

TNFRSF8	4.046	2.17
TNFRSF9	1.884	0
TNFSF10	1.759	1.96
TNFSF11	2.279	0
TNFSF12	1.386	7.96
TNFSF12-TNFSF13	1.823	12.94
TNFSF13	2.959	8.74
TNFSF13B	1.204	0.07
TNFSF14	1.593	0
TNFSF15	2.004	0
TNFSF18	0.61	0
TNFSF4	3.493	13.1
TNFSF5IP1	1.047	21.48
TNFSF8	1.979	1.06
TNFSF9	1.632	2.79
TNIK	4.083	0.02
TNIP1	2.913	57.49
TNIP2	1.932	17.44
TNIP3	2.393	0
TNK1	2.769	0.15
TNK2	5.018	13.36
TNKS	9.599	2.46
TNKS1BP1	5.952	2.66
TNKS2	6.156	5.72
TNMD	1.304	0
TNN	5.008	0.08
TNNC1	0.686	0.37
TNNC2	0.683	0
TNNI1	6.143	0
TNNI2	0.7	1.56
TNNI3	0.786	0
TNNI3K	3.001	0.03
TNNT1	0.98	0
TNNT2	1.168	0
TNNT3	1.001	0
TNP1	0.402	0
TNP2	0.597	0
TNPO1	3.106	6.16
TNPO2	4.871	12.73
TNPO3	7.338	4.74
TNR	4.716	0
TNRC15	5.959	11.27
TNRC18	5.7	0.09
TNRC4	3.297	0.97
TNRC5	3.319	91.32
TNRC6A	9.778	2.37
TNRC6B	18.507	2.69
TNRC6C	5.548	2.24
TNRC9	5.328	0
TNS1	7.251	1.99

TNS3	15.254	3.16
TNS4	4.013	0.02
TNT	2.463	0
TNXA	5.686	0
TNXB	31.907	0.07
TOB1	2.098	12.73
TOB2	4.565	17.77
TOE1	2.277	9.87
TOLLIP	3.604	8.37
TOM1	2.311	9.25
TOM1L1	2.17	0.12
TOM1L2	3.705	5.52
TOMM20	3.258	35.65
TOMM22	1.378	94.08
TOMM34	2.049	18.05
TOMM40	2.192	36.47
TOMM40L	2.679	4.53
TOMM7	1.458	105.32
TOMM70A	4.36	13.49
TOP1	3.962	37.17
TOP1MT	1.91	36.12
TOP1P1	2.431	5.85
TOP1P2	1.521	0
TOP2A	5.698	19.16
TOP2B	5.796	55.4
TOP3A	4.116	5.75
TOP3B	3.107	7.73
TOP3B2	0.48	1.4
TOPBP1	5.261	6.5
TOPORS	4.148	2.05
TOR1A	2.106	16.52
TOR1AIP1	3.807	9.89
TOR1AIP2	3.767	3.85
TOR1B	2.769	5.75
TOR2A	2.467	6.97
TOR3A	2.012	19.8
TOX	4.62	9.92
TP53	2.621	75.4
TP53BP1	6.696	9.66
TP53BP2	5.682	4.48
TP53I11	3.333	34.65
TP53I13	2.047	21.6
TP53I3	1.878	4.26
TP53INP1	6.344	20
TP53INP2	4.124	1.41
TP53RK	3.373	4.74
TP53TG3	2.034	0
TP73	2.234	0
TP73L	4.906	0
TPBG	2.376	6.81

TPCN1	4.319	8.45
TPCN2	2.931	2.3
TPD52	4.491	6.34
TPD52L1	2.41	0.03
TPD52L2	2.412	79.83
TPD52L3	4.077	0
TPH1	1.335	0
TPH2	2.36	0
TPI1	1.22	190.57
TPK1	4.834	0.28
TPM1	3.627	1.18
TPM2	2.584	17.93
TPM3	3.023	83.96
TPM4	2.759	119.23
TPM5P	1.034	0.08
TPMT	3.25	1.79
TPMTP1	0.741	0.79
TPO	3.526	0.29
TPP1	3.498	121.01
TPP2	4.621	8.18
TPPP	5.019	0.2
TPR	7.492	13.26
TPRKB	0.704	14.36
TPRX1	1.839	0
TPRX1P2	0.925	0
TPRX2P	1.909	0
TPRXL	130.743	0
TPSAB1	1.194	0.64
TPSB2	1.166	0.65
TPSD1	0.855	0
TPSG1	1.105	0
TPST1	4.502	5.28
TPST2	2.075	53.3
TPT1	1.129	7857.22
TPTE	2.836	0
TPTE2	2.212	0
TPX2	3.662	24.36
TR2IT1	1.134	0.08
TRA@	0.5	11.12
TRA16	1.299	11.8
TRA2A	3.568	29.7
TRABD	2.315	64.77
TRAC	0.954	16.33
TRADD	2.44	10.95
TRAF1	4.449	0.59
TRAF2	2.277	7.62
TRAF3	2.567	3.02
TRAF3IP1	2.535	4.19
TRAF3IP2	3.546	42.14
TRAF3IP3	2.058	23.05

TRAF4	2.135	6.55
TRAF5	4.09	3.46
TRAF6	2.571	2.95
TRAF7	5.49	17.94
TRAFD1	2.62	24.18
TRAIP	2.024	4.21
TRAJ1	0.1	0
TRAJ10	0.1	0
TRAJ11	0.1	0
TRAJ12	0.1	0
TRAJ13	0.1	0
TRAJ14	0.1	0
TRAJ15	0.1	0
TRAJ16	0.1	0
TRAJ17	0.1	0
TRAJ18	0.1	0
TRAJ19	0.1	0
TRAJ2	0.1	0
TRAJ20	0.1	0
TRAJ21	0.1	0
TRAJ22	0.1	0
TRAJ23	0.1	0
TRAJ24	0.1	0
TRAJ25	0.1	0
TRAJ26	0.1	0
TRAJ27	0.1	0
TRAJ28	0.1	0
TRAJ29	0.1	0
TRAJ3	0.1	0
TRAJ30	0.1	0
TRAJ31	0.1	0
TRAJ32	0.1	0
TRAJ33	0.1	0
TRAJ34	0.1	0
TRAJ35	0.1	0
TRAJ36	0.1	0
TRAJ37	0.1	0
TRAJ38	0.1	0
TRAJ39	0.1	0
TRAJ4	0.1	0
TRAJ40	0.1	0
TRAJ41	0.1	0
TRAJ42	0.1	0
TRAJ43	0.1	0
TRAJ44	0.1	0
TRAJ45	0.1	0
TRAJ46	0.1	0
TRAJ47	0.1	0
TRAJ48	0.1	0.84
TRAJ49	0.1	2.52

TRAJ5	0.1	0
TRAJ50	0.1	0
TRAJ51	0.1	0
TRAJ52	0.1	0
TRAJ53	0.1	0.84
TRAJ54	0.1	0
TRAJ55	0.1	0
TRAJ56	0.1	0.84
TRAJ57	0.1	0.84
TRAJ58	0.1	0
TRAJ59	0.1	0
TRAJ6	0.1	0
TRAJ60	0.1	0
TRAJ61	0.1	0
TRAJ7	0.1	0
TRAJ8	0.1	0
TRAJ9	0.1	0
TRAK1	7.1	17.06
TRAK2	6.462	7.62
TRAM1	2.789	19.42
TRAM1L1	2.023	0.66
TRAM2	7.057	19.18
TRAP1	2.211	23.7
TRAPPC1	0.813	140.81
TRAPPC2	2.833	4.9
TRAPPC2L	0.629	37.76
TRAPPC3	1.262	40.31
TRAPPC4	1.198	22.92
TRAPPC6A	0.795	48.11
TRAPPC6B	3.151	5.24
TRAT1	1.695	0.05
TRAV10	0.343	0
TRAV11	0.871	0
TRAV1-1	0.326	0
TRAV1-2	0.326	0
TRAV12-1	0.337	0
TRAV12-2	0.343	0
TRAV12-3	0.343	0
TRAV13-1	0.337	0.25
TRAV13-2	0.34	0
TRAV14DV4	0.35	0.24
TRAV15	0.888	0
TRAV16	0.329	0
TRAV17	0.337	0
TRAV18	0.335	0
TRAV19	0.35	0
TRAV2	0.338	0
TRAV20	0.337	0.75
TRAV21	0.336	0.5
TRAV22	0.331	0

TRAV23DV6	0.364	0
TRAV24	0.343	0
TRAV25	0.327	0
TRAV26-1	0.328	0
TRAV26-2	0.327	0
TRAV27	0.328	0
TRAV28	0.883	0
TRAV29DV5	0.358	0
TRAV3	0.343	0.49
TRAV30	0.337	0
TRAV31	0.934	0
TRAV32	0.844	0
TRAV33	0.896	0
TRAV34	0.337	0
TRAV35	0.33	0
TRAV36DV7	0.34	0
TRAV37	2.676	0
TRAV38-1	0.35	0
TRAV38-2DV8	0.349	0.24
TRAV39	0.331	0
TRAV4	0.328	0.25
TRAV40	0.317	0
TRAV41	0.336	0
TRAV5	0.34	0
TRAV6	0.34	0
TRAV7	0.337	0
TRAV8-1	0.341	0
TRAV8-2	0.341	0
TRAV8-3	0.341	0
TRAV8-4	0.341	0
TRAV8-5	2.94	0
TRAV8-6	0.341	0
TRAV8-7	0.344	0
TRAV9-1	0.338	0
TRAV9-2	0.338	0
TRB@	0.1	0
TRBC1	1.066	1.58
TRBC2	1.078	3.05
TRBD1	0.1	0
TRBD2	0.1	0
TRBJ1-1	0.1	0
TRBJ1-2	0.1	0
TRBJ1-3	0.1	0
TRBJ1-4	0.102	0
TRBJ1-5	0.1	0
TRBJ1-6	0.106	0
TRBJ2-1	0.1	0
TRBJ2-2	0.102	0
TRBJ2-2P	0.1	0.84
TRBJ2-3	0.1	0

TRBJ2-4	0.1	0
TRBJ2-5	0.1	0
TRBJ2-6	0.106	0
TRBJ2-7	0.1	0
TRBV1	1.566	0
TRBV10-1	0.688	0
TRBV10-2	0.688	0
TRBV10-3	0.688	0
TRBV11-1	0.694	0
TRBV11-2	0.694	0
TRBV11-3	0.694	0
TRBV12-1	1.574	0
TRBV12-2	1.574	0
TRBV12-3	0.694	0.24
TRBV12-4	0.694	0.36
TRBV12-5	0.694	0
TRBV13	0.748	0
TRBV14	0.694	0
TRBV15	0.688	0
TRBV16	0.694	0
TRBV17	0.688	0
TRBV18	0.694	0
TRBV19	0.688	0.12
TRBV2	0.694	0.25
TRBV20-1	0.77	18.82
TRBV20OR9-2	0.999	0.25
TRBV21-1	1.632	0
TRBV21OR9-2	0.793	0
TRBV22	0.74	0
TRBV22OR9-2	0.768	0
TRBV23-1	1.702	0
TRBV23OR9-2	0.819	0
TRBV24-1	0.69	0
TRBV24OR9-2	0.833	0
TRBV25-1	0.688	0.25
TRBV25OR9-2	0.8	0
TRBV26	1.658	0
TRBV26OR9-2	0.826	0
TRBV27	0.688	0
TRBV28	0.688	0.37
TRBV29-1	0.67	0
TRBV29OR9-2	0.941	0
TRBV30	0.67	0
TRBV3-1	0.688	0
TRBV3-2	0.432	0
TRBV4-1	0.688	0
TRBV4-2	0.688	0
TRBV4-3	0.688	0
TRBV5-1	0.686	0
TRBV5-2	1.546	0

TRBV5-3	1.62	0
TRBV5-4	0.686	0
TRBV5-5	0.686	0
TRBV5-6	0.686	0.12
TRBV5-7	0.686	0
TRBV5-8	0.686	0
TRBV6-1	0.688	0
TRBV6-2	0.688	0
TRBV6-3	0.688	0
TRBV6-4	0.688	0.12
TRBV6-5	0.688	0
TRBV6-6	0.688	0
TRBV6-7	0.688	0
TRBV6-8	0.682	0
TRBV6-9	0.688	0
TRBV7-1	1.672	0
TRBV7-2	0.694	0
TRBV7-3	0.694	0.37
TRBV7-4	0.694	0
TRBV7-5	1.634	0
TRBV7-6	0.694	0
TRBV7-7	0.694	0
TRBV7-8	0.694	0
TRBV7-9	0.694	0
TRBV8-1	2.324	0
TRBV8-2	1.572	0
TRBV9	0.686	0.37
TRBVA	1.74	0
TRBVAOR9-2	0.454	0
TRBVB	1.87	0
TRD@	0.1	0
TRDC	1.51	0.11
TRDD1	0.1	0
TRDD2	0.1	0
TRDD3	0.1	0
TRDJ1	0.1	4.21
TRDJ2	0.1	0
TRDJ3	0.1	0
TRDJ4	0.1	0
TRDMT1	3.527	0.7
TRDN	2.946	0
TRDV1	0.347	0
TRDV2	0.345	0
TRDV3	0.341	0
TREH	1.844	0
TREM1	0.92	0.73
TREM2	1.037	0.08
TREML1	0.98	0.17
TREML2	3.081	4.19
TREML2P	0.213	0

TREML3	1.224	0
TREML4	2.07	0
TRERF1	6.214	2.17
TREX1	7.374	4.48
TREX2	1.255	0.27
TRFP	2.478	8.4
TRG@	0.1	0
TRGC1	0.1	0
TRGC2	1.138	0.88
TRGJ1	0.1	0
TRGJ2	0.1	0
TRGJP	0.124	0
TRGJP1	0.12	0
TRGJP2	0.12	2.8
TRGV1	1.642	0.05
TRGV10	1.662	0.1
TRGV11	1.64	0.1
TRGV2	0.708	0.36
TRGV3	0.708	1.9
TRGV4	0.708	0.95
TRGV5	0.708	0.12
TRGV5P	1.652	0
TRGV6	1.65	0
TRGV7	1.654	0
TRGV8	0.708	0
TRGV9	0.732	0.23
TRGVA	1.514	0
TRGVB	1.662	0.1
TRH	1.562	0.21
TRHDE	5.618	0
TRHR	1.344	0
TRIAD3	12.894	4.76
TRIAP1	1.182	19.88
TRIB1	3.633	3.66
TRIB2	4.198	0.44
TRIB3	2.452	0
TRIM10	12.027	0
TRIM11	2.691	7.95
TRIM13	9.066	1.43
TRIM14	8.165	8
TRIM15	7.959	0.01
TRIM16	2.901	20.38
TRIM16L	1.982	2.46
TRIM17	2.212	0.08
TRIM2	6.731	1.77
TRIM21	1.929	12.01
TRIM22	2.808	54.8
TRIM23	5.439	0.28
TRIM24	8.344	2.33
TRIM25	5.744	11.43

TRIM26	10.464	0.63
TRIM27	13.056	0.1
TRIM28	2.959	149
TRIM29	3.018	0
TRIM3	3.037	1.89
TRIM31	9.669	0
TRIM32	3.141	4.21
TRIM33	8.339	3.8
TRIM34	3.216	2.57
TRIM35	4.227	4.4
TRIM36	4.892	0.02
TRIM37	4.829	1.97
TRIM38	3.276	17.54
TRIM39	10.863	0.01
TRIM4	6.766	3.25
TRIM40	2.988	0
TRIM41	4.315	10.91
TRIM42	2.538	0
TRIM43	1.627	0
TRIM44	5.379	22.83
TRIM45	3.571	0.97
TRIM46	3.142	0.16
TRIM47	2.263	0.41
TRIM48	1.445	0
TRIM49	2.163	0
TRIM5	4.162	6.32
TRIM50	4.094	0.78
TRIM52	2.404	5.78
TRIM54	1.757	0
TRIM55	3.868	0
TRIM56	7.094	2.31
TRIM58	2.594	0.88
TRIM59	3.876	1.46
TRIM6	3.964	0.54
TRIM60	1.842	0
TRIM61	1.58	0.1
TRIM62	3.436	3.21
TRIM63	1.764	0
TRIM64	1.71	0
TRIM65	3.409	4.84
TRIM67	3.929	0.13
TRIM68	3.3	4.11
TRIM69	2.752	4.19
TRIM6-TRIM34	3.46	2.07
TRIM7	5.758	0.12
TRIM71	3.138	0.03
TRIM72	2.097	0
TRIM73	2.7	0.37
TRIM74	2.7	0.22
TRIM75	1.407	0

TRIM8	3.185	31.63
TRIM9	6.675	1.68
TRIML1	1.645	0
TRIMP1	24.488	0.18
TRIO	10.227	4.39
TRIOBP	10.735	4.57
TRIP10	2.011	1.43
TRIP11	6.453	2.12
TRIP12	6.872	15.46
TRIP13	2.351	2.54
TRIP4	2.028	7.89
TRIP6	3.504	10.22
TRIT1	2.106	4.56
TRLP1	0.1	0
TRMEP1	0.1	0
TRMT1	2.133	37.2
TRMT11	1.953	1.9
TRMT12	2.034	15.41
TRMT5	5.272	1.32
TRMU	1.964	6.31
TRNA	0.1	0
TRNC	0.1	0
TRND	0.1	0
TRNE	0.1	0
TRNF	0.1	0
TRNG	0.1	0
TRNH	0.1	0
TRNI	0.1	0
TRNK	0.1	0
TRNL1	0.1	0
TRNL2	0.1	0
TRNM	0.1	0
TRNN	0.1	0
TRNP	0.1	0
TRNQ	0.1	0
TRNR	0.1	0
TRNS1	0.1	0
TRNS2	0.1	0
TRNT	0.1	0
TRNT1	3.052	2.32
TRNV	0.1	0
TRNW	0.1	0
TRNY	0.1	0
TRO	5.007	1.44
TROAP	2.527	8.36
TROVE2	3.081	1.8
TRPA1	5.19	0
TRPC1	4.069	0
TRPC2	12.265	0.26
TRPC3	3.424	0.08

TRPC4	3.41	0
TRPC4AP	3.313	30.08
TRPC5	5.84	0
TRPC6	4.54	0.03
TRPC6P	1.804	0
TRPC7	2.589	0
TRPM1	5.428	0
TRPM2	7.269	34
TRPM3	7.095	0
TRPM4	4.055	0.23
TRPM5	3.914	0
TRPM6	8.425	0
TRPM7	7.218	4.66
TRPM8	5.621	0.02
TRPS1	9.99	0.03
TRPT1	1.222	14.47
TRPV1	4.982	4.5
TRPV2	2.776	8.92
TRPV3	3.42	0
TRPV4	3.237	0
TRPV5	4.972	0
TRPV6	5.789	0.02
TRRAP	25.126	3.03
TRSPAP1	1.785	8.21
TRUB1	3.399	3.3
TRUB2	1.439	20.32
TRY1	1.692	0
TRY2P	10.93	0
TRY3	8.722	0
TRY5	7.132	0
TRY6	9.078	0
TRY7	7.14	0
TSC1	9.185	2.51
TSC2	5.705	19.66
TSC22D1	6.258	15.25
TSC22D2	3.901	2.83
TSC22D3	3.126	133.09
TSC22D4	5.006	141.63
TSCOT	2.354	0.03
TSEN2	2.359	2.4
TSEN34	1.349	13.99
TSEN54	1.905	14.41
TSFM	1.218	14.04
TSG101	1.534	29.22
TSGA10	3.69	0.2
TSGA10IP	1.726	0
TSGA13	3.306	0.05
TSGA14	7.052	1.83
TSGA2	1.367	0.06
TSHB	0.578	0

TSHR	4.735	0.03
TSHZ1	4.967	6.51
TSHZ2	4.129	0.53
TSHZ3	4.325	0.08
TSKS	1.812	0.04
TSKU	2.71	7.93
TSLP	2.949	0
TSN	3.408	18.09
TSNARE1	1.901	0
TSNAX	2.65	6.9
TSNAXIP1	2.159	0.9
TSP50	1.338	0.06
TSPAN1	1.278	0
TSPAN10	1.612	0.21
TSPAN11	1.48	0.11
TSPAN12	5.128	0
TSPAN13	4.111	18.83
TSPAN14	4.659	55.69
TSPAN15	1.699	36.39
TSPAN16	1.04	0
TSPAN17	4.207	6.02
TSPAN18	3.548	0.21
TSPAN19	1	0
TSPAN2	3.207	0.08
TSPAN3	1.825	75.97
TSPAN31	1.74	13.51
TSPAN32	2.287	0.22
TSPAN33	3.954	21.56
TSPAN4	2.067	2.4
TSPAN5	1.432	0.65
TSPAN6	2.069	0
TSPAN7	1.798	106.21
TSPAN8	1.13	0
TSPAN9	4.315	2.75
TSPO	1.445	14.45
TSPY1	1.16	0
TSPY2	1.16	0
TSPYL1	3.388	28.62
TSPYL2	2.802	11.96
TSPYL3	1.215	1.25
TSPYL4	4.135	6.81
TSPYL5	4.463	0.06
TSPYL6	3.026	0
TSPYP1	2.733	0
TSPYP2	2.792	0
TSPYP3	2.733	0
TSPYP4	2.811	0
TSPYP5	2.803	0
TSR1	4.89	7.49
TSR2	1.325	37.25

TSSC1	1.664	40.45
TSSC4	1.424	21.36
TSSK1A	0.95	0.08
TSSK1B	1.996	0
TSSK2	1.347	0
TSSK3	1.317	1.79
TSSK4	1.257	1
TSSK6	1.442	0.23
TST	1.128	16.58
TSTA3	1.434	68.37
TTBK1	7.128	0
TTBK2	5.614	0.6
TTC1	1.407	26.52
TTC12	2.315	0
TTC13	3.252	2.1
TTC14	2.832	4.97
TTC15	2.524	19.86
TTC16	2.884	0.03
TTC17	4.185	15.62
TTC18	3.695	0.2
TTC19	2.784	9.89
TTC21A	4.213	0.56
TTC21B	4.558	1.92
TTC22	2.149	0
TTC23	3.537	1.4
TTC24	2.321	15.89
TTC25	2.077	0
TTC26	4.226	0.5
TTC27	2.876	6.91
TTC28	11.653	3.99
TTC29	1.74	0
TTC3	9.101	11.56
TTC30A	4.669	0.49
TTC30B	2.189	0.97
TTC31	3.356	9.48
TTC32	0.822	3.99
TTC33	2.551	0.86
TTC35	1.238	3.26
TTC4	1.985	10.4
TTC5	1.845	6.76
TTC6	1.623	0
TTC7A	5.06	40.46
TTC7B	3.434	4.04
TTC8	2.203	1.15
TTC9	5.51	0
TTC9B	0.835	0.1
TTC9C	1.139	15.53
TTF1	3.137	8
TTF2	4.855	4.89
TTK	2.968	2.24

TTL	4.744	6.89
TTLL1	2.043	4
TTLL10	2.111	0
TTLL11	2.012	1.13
TTLL12	3.353	19.07
TTLL13	1.793	0
TTLL2	2.684	0
TTLL3	5.099	5.7
TTLL4	4.191	2.75
TTLL5	4.684	6.96
TTLL6	2.533	0.03
TTLL7	3.648	0.03
TTLL9	2.623	1.41
TTMA	3.024	0
TTMB	2.761	0.71
TTN	111.97	0.19
TPA	1.249	0
TTR	0.615	0
TTRAP	1.925	7.96
TTY1	0.91	0
TTY10	1.628	0.25
TTY11	0.834	0
TTY12	0.979	0
TTY13	0.659	0
TTY14	0.515	3.27
TTY15	5.242	1.72
TTY16	0.192	0
TTY17A	0.166	0
TTY17B	0.166	0
TTY17C	0.166	0
TTY18	0.221	0
TTY19	0.269	0
TTY2	3.168	0
TTY20	0.259	0
TTY21	0.307	0
TTY22	0.427	0
TTY23	0.512	0
TTY3	0.344	0
TTY3B	0.344	0
TTY4	1.346	0
TTY4B	1.346	0
TTY4C	1.346	0
TTY5	1.562	0
TTY6	0.492	0
TTY6B	0.473	0
TTY7	1.367	0
TTY8	0.531	0
TTY9A	1.637	0
TTY9B	1.637	0
TYH1	2.684	0.06

TTYH2	4.255	37.99
TTYH3	10.091	15.59
TUB	6.6	0.04
TUBA1A	1.666	37.87
TUBA1B	1.753	257.66
TUBA1C	1.553	43.78
TUBA3C	1.69	0
TUBA3D	1.622	7.95
TUBA3E	1.54	0
TUBA4A	1.478	96.78
TUBA4B	20.326	0.03
TUBA8	2.018	66.92
TUBAL3	1.8	0
TUBAP	1.731	0.44
TUBB	7.462	2.84
TUBB1	3.496	0.24
TUBB2A	1.621	0.57
TUBB2B	1.906	0.22
TUBB2C	1.591	105.1
TUBB3	1.711	1.13
TUBB4	2.287	0.08
TUBB4Q	1.305	0
TUBB6	1.815	3.06
TUBB8	1.335	0
TUBBP3	0.882	0
TUBD1	2.472	1.02
TUBE1	2.082	2.06
TUBG1	1.611	15.01
TUBG2	1.773	1.52
TUBGCP2	3.198	20.34
TUBGCP3	3.893	7.66
TUBGCP5	3.743	2.4
TUBGCP6	8.076	8.58
TUFM	1.605	134.09
TUFT1	3.111	0.82
TUG1	7.105	18.54
TULP1	2.089	0
TULP2	1.702	0.05
TULP3	2.934	2.27
TULP4	16.374	1.17
TUSC1	1.882	0.04
TUSC2	1.682	14.12
TUSC3	1.871	0
TUSC4	1.664	10.68
TUSC5	3.596	0.05
TUT1	2.73	9.23
TWF1	3.686	0.89
TWF2	1.625	39.35
TWIST1	3.333	0
TWISTNB	7.784	1.45

TWSG1	3.67	2.02
TXK	2.563	0.1
TXLNA	4.796	23.66
TXLNB	4.633	0.64
TXN	0.508	42.95
TXN2	1.336	67.09
TXNDC1	2.443	8.17
TXNDC10	4.745	3.8
TXNDC11	3.047	19.38
TXNDC12	1.6	24.43
TXNDC13	2.584	9.65
TXNDC14	1.667	32.09
TXNDC2	1.847	0
TXNDC3	4.624	0
TXNDC4	4.862	12.58
TXNDC5	3.33	26.05
TXNDC6	2.133	0
TXNDC8	0.455	0
TXNDC9	1.53	3.8
TXNIP	2.704	212.15
TXNL1	1.28	27.44
TXNL2	1.902	11.12
TXNL4A	1.387	32.07
TXNL4B	2.516	4.35
TXNL5	0.727	16.11
TXNL6	0.908	0
TXNRD1	4.068	11.89
TXNRD2	1.964	4.25
TXNRD3	3.118	0.08
TYK2	4.206	24.43
TYMS	1.529	56.3
TYR	1.964	0
TYRL	11.169	0
TYRO3	3.949	0.45
TYRO3P	0.864	0.1
TYROBP	0.61	7.6
TYRP1	2.805	0
TYSND1	5.967	3.54
TYW1	7.251	3.35
TYW3	2.38	5.95
U1SNRNPBP	2.975	7.78
U2AF1	1.198	48.24
U2AF1L4	1.554	11.92
U2AF2	3.218	108.31
U58	0.1	0
UACA	7.262	1.61
UAP1	2.294	1.61
UAP1L1	3.201	1.71
UBA52	2.895	313.87
UBA52P1	0.95	14.09

UBA52P2	0.34	0.49
UBA52P3	0.521	152.31
UBADC1	1.867	17.01
UBAP1	2.735	8.72
UBAP2	4.284	8.14
UBAP2L	4.251	37.99
UBASH3A	2.492	0.03
UBB	0.971	565.36
UBBP1	0.615	25.61
UBBP2	0.425	14.66
UBBP3	0.376	0
UBBP4	0.914	1.57
UBC	2.404	411.41
UBCH7N2	0.357	1.89
UBD	2.913	0
UBE1	3.793	109.57
UBE1C	2.242	8.98
UBE1DC1	3.496	6.09
UBE1L	3.488	51.32
UBE1L2	5.367	3.54
UBE2A	3.06	15.44
UBE2B	2.631	8.42
UBE2C	2.411	16.77
UBE2CP1	0.774	5.55
UBE2D1	2.651	2.57
UBE2D2	3.581	26.98
UBE2D3	5.709	30.31
UBE2D4	2.796	1.81
UBE2E1	1.466	52.46
UBE2E2	1.51	9.65
UBE2E3	1.737	11.54
UBE2E4P	1.159	4.73
UBE2F	1.542	13.55
UBE2G1	4.332	12.07
UBE2G2	3.189	23.35
UBE2H	7.986	9.6
UBE2I	2.891	33.94
UBE2J1	4.342	17.42
UBE2J2	2.609	19.76
UBE2L3	5.536	17.79
UBE2L4	0.464	0
UBE2L6	1.579	65.3
UBE2L7P	0.683	10.73
UBE2M	1.516	43.4
UBE2MP1	0.961	12.45
UBE2N	2.552	23.97
UBE2NL	1.19	2.19
UBE2O	5.319	17.68
UBE2Q1	3.221	31.54
UBE2Q2	2.922	4.81

UBE2R2	4.457	9.62
UBE2S	0.881	36.81
UBE2SP1	0.881	10.52
UBE2T	0.898	14.26
UBE2U	1.136	0
UBE2V1	3.173	24.02
UBE2V1P1	0.421	1
UBE2V2	1.524	10.72
UBE2W	7.706	0.84
UBE2Z	2.99	34.46
UBE3A	5.239	7.57
UBE3AP1	0.537	0
UBE3AP2	3.149	0.91
UBE3B	5.861	6.99
UBE3C	10.336	3.69
UBE4A	6.122	4.7
UBE4B	5.491	10.88
UBFD1	4.931	11.79
UBIAD1	1.655	11.96
UBL3	3.926	5.73
UBL4A	2.305	12.5
UBL4B	1.508	0
UBL5	0.467	103.18
UBL7	1.499	54.28
UBLCP1	2.174	3.95
UBN1	6.338	9.08
UBOX5	4.329	3.4
UBP1	4.145	10.34
UBQLN1	4.581	17.67
UBQLN2	3.306	9.96
UBQLN3	2.345	0
UBQLN4	3.507	22.38
UBQLN4P	3.574	5.07
UBQLNL	2.303	0.19
UBR1	7.748	1.94
UBR2	5.268	3.72
UBTD1	1.557	4.66
UBTD2	1.113	7.65
UBTF	4.488	49.7
UBXD1	1.896	38.08
UBXD2	3.828	16.5
UBXD3	2.972	1.59
UBXD4	1.896	3.42
UBXD5	2.287	9.65
UBXD6	1.441	5.03
UBXD7	6.142	4.59
UBXD8	4.492	13.69
UCHL1	1.093	0
UCHL3	0.844	9.78
UCHL5	1.703	4.84

UHL5IP	1.891	7.04
UCK1	2.164	11.17
UCK2	2.671	11.76
UCKL1	1.833	21.83
UCN	0.615	3.7
UCN2	1.485	0
UCN3	0.71	0
UCP1	1.048	0
UCP2	1.646	195.95
UCP3	2.59	0.23
UCRC	1.861	27.02
UEVLD	1.966	0.82
UFC1	1.107	133.47
UFD1L	1.534	14.83
UFM1	2.522	12.33
UGCG	2.324	13.7
UGCGL1	8.434	7.7
UGCGL2	4.832	0.02
UGDH	3.189	3.54
UGP2	2.565	29.03
UGT1A1	2.357	0
UGT1A10	2.385	0
UGT1A11P	0.846	0
UGT1A12P	0.853	0
UGT1A13P	1.098	0
UGT1A2P	1.433	0
UGT1A3	2.345	0
UGT1A4	2.374	0
UGT1A5	2.345	0
UGT1A6	2.648	0
UGT1A7	2.333	0
UGT1A8	2.396	0
UGT1A9	2.376	0
UGT2A1	1.764	0
UGT2A3	2.974	0
UGT2B10	1.619	0
UGT2B11	1.722	0
UGT2B15	2.091	0
UGT2B17	2.077	0
UGT2B24P	1.023	0
UGT2B25P	0.899	0
UGT2B26P	0.888	0
UGT2B27P	1.008	0
UGT2B28	1.833	0
UGT2B29P	1.021	0
UGT2B4	2.092	0
UGT2B7	1.854	0
UGT3A1	2.823	0
UGT3A2	2.341	15.22
UGT8	2.448	0

UHMK1	4.064	5.72
UHRF1	3.816	89.4
UHRF2	3.621	14.56
UIMC1	2.604	11.39
ULBP1	3.142	0
ULBP2	1.349	0.56
ULBP3	0.735	0
ULK1	5.211	10.72
ULK2	5.807	0.54
ULK3	2.622	17.86
ULK4	3.969	0.34
UM9(5)	9.848	0
UMOD	2.354	0
UMODL1	5.889	0.13
UMPS	2.246	9.22
UNC119	2.523	16.56
UNC13A	10.102	0.03
UNC13B	6.3	4.47
UNC13C	8.14	0
UNC13D	4.361	5.45
UNC45A	4.393	23.82
UNC45B	5.821	0
UNC50	2.172	4.93
UNC5A	3.733	0
UNC5B	3.916	0.04
UNC5C	3.646	0
UNC5CL	2.987	0.85
UNC5D	7.002	0
UNC84A	8.068	11.46
UNC84B	3.908	133.92
UNC93A	2.012	0
UNC93B1	2.612	34.7
UNCX4.1	1.596	0
UNG	2.473	11.89
UNGP1	1.032	0
UNGP2	0.627	0
UNGP3	2.252	0.11
UNK	4.049	12.21
UNKL	1.379	1.47
UNQ1887	3.403	7.87
UNQ1940	3.29	0
UNQ1945	1.402	0
UNQ2541	0.762	0
UNQ2963	0.332	0
UNQ338	0.95	0
UNQ467	0.414	0
UNQ473	0.853	0.1
UNQ501	1.03	17.91
UNQ5783	1.952	35.69
UNQ5830	2.412	0

UNQ6125	1.513	0
UNQ6190	1.568	0
UNQ6411	1.386	0
UNQ6490	1.018	0
UNQ830	0.465	0
UNQ846	1.448	0
UNQ9217	1.529	0.05
UNQ9368	0.751	0.67
UNQ9370	1.983	0
UNQ9391	1.099	0
UNQ9433	1.07	0
UNQ9438	0.622	0.68
UPB1	2.067	3.09
UPF1	5.345	12.58
UPF2	6.554	7.37
UPF3A	2.359	8.71
UPF3B	2.381	10.37
UPK1A	1.223	0
UPK1B	2.058	0
UPK2	0.916	0
UPK3A	1.025	0
UPK3B	4.674	0.02
UPP1	4.215	0.62
UPP2	2.221	0
UPRT	2.147	5.41
UQCR	1.266	46.44
UQCRB	0.938	157.51
UQCRC1	1.617	65.69
UQCRC2	1.674	107.68
UQCRFS1	1.202	55.78
UQCRH	0.527	186.06
UQCRO	0.731	48.51
URG4	7.072	4.35
URM1	1.326	46.7
UROC1	3.127	0
UROD	1.383	53.84
UROS	1.279	64.8
URP2	3.087	38.31
USF1	2.077	31.07
USF2	1.709	121.3
USH1C	3.802	0
USH1G	3.561	0
USH2A	20.42	0
USHBP1	2.41	0.14
USMG5	0.553	34.88
USP1	4.362	5.95
USP10	2.995	13.02
USP11	3.29	49.19
USP12	2.352	2.76
USP12P1	2.29	0.11

USP12P2	2.243	0.53
USP12P3	2.243	0.15
USP13	2.98	3.11
USP14	4.156	5.59
USP15	4.611	6.31
USP16	3.223	5.07
USP18	2.037	19.8
USP19	4.771	15.82
USP2	2.968	0.2
USP20	5.956	5.01
USP21	2.354	10.6
USP22	6.496	34.45
USP24	10.069	4.83
USP25	4.968	3.9
USP26	2.794	0
USP27X	1.674	0.86
USP28	4.632	9.73
USP29	3.607	0
USP3	2.33	4.3
USP30	2.098	2.45
USP31	4.059	0.43
USP32	7.026	5.39
USP33	4.913	2.73
USP34	10.314	9.17
USP35	5.359	1.51
USP36	6.279	7.5
USP37	7.997	0.84
USP38	4.666	4.42
USP39	2.209	28.26
USP4	3.683	26.79
USP40	3.957	4.17
USP41	1.949	8.99
USP42	10.187	1.39
USP44	2.872	0
USP45	6.99	0.25
USP46	3.83	0.93
USP47	7.777	4.66
USP48	5.339	10.08
USP49	3.177	0.31
USP5	3.103	25.77
USP50	1.02	0.58
USP51	2.49	0.34
USP52	4.489	11.09
USP53	3.219	0.37
USP54	5.018	1.84
USP6	7.971	0.08
USP6NL	4.927	4.27
USP7	4.365	23.23
USP8	4.243	6.17
USP9X	12.614	8.4

USP9Y	10.04	1.55
USP9YP1	3.339	0
USP9YP2	3.339	0
USPL1	3.814	2.8
UST	4.197	2.63
UTF1	1.157	2.4
UTP11L	1.017	13.91
UTP14A	2.488	14.46
UTP14C	5.494	4.11
UTP15	3.655	1.2
UTP18	1.873	10.17
UTP20	8.995	1.76
UTP6	2.065	18.52
UTRN	10.636	6.99
UTS2	0.787	0
UTS2D	1.279	0
UTS2R	1.17	0.07
UTX	5.423	2.42
UTY	7.197	2.21
UVRAG	3.515	3.69
UXS1	2.084	31.04
UXT	0.909	89.33
VAC14	3.096	8.92
VAMP1	6.047	3.79
VAMP2	2.155	159.21
VAMP3	2.205	13.72
VAMP4	2.126	1.9
VAMP5	0.665	199.76
VAMP8	0.671	130.56
VANGL1	8.691	2.54
VANGL2	5.348	0.82
VAPA	6.994	7.38
VAPB	3.675	5.27
VARS	10.677	9.62
VARS2	12.21	0.1
VASH1	5.728	21.77
VASH2	3.572	0.66
VASN	2.806	0.15
VASP	3.328	28.98
VAT1	2.694	32.49
VAV1	2.888	31.32
VAV2	4.693	2.31
VAV3	4.757	18.87
VAX1	4.494	0
VAX2	1.147	0
VBP1	1.779	11.41
VCAM1	3.102	0.54
VCAN	11.355	4.69
VCL	5.49	16.34
VCP	3.544	40.57

VCPIP1	8.176	1.78
VCX	0.967	0
VCX2	0.815	0
VCX3A	0.995	0
VCX-C	1.081	0
VCY	0.551	0
VCY1B	0.545	0
VDAC1	1.806	56.86
VDAC1LP	0.535	0.31
VDAC2	1.503	25.33
VDAC2P	1.084	0
VDAC3	1.386	31.12
VDAC5P	0.273	0
VDP	3.891	10.33
VDR	4.775	0.23
VEGFA	7.706	0.26
VEGFB	1.118	44.83
VEGFC	2.079	0.12
VENTX	2.411	7.34
VENTXP1	2.716	0
VENTXP2	0.481	0
VENTXP3	2.035	0
VENTXP4	1.463	0.12
VENTXP5	1.909	0
VENTXP6	1.157	0
VENTXP7	0.983	0.43
VEPH1	3.044	0.03
VEZF1	4.914	16.21
VEZT	3.942	8.51
VGCNL1	6.923	0
VGf	5.092	0
VGLL1	1.212	0
VGLL2	3.489	0
VGLL3	10.396	0
VGLL4	3.542	22.73
VHL	2.968	20.83
VHLL	0.676	0
VIL1	2.694	0
VIL2	3.065	65.27
VILL	2.787	7.04
VIM	1.847	195.51
VIP	1.713	0
VIPR1	2.772	0.21
VIPR2	7.889	5.5
VISA	4.914	11.73
VIT	2.728	0
VKORC1	1.487	47.3
VKORC1L1	2.296	3.56
VKORC1P1	0.793	1.06
VKORC1P2	0.62	1.9

VLDLR	3.636	0.14
VMAC	1.628	5.12
VMO1	0.766	2.86
VN1R1	1.313	0.71
VN1R2	1.188	0
VN1R3	1.269	0
VN1R4	0.906	0
VN1R5	1.074	0
VN1R8P	0.815	0
VN1R9P	1.723	0
VN2R1P	2.325	0
VN2R9P	26.192	0
VNN1	3.106	0.65
VNN2	2.17	5.24
VNN3	2.638	0.03
VPRBP	5.859	6.77
VPREB1	0.641	1170.49
VPREB3	0.545	436.79
VPS11	3.222	19.45
VPS13A	12.551	1.13
VPS13B	14.938	1.37
VPS13C	15.672	3.61
VPS13D	16.329	3.67
VPS16	3.227	8.64
VPS18	3.895	15.19
VPS24	3.526	11.85
VPS25	1.101	34.65
VPS26A	4.408	3.8
VPS26B	3.669	52.09
VPS28	1.802	50.06
VPS29	1.101	30.07
VPS33A	2.603	7.16
VPS33B	2.49	4.33
VPS35	3.233	17.51
VPS36	4.423	9.2
VPS37A	2.02	5.05
VPS37B	2.742	25.47
VPS37C	2.692	2.97
VPS37D	4.072	0
VPS39	4.832	16.33
VPS41	11.376	2.08
VPS45	2.817	11.3
VPS4A	2.901	41.72
VPS4B	3.38	8.28
VPS52	8.853	0.09
VPS53	2.453	4.39
VPS54	4.2	3.91
VPS72	1.324	41.93
VPS8	5.009	3.78
VRK1	1.703	12.02

VRK2	1.994	4.65
VRK3	2.1	17.49
VSIG1	3.128	0
VSIG2	1.121	0
VSIG4	1.77	0.48
VSIG6	0.678	0
VSIG8	1.818	0.04
VSIG9	2.139	0.04
VSNL1	2.005	0
VSTM1	1.019	0.25
VSTM2	6.556	0
VSX1	2.336	0
VTCN1	1.795	0
VTI1A	1.738	1.26
VTI1B	1.277	20.39
VTN	1.678	0
VWA1	3.7	7.76
VWA2	3.634	24.97
VWC2	3.806	0
VWCE	3.292	6.02
VWF	8.833	0.5
VWFP	14.375	0.13
WAC	4.488	26.58
WAPAL	6.302	8.09
WARS	3.182	15.72
WARS2	4.971	1.45
WAS	1.805	53.3
WASF1	3.22	11.01
WASF2	5.495	94.48
WASF3	4.834	0.03
WASL	8.844	0.42
WBP1	1.165	35.79
WBP11	2.674	29.68
WBP2	1.857	49.35
WBP2NL	2.255	0.08
WBP4	2.333	3.39
WBP5	1.156	3.43
WBSCR16	4.756	5.67
WBSCR17	6.498	0
WBSCR18	5.068	3.31
WBSCR19	5.3	0.25
WBSCR22	2.46	15.54
WBSCR23	5.236	17.7
WBSCR27	1.862	0.45
WBSCR28	1.7	0
WDFY1	4.607	3.84
WDFY2	1.873	9.04
WDFY3	16.36	1.35
WDHD1	4.846	1.88
WDR1	3.143	164.48

WDR12	1.72	7.49
WDR13	2.096	22.38
WDR16	2.48	0.03
WDR17	7.49	0
WDR18	1.551	23.9
WDR19	4.52	1.81
WDR20	5.47	1.56
WDR21A	2.665	3.82
WDR21B	4.712	0.03
WDR21C	3.318	0
WDR22	5.815	9.73
WDR23	4.474	14.02
WDR24	3.165	6.52
WDR25	2.004	3.45
WDR26	6.236	11.96
WDR27	3.178	1.64
WDR3	3.858	6.9
WDR31	2.874	0.24
WDR32	3.088	1.94
WDR33	9.462	4.86
WDR34	1.818	26.83
WDR35	6.949	1.78
WDR36	6.592	2.09
WDR37	4.611	5.12
WDR4	2.331	3.9
WDR40A	3.631	8.33
WDR40B	3.379	0
WDR40C	1.421	0
WDR41	2.558	6.25
WDR42A	4.062	25.39
WDR42B	3.457	0.49
WDR42C	1.854	0.37
WDR44	4.141	2.42
WDR45	2.156	14.1
WDR45L	2.44	18.85
WDR45p	1.457	4.56
WDR46	6.135	0.12
WDR47	4.24	1.75
WDR48	3.692	7.44
WDR49	2.594	1.04
WDR5	3.241	14.6
WDR51A	1.889	6.82
WDR51B	2.971	3.91
WDR52	3.26	0.31
WDR53	1.571	3.86
WDR54	1.119	13.62
WDR55	2.529	5.7
WDR57	1.488	27.34
WDR59	3.663	7.52
WDR5B	4.183	1.07

WDR6	4.161	54.98
WDR60	7.532	1.6
WDR61	1.191	26.31
WDR62	4.688	1.74
WDR63	2.991	0
WDR64	2.31	0.03
WDR65	3.012	0.06
WDR66	3.739	1.26
WDR67	3.502	2.14
WDR68	6.353	22.03
WDR69	1.669	0
WDR7	7.282	1.84
WDR70	2.122	11.79
WDR71	1.585	6.11
WDR72	5.887	0
WDR73	1.83	9.43
WDR74	1.366	28.31
WDR75	2.674	7.09
WDR76	2.524	3
WDR77	2.408	20.26
WDR78	4.042	0.25
WDR79	1.834	8.46
WDR8	1.657	8.69
WDR81	3.958	9.66
WDR85	1.847	15.42
WDR86	4.408	20.05
WDR87	8.034	0
WDR89	3.22	3.22
WDR90	5.541	2.28
WDSOF1	2.161	13.6
WDSUB1	1.812	4.42
WDTC1	4.275	27.8
WEE1	4.231	3.01
WFDC1	1.378	0
WFDC10A	0.482	0
WFDC10B	0.734	0
WFDC11	0.615	0
WFDC12	0.774	0
WFDC13	1.372	0
WFDC2	1.083	0.08
WFDC3	1.186	0.14
WFDC5	1.008	0
WFDC6	0.619	0
WFDC8	1.533	0
WFDC9	0.659	0
WFIKKN1	1.948	0
WFIKKN2	3.519	0.03
WFS1	3.64	28.65
WHDC1	4.261	3.26
WHDC1L1	1.996	0.72

WHDC1L2	1.889	0.66
WHSC1	18.853	4.08
WHSC1L1	7.053	7.21
WHSC2	2.246	15.49
WIBG	1.226	22.12
WIF1	1.978	0
WIPF1	4.819	105.48
WIPF2	5.525	7.42
WIPF3	6.482	0.02
WIP11	1.886	3.08
WIP12	10.438	7.85
WISP1	2.898	0
WISP2	1.404	0
WISP3	2.064	0
WIT1	1.962	2.32
WIZ	6.066	9.32
WNK1	7.708	14.87
WNK2	6.834	0.01
WNK3	7.835	0
WNK4	4.131	0.02
WNT1	2.367	0
WNT10A	2.375	0.11
WNT10B	2.271	0
WNT11	1.927	0.04
WNT16	6.456	0.02
WNT2	4.62	0.09
WNT2B	2.214	0.03
WNT3	1.497	0.06
WNT3A	2.932	0
WNT4	1.595	0.05
WNT5A	5.838	0
WNT5B	3.27	0
WNT6	1.7	0
WNT7A	1.714	0.25
WNT7B	2.231	0
WNT8A	1.498	0
WNT8B	2.112	0
WNT9A	2.758	8.55
WNT9B	1.464	0
WRB	1.327	6.53
WRN	5.746	1.26
WRNIP1	2.819	22.09
WSB1	2.832	12.79
WSB2	2.822	21.88
WT1	3.113	2.63
WTAP	3.468	17.39
WTIP	2.204	0.26
WWC1	4.15	0.02
WWC2	6.373	0.02
WWC3	6.63	34.98

WVOX	1.695	2.93
WWP1	4.108	2.73
WWP2	6.766	7.02
WWTR1	1.997	1.39
XAB1	1.794	28.45
XAB2	2.655	22.68
XAF1	3.626	6.15
XAGE1	1.486	0
XAGE2	0.713	0
XAGE3	0.549	0
XAGE5	0.477	0
XBP1	1.82	480.33
XBPP1	1.541	2.24
XCL1	1.222	0.07
XCL2	0.552	0
XCR1	1.373	0
XDH	5.717	0
XG	2.291	0.15
XIST	19.271	0
XK	5.085	0.15
XKR3	1.615	0
XKR4	3.913	1.85
XKR5	4.894	0
XKR6	3.761	0
XKR7	2.91	0
XKR8	2.514	8.01
XKR9	3.174	0.03
XKRX	2.846	0
XKRY	1.581	0
XKRY2	1.581	0
XKRYP1	1.797	0
XKRYP2	1.797	0
XKRYP3	1.799	0
XKRYP4	1.799	0
XKRYP5	1.799	0
XKRYP6	1.798	0
XLKD1	2.413	7.5
XPA	1.54	9.08
XPC	3.691	12.08
XPNPEP1	2.43	18.92
XPNPEP2	3.333	3.24
XPNPEP3	3.06	1.93
XPO1	4.83	31.64
XPO4	8.234	2.99
XPO5	5.212	7.58
XPO6	3.934	25.35
XPO7	4.831	15.9
XPOT	3.868	8.1
XPOTP1	2.398	1.4
XPR1	4.534	2.43

XRCC1	2.087	26.23
XRCC2	6.145	0.21
XRCC3	2.942	10.77
XRCC4	1.934	1.09
XRCC5	3.304	65.01
XRCC6	2.133	128.07
XRCC6BP1	1.442	3.21
XRN1	10.092	1.5
XRN2	3.435	21.14
XRRA1	7.27	1.5
XTP3TPA	1.12	31.51
XX-2136C111.3	0.809	0.1
XXbac-BCX216M5.7	0.466	0
XYLB	3.694	0.43
XYLT1	7.785	16.94
XYLT2	3.567	9.64
YAF2	7.991	0.71
YAP1	5.092	0
YARS	3.117	35.84
YARS2	2.179	5.69
YBX1	1.489	192.06
YBX1P1	1.555	5.69
YBX2	1.57	0
YDD19	1.025	0.08
YEATS2	6.501	5.97
YEATS4	1.385	6.51
YES1	4.685	0.9
YESP	4.777	0.16
YIF1A	1.055	26.75
YIF1B	1.814	22.99
YIPF1	1.804	12.05
YIPF2	1.504	22.24
YIPF3	1.55	64.24
YIPF4	1.875	4.18
YIPF5	3.115	2.97
YIPF6	1.194	1.69
YIPF7	1.239	0
YKT6	5.532	13.46
YLPM1	7.158	19.87
YME1L1	4.221	16.36
YME1L2	2.584	0
YOD1	6.265	1.02
YPEL1	4.285	6.92
YPEL2	5.232	2.14
YPEL3	1.588	61.27
YPEL4	1.721	0.83
YPEL5	2.181	44.14
YRDC	1.836	7.89
YSK4	4.165	0.02
YTHDC1	6.249	15.13

YTHDC2	6.286	1.95
YTHDF1	3.253	17.22
YTHDF1P	2.719	0.09
YTHDF2	2.713	28.32
YTHDF2P	2.11	1.76
YTHDF3	5.093	4.95
YWHAB	3.105	82.47
YWHAE	3.477	27.88
YWHAG	7.426	15.96
YWHAH	1.793	49.52
YWHAQ	2.166	102.39
YWHAQP	0.905	0
YWHAQP2	1.035	0.57
YWHAZ	3.177	44.99
YWHAZP1	0.988	0
YWHAZP3	2.758	1.04
YWHAZP4	1.034	2.69
YY1	4.908	22.98
YY1AP1	3.991	20.86
YY2	1.119	1.43
ZADH1	2.538	3.92
ZADH2	4.133	11.8
ZAK	9.859	2.53
ZAN	17.616	0.06
ZAP70	2.736	7.23
ZAR1	1.927	3.89
ZBED1	4.507	15.18
ZBED2	2.187	0
ZBED3	2.465	12.41
ZBED4	5.218	8.43
ZBED5	2.642	9.41
ZBP1	2.195	0.08
ZBTB1	4.199	6.99
ZBTB10	4.365	3.55
ZBTB11	5.043	2.67
ZBTB12	5.597	0
ZBTB16	2.426	0.31
ZBTB17	2.638	10.61
ZBTB2	3.086	2.37
ZBTB20	2.965	0.14
ZBTB22	7.899	0.23
ZBTB24	5.597	3.3
ZBTB25	1.577	2.67
ZBTB26	1.91	1.5
ZBTB3	2.932	0.75
ZBTB32	1.96	0.13
ZBTB33	5.209	4.92
ZBTB34	7.086	1.52
ZBTB37	1.334	0.38
ZBTB38	8.113	1.27

ZBTB39	6.17	1.73
ZBTB4	5.879	9.24
ZBTB40	7.211	3.99
ZBTB41	8.474	0.39
ZBTB43	2.906	0.58
ZBTB44	3.844	6.51
ZBTB45	2.352	5.27
ZBTB46	4.376	0.81
ZBTB47	4.2	2.67
ZBTB48	2.289	11.85
ZBTB5	4.627	1.42
ZBTB6	4.112	0.68
ZBTB7A	4.441	6.07
ZBTB7B	2.126	4.87
ZBTB7C	3.774	0.03
ZBTB8	7.333	0.23
ZBTB8OS	0.717	12.1
ZBTB9	2.712	2.33
ZC3H10	2.121	3.34
ZC3H11A	7.982	6.88
ZC3H12A	2.682	1.35
ZC3H12B	7.006	0.2
ZC3H12C	10.333	0.34
ZC3H12D	2.39	8.32
ZC3H13	6.594	16.52
ZC3H14	5.312	6.53
ZC3H15	2.128	18.24
ZC3H3	3.253	11.21
ZC3H6	4.792	0.44
ZC3H7A	3.845	8.54
ZC3H7B	5.868	29.67
ZC3H8	1.59	5.83
ZC3HAV1	15.944	6.76
ZC3HAV1L	3.506	0.53
ZC3HC1	3.828	4.62
ZCCHC10	2.122	3.77
ZCCHC11	6.262	6.65
ZCCHC12	2.197	0
ZCCHC13	0.842	0
ZCCHC14	6.911	2.95
ZCCHC16	2.958	0
ZCCHC17	1.602	13.98
ZCCHC2	4.604	4.44
ZCCHC23	1.951	0
ZCCHC3	2.762	23.76
ZCCHC4	4.203	1.34
ZCCHC5	2.648	0.03
ZCCHC6	5.647	4.21
ZCCHC7	4.024	22.44
ZCCHC8	2.864	7.73

ZCCHC9	4.606	2.87
ZCD1	0.898	7.51
ZCD1B	0.697	0.24
ZCD2	1.583	7.77
ZCRB1	1.844	12.47
ZCWPW1	4.674	1.21
ZCWPW2	1.658	0
ZDHHC1	2.041	1.03
ZDHHC11	2.604	0.49
ZDHHC11B	1.774	0.14
ZDHHC12	1.152	34.08
ZDHHC13	2.711	1.46
ZDHHC14	3.141	0.94
ZDHHC15	1.782	0.66
ZDHHC16	2.189	15.05
ZDHHC17	5.259	4.67
ZDHHC18	3.136	10.85
ZDHHC19	1.337	0
ZDHHC2	3.817	3.9
ZDHHC20	1.958	4.73
ZDHHC21	3.205	0.84
ZDHHC22	3.077	0
ZDHHC23	3.778	0.62
ZDHHC24	1.317	12.86
ZDHHC3	2.72	14.74
ZDHHC4	5.505	12.24
ZDHHC5	4.56	20.65
ZDHHC6	2.17	8.54
ZDHHC7	3.157	16.51
ZDHHC8	3.71	12.87
ZDHHC9	3.168	7.95
ZEB1	4.259	8.88
ZEB2	5.56	6.8
ZER1	4.554	15.98
ZFAND1	1.793	8.83
ZFAND2A	1.686	6.19
ZFAND2B	1.291	16.51
ZFAND3	3.005	36.07
ZFAND5	2.424	22.38
ZFAND6	1.68	8.08
ZFAT1	8.024	2.45
ZFHX2	5.675	0.2
ZFHX4	12.103	0.02
ZFP1	3.154	2.08
ZFP106	10.457	5.4
ZFP14	5.659	0.77
ZFP161	2.896	4.04
ZFP2	2.405	0.46
ZFP28	4.087	0.93
ZFP3	4.995	1.08

ZFP30	4.611	0.42
ZFP36	1.745	60
ZFP36L1	3.022	49.95
ZFP36L2	3.306	96.34
ZFP37	2.752	0.4
ZFP41	4.786	1.86
ZFP42	2.646	0.09
ZFP57	5.94	0.02
ZFP62	4.053	0
ZFP64	5.218	2.49
ZFP90	4.651	3.32
ZFP91	5.155	11.34
ZFP91-CNTF	0.1	0
ZFPL1	1.386	20.11
ZFPM1	3.345	0.25
ZFPM2	4.48	0
ZFR	4.715	18.99
ZFX	5.811	2.81
ZFY	4.556	1.42
ZFYVE1	4.577	5.11
ZFYVE16	6.277	1.9
ZFYVE19	1.784	9.96
ZFYVE20	6.678	1.57
ZFYVE21	1.383	6.15
ZFYVE26	9.669	3.01
ZFYVE27	3.113	16.72
ZFYVE28	4.11	0.02
ZFYVE9	5.19	2.3
ZG16	0.609	0
ZGPAT	3.797	10.16
ZH2C2	1.731	0.93
ZHX1	5.106	3.43
ZHX2	4.359	26.53
ZHX3	9.991	1.64
ZIC1	5.231	0
ZIC2	2.682	0.06
ZIC3	3.939	0
ZIC4	4.087	0
ZIC5	2.421	0
ZIK1	2.676	3.06
ZIM2	2.083	0
ZIM3	2.627	0
ZKSCAN1	12.746	6.05
ZKSCAN2	7.113	0.54
ZKSCAN3	2.227	2.31
ZKSCAN4	2.286	4.61
ZKSCAN5	8.746	2.58
ZMAT1	10.558	1.33
ZMAT2	1.512	74.32
ZMAT3	4.712	14.09

ZMAT4	2.465	0
ZMAT5	1.033	20.22
ZMIZ1	7.041	35.67
ZMIZ2	11.002	7.97
ZMPSTE24	3.103	7.27
ZMYM1	4.205	0.76
ZMYM2	5.217	7.22
ZMYM3	5.585	15.67
ZMYM4	6.994	7.68
ZMYM5	1.872	1.26
ZMYM6	3.095	6.36
ZMYND10	1.773	0.24
ZMYND11	4.544	10.62
ZMYND12	1.67	0.86
ZMYND15	2.274	0.19
ZMYND17	2.423	0.7
ZMYND19	1.37	14.27
ZMYND8	4.958	18.86
ZNF10	4.405	1.32
ZNF100	5.638	1.27
ZNF101	1.45	9.59
ZNF114	2.206	0.95
ZNF117	2.744	0.76
ZNF12	5.622	1.47
ZNF121	1.729	1.71
ZNF124	1.674	0.76
ZNF131	2.415	6.28
ZNF132	3.03	0.37
ZNF133	2.665	4.04
ZNF134	3.538	3.52
ZNF135	3.025	1.11
ZNF136	2.971	2.3
ZNF137	2.484	1.5
ZNF138	4.46	1.07
ZNF14	2.963	0.43
ZNF140	3.067	2.58
ZNF141	2.977	1.41
ZNF142	6.234	5.27
ZNF143	2.487	4.98
ZNF146	3.18	16.1
ZNF148	3.03	4.48
ZNF154	1.59	3.34
ZNF155	2.716	1.92
ZNF157	2.008	0.04
ZNF16	2.821	2.15
ZNF160	4.98	3.72
ZNF165	2.635	1.02
ZNF167	3.976	0.36
ZNF169	1.939	0.74
ZNF17	2.524	1

ZNF174	3.15	2.59
ZNF175	3.785	1.76
ZNF177	1.835	2.3
ZNF179	3.085	0
ZNF18	2.767	1.77
ZNF180	3.1	1.06
ZNF181	3.591	1.45
ZNF182	3.641	1.55
ZNF184	3.078	2.46
ZNF185	3.598	0.93
ZNF187	3.65	2.56
ZNF189	3.698	3.62
ZNF19	2.644	0.29
ZNF192	5.362	2.04
ZNF193	1.637	4.16
ZNF195	2.287	4.49
ZNF197	6.409	1.83
ZNF2	4.081	1.22
ZNF20	2.317	1.46
ZNF200	4.438	1.39
ZNF202	4.055	3.31
ZNF204	17.712	0
ZNF205	2.017	4.3
ZNF207	3.611	51.98
ZNF208	3.504	0.03
ZNF211	2.452	4.98
ZNF212	5.551	1.25
ZNF213	3.202	8.1
ZNF214	2.623	0
ZNF215	3.658	0
ZNF217	5.635	14.62
ZNF219	3.04	12.11
ZNF22	2.552	28.68
ZNF221	2.535	0.63
ZNF222	1.594	1.74
ZNF223	2.414	1.11
ZNF224	2.466	3.52
ZNF225	2.467	0.92
ZNF226	3.538	2.81
ZNF227	3.042	4.63
ZNF228	3.656	0.48
ZNF229	2.524	0
ZNF23	3.243	1.4
ZNF230	4.109	0.66
ZNF232	2.078	2.8
ZNF233	2.782	0.09
ZNF234	2.357	1.61
ZNF235	3.083	0.57
ZNF236	8.124	1.22
ZNF238	5.942	2.78

ZNF239	2.386	1.06
ZNF24	2.731	9.75
ZNF248	4.883	2.26
ZNF25	3.736	1.42
ZNF250	2.15	1.05
ZNF251	2.519	1.37
ZNF253	2.329	1.48
ZNF254	1.59	1.43
ZNF256	2.21	2.6
ZNF257	2.18	0.2
ZNF259	1.778	15.21
ZNF26	3.059	3.47
ZNF260	5.391	1.25
ZNF263	3.286	9.59
ZNF264	6.594	0.76
ZNF266	3.601	8.77
ZNF267	3.191	2.22
ZNF268	2.57	0.85
ZNF271	2.408	6.51
ZNF273	7.502	0.16
ZNF274	3.32	8.19
ZNF275	5.408	3.08
ZNF276	3.772	10.56
ZNF277P	3.564	3.14
ZNF28	4.675	2.12
ZNF281	3.521	3.08
ZNF282	7.465	3.94
ZNF284	2.208	0.84
ZNF285A	2.674	0.13
ZNF285B	16.758	0.03
ZNF286A	2.515	1.84
ZNF287	3.152	0.61
ZNF289	2.762	31.93
ZNF291	4.674	1.64
ZNF292	10.61	2.65
ZNF294	7.703	2.06
ZNF295	7.368	0.32
ZNF299P	1.468	0
ZNF3	8.15	1.96
ZNF30	2.583	1.37
ZNF300	3.104	0.27
ZNF302	2.795	4.1
ZNF304	4.315	1.72
ZNF311	8.094	0
ZNF313	2.467	36.67
ZNF317	4.051	7.17
ZNF318	8.006	3.24
ZNF319	4.22	4.01
ZNF32	1.279	22.2
ZNF320	6.145	2.59

ZNF322A	2.692	0.81
ZNF322B	2.374	0.78
ZNF323	5.621	0.73
ZNF324	3	2.83
ZNF324B	2.995	1.69
ZNF326	4.297	5.82
ZNF329	3.413	2.1
ZNF330	1.843	14.17
ZNF331	5.042	1.07
ZNF333	3.767	3.4
ZNF334	3.809	0.2
ZNF335	4.452	6.47
ZNF337	3.197	13.6
ZNF33A	5.249	2.25
ZNF33B	5.958	1.33
ZNF34	2.038	1.61
ZNF341	3.316	1.37
ZNF342	1.586	11.85
ZNF343	3.632	3.15
ZNF345	3.119	0.43
ZNF346	3.086	3.65
ZNF347	3.502	0.96
ZNF35	2.62	0.74
ZNF350	2.341	4.17
ZNF354A	2.555	3.13
ZNF354B	2.141	1.81
ZNF354C	2.377	0.81
ZNF358	1.882	25.55
ZNF364	2.22	9.22
ZNF365	7.476	0
ZNF366	2.77	0.03
ZNF367	1.691	1.15
ZNF37A	7.116	3.01
ZNF37B	0.701	0.48
ZNF381P	1.134	0
ZNF382	2.813	0.15
ZNF383	1.694	1.5
ZNF384	3.963	17.07
ZNF385	2.404	15.56
ZNF394	4.29	3.26
ZNF395	4.802	21.86
ZNF396	2.788	0
ZNF397	1.42	2.67
ZNF398	11.322	0.88
ZNF402P	3.496	0
ZNF403	2.78	13.43
ZNF404	1.709	0.59
ZNF405P	1.518	0
ZNF407	3.48	1.16
ZNF408	2.441	4.45

ZNF41	3.533	1.93
ZNF410	2.178	11.45
ZNF414	1.178	9.23
ZNF415	2.27	0.26
ZNF416	2.509	1.21
ZNF417	3.597	1.57
ZNF418	3.694	1.37
ZNF419	2.309	2.22
ZNF420	2.984	0.73
ZNF423	5.002	24.27
ZNF425	6.32	0.65
ZNF426	2.318	2.25
ZNF428	1.387	59.15
ZNF429	1.897	1.47
ZNF43	5.217	1.37
ZNF430	2.649	1.3
ZNF431	3.798	1.38
ZNF432	2.573	1.61
ZNF433	2.321	0.43
ZNF434	3.027	4.87
ZNF436	3.788	3.71
ZNF438	3.144	1.31
ZNF439	2.55	3.1
ZNF44	3.715	1.16
ZNF440	3.533	0.71
ZNF441	2.828	0.12
ZNF442	2.797	0.21
ZNF443	2.562	1.94
ZNF444	2.043	16.86
ZNF445	9.105	3.32
ZNF446	1.974	4.1
ZNF449	4.034	0.46
ZNF45	3.153	2.97
ZNF451	5.305	3.72
ZNF452	7.805	0.13
ZNF454	2.3	0
ZNF460	3.139	0.27
ZNF461	3.192	0.26
ZNF462	8.306	2.46
ZNF467	4.739	18.86
ZNF468	5.546	0.91
ZNF469	13.203	0.04
ZNF470	2.514	0.33
ZNF471	4.967	0.02
ZNF473	4.761	2.94
ZNF474	1.957	0
ZNF479	4.144	0
ZNF480	4.717	2.5
ZNF483	5.239	0.02
ZNF484	3.248	0.54

ZNF485	2.052	1.84
ZNF486	4.268	0.45
ZNF487	1.266	0.47
ZNF488	3.496	0
ZNF490	6.345	1.73
ZNF491	2.823	0.09
ZNF492	3.573	0.07
ZNF493	4.209	0.88
ZNF496	3.552	6.71
ZNF497	3.466	2.8
ZNF498	9.454	2.16
ZNF500	3.252	3.44
ZNF501	3.063	0.93
ZNF502	3.27	0.36
ZNF503	2.787	0
ZNF506	4.14	2.73
ZNF507	7.585	1.05
ZNF508	5.388	6.19
ZNF509	2.885	1.22
ZNF510	5.154	2.19
ZNF511	1.08	15.91
ZNF512	3.426	16.25
ZNF513	2.136	9.9
ZNF514	3.204	1.32
ZNF516	8.822	0.96
ZNF517	2.536	1.76
ZNF518	7.282	2.14
ZNF519	1.968	0.9
ZNF521	4.87	1.4
ZNF524	1.109	12.92
ZNF525	3.902	0.58
ZNF526	3.954	2.51
ZNF528	3.978	1.8
ZNF529	4.466	0.85
ZNF530	2.959	0.91
ZNF532	6.464	0
ZNF533	3.123	0
ZNF534	2.085	0
ZNF536	4.935	0
ZNF540	3.147	0.19
ZNF541	2.944	0
ZNF542	14.559	0.49
ZNF543	3.659	0.62
ZNF544	3.732	7.69
ZNF545	2.616	1.74
ZNF546	4.508	0.34
ZNF547	2.776	0.67
ZNF548	3.381	2.14
ZNF549	3.969	1.89
ZNF550	1.146	3.31

ZNF551	3.663	1.52
ZNF552	2.07	1.71
ZNF553	2.203	5.69
ZNF554	2.486	1.96
ZNF555	2.062	2.53
ZNF556	1.632	0.2
ZNF557	1.362	1.8
ZNF558	3.014	2.29
ZNF559	3.042	3.24
ZNF560	2.865	0
ZNF561	3.394	3.59
ZNF562	5.523	2.15
ZNF563	2.754	0.18
ZNF564	2.553	2.48
ZNF565	2.506	0.6
ZNF566	2.643	0.71
ZNF567	2.689	1.28
ZNF568	3.774	0.74
ZNF569	4.059	0.98
ZNF57	1.935	3.79
ZNF570	2.247	0.37
ZNF571	2.276	0.48
ZNF572	3.26	0.28
ZNF573	2.501	0.47
ZNF574	3.601	5.82
ZNF575	1.55	3.1
ZNF576	1.468	4.02
ZNF577	3.064	1.27
ZNF578	1.723	0.05
ZNF579	2.136	8.72
ZNF580	1.589	27.57
ZNF581	1.226	29.13
ZNF582	2.297	0.7
ZNF583	2.566	1.28
ZNF584	2.261	1.86
ZNF585A	4.194	1.34
ZNF585B	2.971	1.05
ZNF586	2.163	6.85
ZNF587	3.553	2.68
ZNF588	11.016	1.54
ZNF589	2.374	2.38
ZNF592	5.09	9.86
ZNF593	0.621	25.64
ZNF594	4.863	1.96
ZNF595	2.86	0.71
ZNF596	2.598	0.32
ZNF597	1.773	0.86
ZNF598	3.197	12.94
ZNF599	4.707	0.89
ZNF600	3.816	1.23

ZNF605	6.163	1.44
ZNF606	4.226	1.26
ZNF607	4.352	1.8
ZNF608	5.645	12.28
ZNF609	8.618	11.12
ZNF610	1.855	1.09
ZNF611	3.153	1.12
ZNF613	2.625	1.5
ZNF614	4.613	1.06
ZNF615	4.033	0.85
ZNF616	3.047	2.05
ZNF618	2.992	0.96
ZNF619	2.2	1.38
ZNF620	2.102	0.52
ZNF621	8.106	1.54
ZNF622	1.692	10.65
ZNF623	5.871	2.79
ZNF624	4.232	0.54
ZNF625	1.678	1.55
ZNF626	1.126	0.53
ZNF627	2.772	1.73
ZNF628	3.843	3.95
ZNF629	6.087	6.97
ZNF630	2.561	0.42
ZNF638	6.615	10.83
ZNF639	3.013	4.97
ZNF641	2.326	3.59
ZNF642	2.159	1.91
ZNF643	1.976	0.38
ZNF644	5.888	1.83
ZNF645	1.515	0
ZNF646	6.458	6.12
ZNF648	3.649	0
ZNF649	3.169	1.33
ZNF650	4.68	1.78
ZNF652	6.29	3.23
ZNF653	2.152	2.35
ZNF654	2.152	2.15
ZNF655	23.742	0.9
ZNF658	3.966	0.06
ZNF658B	3.375	0
ZNF659	1.655	0
ZNF66	2.1	0.32
ZNF660	2.205	0.69
ZNF662	3.919	0
ZNF664	5.108	8.52
ZNF665	3.478	0.39
ZNF667	3.326	0
ZNF668	2.625	12.83
ZNF669	1.905	2.3

ZNF670	2.005	0.8
ZNF671	2.422	7.44
ZNF672	2.936	32.85
ZNF673	2.292	7.28
ZNF674	2.689	0.66
ZNF675	1.87	3.11
ZNF676	2.091	0.04
ZNF677	3.493	0.31
ZNF678	2.525	0.7
ZNF679	2.776	0
ZNF680	6.052	0.76
ZNF681	2.132	1.27
ZNF682	1.495	1.13
ZNF683	1.71	0.39
ZNF684	2.094	0.88
ZNF687	4.508	11.21
ZNF688	2.125	3.25
ZNF689	2.722	2.75
ZNF69	1.438	1.29
ZNF691	1.577	3.79
ZNF692	1.931	11
ZNF695	0.871	0.77
ZNF696	2.691	1.34
ZNF697	5.08	0.07
ZNF7	2.353	5.23
ZNF70	4.017	4.78
ZNF700	2.865	2.56
ZNF701	2.864	1.24
ZNF702	2.996	0.5
ZNF703	2.174	1.63
ZNF704	4.303	1.84
ZNF705A	3.438	0
ZNF705C	26.169	0
ZNF706	2.89	21.98
ZNF707	2.218	3.15
ZNF708	4.003	1.07
ZNF709	2.154	0.66
ZNF71	3.105	3.53
ZNF710	3.316	4.67
ZNF711	4.126	3.16
ZNF713	4.13	0.25
ZNF714	2.692	0.25
ZNF716	2.601	0
ZNF718	2.149	0.27
ZNF720	2.707	3.67
ZNF721	4.644	2.19
ZNF724P	64.181	0.29
ZNF738	3.61	1.33
ZNF74	3.758	5.11
ZNF740	3.391	12.47

ZNF746	7.384	2.92
ZNF747	2.529	4.99
ZNF749	2.076	0.57
ZNF75	5.538	1.63
ZNF750	3.158	0.05
ZNF75A	2.071	7.53
ZNF75B	2.543	0.07
ZNF76	2.653	10.13
ZNF761	3.681	3.06
ZNF763	2.639	0.32
ZNF764	2.738	2.31
ZNF765	4.577	0.92
ZNF766	2.975	3.65
ZNF767	7.04	2.26
ZNF768	2.312	24.56
ZNF77	2.001	3.41
ZNF770	5.403	4.29
ZNF771	1.899	2.08
ZNF772	5.419	1.51
ZNF773	2.203	1.49
ZNF774	1.773	0.24
ZNF775	4.46	1.95
ZNF776	4.936	3.26
ZNF777	3.892	7.01
ZNF778	2.915	0.66
ZNF780A	1.824	0.13
ZNF780B	2.502	1.92
ZNF781	3.078	0.05
ZNF782	3.313	0.76
ZNF783	6.005	2.38
ZNF784	3.73	11.29
ZNF785	3.183	4.65
ZNF786	6.679	0.83
ZNF787	1.928	30.06
ZNF788	2.106	1
ZNF789	3.534	2.36
ZNF79	2.077	3.29
ZNF790	2.413	0.49
ZNF791	2.474	0.95
ZNF792	3.284	2.74
ZNF793	2.412	0.14
ZNF799	3.931	0.58
ZNF8	2.21	1.75
ZNF80	2.56	0
ZNF800	8.444	0.68
ZNF804A	4.685	0
ZNF804B	9.176	0
ZNF805	8.865	0.34
ZNF808	1.147	0.58
ZNF81	3.745	0.99

ZNF813	3.571	0.45
ZNF815	2.73	0.8
ZNF816A	2.697	1.03
ZNF818	2.379	2.62
ZNF83	2.633	6.91
ZNF84	3.467	4.13
ZNF85	2.296	2.75
ZNF91	3.838	3.18
ZNF92	6.712	0.31
ZNF93	2.423	0.73
ZNF99	3.111	0.03
ZNFX1	7.321	11.84
ZNHIT1	2.378	23.42
ZNHIT2	1.296	5.59
ZNHIT3	1.366	12.27
ZNHIT4	1.212	23.42
ZNRD1	3.029	0.5
ZNRF1	4.633	22.77
ZNRF2	6.92	2.97
ZNRF3	6.989	0.47
ZNRF4	1.426	0
ZP1	1.972	0
ZP2	2.266	4.61
ZP3	2.9	4.24
ZP4	1.635	0
ZPBP	2.662	2.31
ZPBP2	2.257	0.08
ZPLD1	3.619	0
ZRANB1	2.709	6.25
ZRANB2	4.765	8.47
ZRANB3	3.698	1.14
ZRF1	4.424	3.25
ZRF1PS	4.028	0.15
ZRSR1	1.551	2.77
ZRSR2	1.491	6.33
ZSCAN1	2.054	0
ZSCAN10	2.463	0.03
ZSCAN12	3.911	1.42
ZSCAN16	1.276	3.03
ZSCAN18	2.779	11.37
ZSCAN2	4.406	4.38
ZSCAN20	3.997	0.3
ZSCAN21	3.978	1.69
ZSCAN22	4.629	0.76
ZSCAN29	2.77	4.29
ZSCAN4	2.231	0.15
ZSCAN5	1.922	0.96
ZSWIM1	2.169	2.33
ZSWIM2	2.446	0
ZSWIM3	2.776	1.37

ZSWIM4	4.339	3.38
ZSWIM5	6.157	0.05
ZSWIM6	5.545	3.68
ZUBR1	15.882	9.4
ZW10	2.884	4.33
ZWILCH	3.079	2.35
ZWINT	3.591	10.34
ZXDA	2.871	0.94
ZXDB	5.642	0.91
ZXDC	2.473	4.8
ZYG11A	2.428	0
ZYG11B	6.404	1.24
ZYX	4.636	13.76
ZZEF1	11.395	4.62
ZZZ3	4.325	3.95