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344752	AADACL2
79719	AAGAB
15	AANAT
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57505	AARS2
10157	AASS
18	ABAT
19	ABCA1
10349	ABCA10
26154	ABCA12
154664	ABCA13
20	ABCA2
21	ABCA3
24	ABCA4
5243	ABCB1
8647	ABCB11
5244	ABCB4
10058	ABCB6
22	ABCB7
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85320	ABCC11
1244	ABCC2
8714	ABCC3
10257	ABCC4
368	ABCC6
6833	ABCC8
10060	ABCC9
215	ABCD1
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5826	ABCD4
9429	ABCG2
64240	ABCG5
64241	ABCG8
26090	ABHD12
51099	ABHD5
25890	ABI3BP
25	ABL1
27	ABL2
28	ABO
31	ACACA
32	ACACB
80724	ACAD10
84129	ACAD11
27034	ACAD8

28976	ACAD9
33	ACADL
34	ACADM
35	ACADS
36	ACADSB
37	ACADV1
176	ACAN
38	ACAT1
39	ACAT2
91452	ACBD5
84320	ACBD6
84680	ACCS
1636	ACE
43	ACHE
47	ACLY
50	ACO2
51	ACOX1
52	ACP1
53	ACP2
54	ACP5
197322	ACSF3
2182	ACSL4
51703	ACSL5
23305	ACSL6
6296	ACSM3
58	ACTA1
59	ACTA2
60	ACTB
70	ACTC1
71	ACTG1
88	ACTN2
81	ACTN4
90	ACVR1
91	ACVR1B
130399	ACVR1C
92	ACVR2A
93	ACVR2B
94	ACVRL1
95	ACY1
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8312	AXIN1
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558	AXL
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613	BCR
617	BCS1L
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714	C1QC
715	C1R
716	C1S
54149	C21orf91
9847	C2CD5
54980	C2orf42
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718	C3
719	C3AR1
55286	C4orf19
152816	C4orf26
727	C5
27202	C5AR2
65250	C5orf42
729	C6
730	C7
79783	C7orf10
731	C8A
732	C8B
157657	C8orf37
735	C9

203228	C9orf72
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760	CA2
762	CA4
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23523	CABIN1
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776	CACNA1D
777	CACNA1E
778	CACNA1F
8913	CACNA1G
8912	CACNA1H
779	CACNA1S
781	CACNA2D1
9254	CACNA2D2
55799	CACNA2D3
93589	CACNA2D4
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785	CACNB4
10369	CACNG2
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27092	CACNG4
23705	CADM1
93664	CADPS2
796	CALCA
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255022	CALHM1
801	CALM1
808	CALM3
811	CALR
125972	CALR3
814	CAMK4
79823	CAMKMT
23271	CAMSAP2
23261	CAMTA1
124583	CANT1
11132	CAPN10
825	CAPN3
84433	CARD11
79092	CARD14
64170	CARD9
9607	CARTPT
57082	CASC5
8573	CASK
834	CASP1

843	CASP10
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847	CAT
117144	CATSPER1
117155	CATSPER2
347732	CATSPER3
378807	CATSPER4
857	CAV1
859	CAV3
865	CBFB
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868	CBLB
873	CBR1
874	CBR3
875	CBS
84733	CBX2
8535	CBX4
25776	CBY1
54862	CC2D1A
57545	CC2D2A
147372	CCBE1
388389	CCDC103
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220136	CCDC11
133957	CCDC127
64770	CCDC14
28952	CCDC22
79140	CCDC28B
339829	CCDC39
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152137	CCDC50
285331	CCDC66
124093	CCDC78
83987	CCDC8
440193	CCDC88C
886	CCKAR
887	CCKBR
6356	CCL11
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729230	CCR2
1232	CCR3
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22948	CCT5
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57126	CD177
930	CD19
4345	CD200
50489	CD207
30835	CD209
51744	CD244
919	CD247
939	CD27
23607	CD2AP
51293	CD320
948	CD36
952	CD38
915	CD3D
916	CD3E
917	CD3G
920	CD4
958	CD40
959	CD40LG
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4179	CD46
921	CD5
1604	CD55
966	CD59
972	CD74
973	CD79A
974	CD79B
941	CD80
975	CD81
942	CD86
925	CD8A
10225	CD96
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92211	CDHR1
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1019	CDK4

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1021	CDK6
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1952	CELSR2
55835	CENPJ
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22995	CEP152
22897	CEP164
80184	CEP290
95681	CEP41
9702	CEP57
80254	CEP63
387119	CEP85L
375298	CERKL
253782	CERS6
1066	CES1
8824	CES2
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1675	CFD
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3078	CFHR1
81494	CFHR5
3426	CFI
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5199	CFP
1080	CFTR
1082	CGB
1103	CHAT
9557	CHD1L
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1107	CHD3
84181	CHD6
55636	CHD7
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11200	CHEK2
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27159	CHIA
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1121	CHM
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128866	CHMP4B
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1128	CHRM1
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1147	CHUK
10518	CIB2
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84916	CIRH1A
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1158	CKM
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54805	CNNM2
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1270	CNTF
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57511	COG6
91949	COG7
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1300	COL10A1
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1302	COL11A2
1308	COL17A1
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1278	COL1A2
81578	COL21A1
1280	COL2A1
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27235	COQ2
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10699	CORIN
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1327	COX411
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1340	COX6B1
1349	COX7B
1356	CP
57094	CPA6
1361	CPB2
1363	CPE
10814	CPLX2
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1371	CPOX
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1374	CPT1A
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8532	CPZ
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8738	CRADD
23418	CRB1
51185	CRBN
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8452	CUL3
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3577	CXCR1
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51167	CYB5R4
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1562	CYP2C18
1557	CYP2C19
1558	CYP2C8
1559	CYP2C9
1565	CYP2D6
1571	CYP2E1
1572	CYP2F1
1573	CYP2J2
120227	CYP2R1
113612	CYP2U1
1576	CYP3A4
1577	CYP3A5
1551	CYP3A7
284541	CYP4A22
66002	CYP4F12
8529	CYP4F2
126410	CYP4F22
4051	CYP4F3
285440	CYP4V2
1581	CYP7A1
9420	CYP7B1
3491	CYR61
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1603	DAD1

1605	DAG1
1610	DAO
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57135	DAZ4
1618	DAZL
1621	DBH
1629	DBT
80067	DCAF17
285761	DCBLD1
1630	DCC
1633	DCK
64421	DCLRE1C
1634	DCN
1635	DCTD
1639	DCTN1
1641	DCX
51181	DCXR
1643	DDB2
1644	DDC
80821	DDHD1
23259	DDHD2
1650	DDOST
4921	DDR2
65992	DDRK1
29118	DDX25
1654	DDX3X
8653	DDX3Y
23586	DDX58
10522	DEAF1
50619	DEF6
81623	DEFB126
1674	DES
1687	DFNA5
25861	DFNB31
494513	DFNB59
8220	DGCR14
9993	DGCR2
8527	DGKD
8526	DGKE
1716	DGUOK
1718	DHCR24
1717	DHCR7
79947	DHDDS
50846	DHH
1723	DHODH
728635	DHRS4L1
55526	DHTKD1
57647	DHX37
56616	DIABLO

1729	DIAPH1
1730	DIAPH2
81624	DIAPH3
23405	DICER1
23181	DIP2A
57609	DIP2B
22982	DIP2C
84925	DIRC2
129563	DIS3L2
27185	DISC1
84976	DISP1
1736	DKC1
27122	DKK3
1737	DLAT
10395	DLC1
1738	DLD
9940	DLEC1
1740	DLG2
1741	DLG3
1742	DLG4
58512	DLGAP3
28514	DLL1
10683	DLL3
1747	DLX3
1749	DLX5
1750	DLX6
11144	DMC1
1756	DMD
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1758	DMP1
1760	DMPK
1761	DMRT1
1657	DMXL1
123872	DNAAF1
55172	DNAAF2
352909	DNAAF3
8701	DNAH11
1767	DNAH5
1770	DNAH9
27019	DNAI1
64446	DNAI2
3300	DNAJB2
10049	DNAJB6
131118	DNAJC19
84277	DNAJC30
80331	DNAJC5
9829	DNAJC6
83544	DNAL1
1773	DNASE1
1776	DNASE1L3

1777	DNASE2
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10059	DNM1L
1785	DNM2
1786	DNMT1
1788	DNMT3A
1789	DNMT3B
29947	DNMT3L
8448	DOC2A
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9732	DOCK4
57572	DOCK6
85440	DOCK7
81704	DOCK8
23348	DOCK9
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9046	DOK2
55816	DOK5
285489	DOK7
22845	DOLK
57171	DOLPP1
84444	DOT1L
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25911	DPCD
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8818	DPM2
54344	DPM3
1804	DPP6
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1806	DPYD
1807	DPYS
1812	DRD1
1813	DRD2
1814	DRD3
1815	DRD4
1816	DRD5
1824	DSC2
1825	DSC3
1826	DSCAM
1828	DSG1
1829	DSG2
1830	DSG3
147409	DSG4
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1834	DSPP
667	DST
1837	DTNA
84062	DTNBP1
50506	DUOX2
405753	DUOXA2

22947	DUX4
653548	DUX4L3
1856	DVL2
54808	DYM
284254	DYNAP
1778	DYNC1H1
79659	DYNC2H1
1859	DYRK1A
8291	DYSF
161582	DYX1C1
1869	E2F1
1874	E2F4
1875	E2F5
124454	EARS2
9166	EBAG9
57593	EBF4
10682	EBP
1889	ECE1
9718	ECE2
1632	ECI1
1893	ECM1
1842	ECM2
51295	ECSIT
1896	EDA
60401	EDA2R
10913	EDAR
128178	EDARADD
1906	EDN1
1908	EDN3
1909	EDNRA
1910	EDNRB
374786	EFCAB5
2202	EFEMP1
30008	EFEMP2
114327	EFHC1
80258	EFHC2
1946	EFNA5
1947	EFNB1
23167	EFR3A
9343	EFTUD2
1950	EGF
1956	EGFR
54583	EGLN1
1959	EGR2
23301	EHBP1
30846	EHD2
1962	EHHADH
79813	EHMT1
9451	EIF2AK3
1967	EIF2B1

8892	EIF2B2
8891	EIF2B3
8890	EIF2B4
8893	EIF2B5
1939	EIF2D
1968	EIF2S3
1977	EIF4E
1981	EIF4G1
7458	EIF4H
60528	ELAC2
1991	ELANE
2000	ELF4
2002	ELK1
2004	ELK3
255520	ELMOD2
2006	ELN
6785	ELOVL4
55250	ELP2
26610	ELP4
51234	EMC4
2010	EMD
146956	EME1
10436	EMG1
2016	EMX1
2018	EMX2
2020	EN2
10117	ENAM
2022	ENG
55068	ENOX1
5167	ENPP1
953	ENTPD1
8320	EOMES
2033	EP300
2034	EPAS1
2035	EPB41
2036	EPB41L1
2037	EPB41L2
2038	EPB42
26122	EPC2
4072	EPCAM
1969	EPHA2
2042	EPHA3
2044	EPHA5
2045	EPHA7
2048	EPHB2
2051	EPHB6
2052	EPHX1
2053	EPHX2
7957	EPM2A
2056	EPO

2057	EPOR
8288	EPX
51752	ERAP1
64167	ERAP2
2064	ERBB2
2065	ERBB3
2066	ERBB4
2067	ERCC1
2068	ERCC2
2071	ERCC3
2072	ERCC4
2073	ERCC5
2074	ERCC6
1161	ERCC8
11160	ERLIN2
114625	ERMAP
54206	ERRFI1
157570	ESCO2
83715	ESPN
2099	ESR1
2100	ESR2
2103	ESRRB
2108	ETFA
2109	ETFB
2110	ETFDH
23474	ETHE1
2118	ETV4
2120	ETV6
2121	EVC
132884	EVC2
7813	EVI5
2130	EWSR1
9156	EXO1
64789	EXO5
60412	EXOC4
51010	EXOSC3
23086	EXPH5
2131	EXT1
2132	EXT2
2134	EXTL1
2135	EXTL2
2137	EXTL3
2138	EYA1
2070	EYA4
346007	EYS
2146	EZH2
2159	F10
2160	F11
2161	F12
2162	F13A1

2165	F13B
2147	F2
2150	F2RL1
2153	F5
2155	F7
2157	F8
2158	F9
79152	FA2H
2166	FAAH
158584	FAAH2
2168	FABP1
2169	FABP2
8772	FADD
2184	FAH
23196	FAM120A
84668	FAM126A
54463	FAM134B
84140	FAM161A
84142	FAM175A
259308	FAM205A
54757	FAM20A
56975	FAM20C
170062	FAM47B
92002	FAM58A
286077	FAM83H
51439	FAM8A1
157769	FAM91A1
22909	FAN1
2175	FANCA
2187	FANCB
2176	FANCC
2177	FANCD2
2178	FANCE
2188	FANCF
2189	FANCG
55215	FANCI
55120	FANCL
57697	FANCM
10667	FARS2
355	FAS
356	FASLG
2194	FASN
22868	FASTKD2
2192	FBLN1
10516	FBLN5
2200	FBN1
2201	FBN2
2203	FBP1
26233	FBXL6
26267	FBXO10

80204	FBXO11
84893	FBXO18
25793	FBXO7
23291	FBXW11
6468	FBXW4
55294	FBXW7
2207	FCER1G
2212	FCGR2A
2213	FCGR2B
2220	FCN2
8547	FCN3
2222	FDFT1
2235	FECH
55527	FEM1A
10116	FEM1B
55612	FERMT1
83706	FERMT3
55079	FEZF2
2864	FFAR1
338557	FFAR4
2243	FGA
2244	FGB
2245	FGD1
89846	FGD3
121512	FGD4
2255	FGF10
2259	FGF14
2247	FGF2
8074	FGF23
2248	FGF3
2253	FGF8
2254	FGF9
2260	FGFR1
2263	FGFR2
2261	FGFR3
2264	FGFR4
53834	FGFRL1
2266	FGG
2271	FH
2272	FHIT
2273	FHL1
2274	FHL2
9896	FIG4
344018	FIGLA
81608	FIP1L1
60681	FKBP10
55033	FKBP14
2280	FKBP1A
2288	FKBP4
2289	FKBP5

8468	FKBP6
23770	FKBP8
79147	FKRP
2218	FKTN
201163	FLCN
2312	FLG
2313	FLI1
2316	FLNA
2317	FLNB
2318	FLNC
10211	FLOT1
2321	FLT1
2322	FLT3
2324	FLT4
28982	FLVCR1
55640	FLVCR2
342184	FMN1
56776	FMN2
2326	FMO1
2327	FMO2
2328	FMO3
2329	FMO4
2330	FMO5
2331	FMOD
2332	FMR1
100126270	FMR1-AS1
2335	FN1
64122	FN3K
2346	FOLH1
2348	FOLR1
3169	FOXA1
3170	FOXA2
3171	FOXA3
2296	FOXC1
2303	FOXC2
27022	FOXD3
2304	FOXE1
2301	FOXE3
2294	FOXF1
2295	FOXF2
2290	FOXG1
8928	FOXH1
2299	FOXI1
2302	FOXJ1
221937	FOXK1
668	FOXL2
2305	FOXM1
8456	FOXN1
2308	FOXO1
27086	FOXP1

93986	FOXP2
50943	FOXP3
55572	FOXRED1
2356	FPGS
2357	FPR1
80144	FRAS1
158326	FREM1
341640	FREM2
166752	FREM3
2444	FRK
84978	FRMD5
90167	FRMD7
9758	FRMPD4
10129	FRY
2487	FRZB
84075	FSCB
25794	FSCN2
2488	FSHB
2492	FSHR
10468	FST
11167	FSTL1
10841	FTCD
53940	FTHL17
79068	FTO
24140	FTSJ1
2517	FUCA1
2521	FUS
2523	FUT1
2524	FUT2
2525	FUT3
2528	FUT6
2529	FUT7
2530	FUT8
80199	FUZ
2395	FXN
486	FXD2
79443	FYCO1
7976	FZD3
8322	FZD4
8323	FZD6
8326	FZD9
2538	G6PC
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92579	G6PC3
2539	G6PD
2548	GAA
23710	GABARAPL1
2550	GABBR1
2554	GABRA1
2555	GABRA2

2559	GABRA6
2562	GABRB3
2563	GABRD
2565	GABRG1
2566	GABRG2
2570	GABRR2
2571	GAD1
2572	GAD2
1647	GADD45A
2580	GAK
9514	GAL3ST1
64090	GAL3ST2
89792	GAL3ST3
79690	GAL3ST4
2581	GALC
2582	GALE
2584	GALK1
2588	GALNS
63917	GALNT11
79695	GALNT12
114805	GALNT13
79623	GALNT14
374378	GALNT18
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11227	GALNT5
11226	GALNT6
51809	GALNT7
26290	GALNT8
50614	GALNT9
442117	GALNTL6
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2593	GAMT
8139	GAN
2596	GAP43
2617	GARS
2619	GAS1
246176	GAS2L2
2623	GATA1
2624	GATA2
2625	GATA3
2626	GATA4
140628	GATA5
2627	GATA6
57798	GATAD1
2628	GATM
2629	GBA
2632	GBE1
26301	GBGT1
2638	GC

2639	GCDH
2642	GCGR
2643	GCH1
2645	GCK
2646	GCKR
2729	GCLC
2730	GCLM
9247	GCM2
2650	GCNT1
2651	GCNT2
54332	GDAP1
2657	GDF1
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2661	GDF9
2664	GDI1
2668	GDNF
2670	GFAP
2672	GFI1
8328	GFI1B
85476	GFM1
2673	GFPT1
2674	GFRA1
2675	GFRA2
2677	GGCX
8836	GGH
2688	GH1
2689	GH2
2690	GHR
2691	GHRH
2692	GHRHR
51738	GHRL
2693	GHSR
2694	GIF
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2696	GIPR
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2703	GJA8
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2706	GJB2
2707	GJB3
127534	GJB4
10804	GJB6
57165	GJC2

349149	GJC3
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2717	GLA
2720	GLB1
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2731	GLDC
2733	GLE1
2736	GLI2
2737	GLI3
84662	GLIS2
169792	GLIS3
11146	GLMN
2739	GLO1
2740	GLP1R
2741	GLRA1
2743	GLRB
51218	GLRX5
2752	GLUL
132158	GLYCTK
2760	GM2A
2762	GMDS
8833	GMPS
2771	GNAI2
2773	GNAI3
2776	GNAQ
2778	GNAS
2779	GNAT1
2780	GNAT2
54584	GNB1L
2784	GNB3
10020	GNE
2788	GNG7
27232	GNMT
8443	GNPAT
79158	GNPTAB
84572	GNPTG
2796	GNRH1
2798	GNRHR
2799	GNS
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9950	GOLGA5
54856	GON4L
57120	GOPC
92344	GORAB
9570	GOSR2
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51206	GP6
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57678	GPAM

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29933	GPR132
124274	GPR139
4935	GPR143
440435	GPR179
2861	GPR37
9289	GPR56
84059	GPR98
2873	GPS1
29899	GPSM2
2875	GPT
2887	GRB10
26585	GREM1
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79977	GRHL2
9380	GRHPR
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2892	GRIA3
2894	GRID1
2895	GRID2
2897	GRIK1
2898	GRIK2
2900	GRIK4
2902	GRIN1
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2904	GRIN2B
116443	GRIN3A
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6011	GRK1
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2911	GRM1
2915	GRM5
2916	GRM6
2917	GRM7
2896	GRN
2925	GRPR
389207	GRXCR1

145258	GSC
23199	GSE1
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23708	GSPT2
2936	GSR
2937	GSS
2939	GSTA2
2940	GSTA3
2944	GSTM1
2947	GSTM3
9446	GSTO1
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2954	GSTZ1
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2986	GUCY2F
2990	GUSB
2992	GYG1
8908	GYG2
120071	GYLTL1B
2993	GYPA
2995	GYPC
2996	GYPE
2997	GYS1
2998	GYS2
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3030	HADHA
3032	HADHB
3034	HAL
57817	HAMP
9421	HAND1
9464	HAND2
1404	HAPLN1
3035	HARS
23438	HARS2
26762	HAVCR1
10456	HAX1
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3045	HBD
3046	HBE1

3042	HBM
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3054	HCFC1
348980	HCN1
610	HCN2
57657	HCN3
10021	HCN4
3060	HCRT
3062	HCRT2
9759	HDAC4
10013	HDAC6
55869	HDAC8
9734	HDAC9
3067	HDC
84717	HDGFRP2
3069	HDLBP
139324	HDX
54919	HEATR2
220296	HEPACAM
9843	HEPH
8925	HERC1
84667	HES7
8820	HESX1
3073	HEXA
3074	HEXB
23462	HEY1
23493	HEY2
3077	HFE
148738	HFE2
3081	HGD
3082	HGF
138050	HGSNAT
26275	HIBCH
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192286	HIGD2A
3094	HINT1
3092	HIP1
3012	HIST1H2AE
8290	HIST3H3
3098	HK1
3099	HK2
3105	HLA-A
3106	HLA-B
3107	HLA-C
3117	HLA-DQA1
3119	HLA-DQB1
3127	HLA-DRB5
3135	HLA-G
3141	HLCS
3142	HLX

3145	HMBS
83872	HMCN1
8091	HMGA2
3155	HMGCL
3156	HMGCR
3158	HMGCS2
23526	HMHA1
3161	HMMR
3162	HMOX1
3166	HMX1
3167	HMX2
6927	HNF1A
6928	HNF1B
3172	HNF4A
3176	HNMT
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3192	HNRNPU
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3198	HOXA1
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3209	HOXA13
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3200	HOXA3
3201	HOXA4
3211	HOXB1
10481	HOXB13
3216	HOXB6
3218	HOXB8
3229	HOXC13
3236	HOXD10
3239	HOXD13
3233	HOXD4
3240	HP
51440	HPCAL4
3242	HPD
3248	HPGD
3251	HPRT1
3257	HPS1
84343	HPS3
89781	HPS4
11234	HPS5
79803	HPS6
60495	HPSE2
55806	HR
3265	HRAS
3273	HRG
3290	HSD11B1
3291	HSD11B2
3028	HSD17B10

3293	HSD17B3
3295	HSD17B4
3283	HSD3B1
3284	HSD3B2
80270	HSD3B7
3297	HSF1
3299	HSF4
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3315	HSPB1
8988	HSPB3
126393	HSPB6
27129	HSPB7
26353	HSPB8
3339	HSPG2
3347	HTN3
3350	HTR1A
3351	HTR1B
3356	HTR2A
3357	HTR2B
3358	HTR2C
3359	HTR3A
9177	HTR3B
170572	HTR3C
3363	HTR7
5654	HTRA1
27429	HTRA2
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10075	HUWE1
3373	HYAL1
54768	HYDIN
219844	HYLS1
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3383	ICAM1
3386	ICAM4
22858	ICK
29851	ICOS
3399	ID3
3400	ID4
3417	IDH1
3418	IDH2
3420	IDH3B
3620	IDO1
3423	IDS
3425	IDUA
51124	IER3IP1
64135	IFIH1
10410	IFITM3
387733	IFITM5
3454	IFNAR1

3455	IFNAR2
3458	IFNG
3459	IFNGR1
3460	IFNGR2
101180976	IFNL4
3475	IFRD1
55764	IFT122
9742	IFT140
26160	IFT172
112752	IFT43
57560	IFT80
8100	IFT88
3476	IGBP1
3479	IGF1
3480	IGF1R
3481	IGF2
10644	IGF2BP2
3482	IGF2R
3483	IGFALS
3490	IGFBP7
3508	IGHMBP2
3543	IGLL1
3547	IGSF1
3549	IHH
121457	IKBIP
8518	IKBKAP
3551	IKBKB
8517	IKBKG
10320	IKZF1
22806	IKZF3
3586	IL10
3587	IL10RA
3588	IL10RB
3589	IL11
3590	IL11RA
3593	IL12B
3594	IL12RB1
3595	IL12RB2
3596	IL13
112744	IL17F
23765	IL17RA
8807	IL18RAP
3553	IL1B
3554	IL1R1
11141	IL1RAPL1
3557	IL1RN
53833	IL20RB
50615	IL21R
149233	IL23R
3559	IL2RA

3561	IL2RG
3562	IL3
133396	IL31RA
26525	IL36RN
3565	IL4
3566	IL4R
3569	IL6
3570	IL6R
3572	IL6ST
3575	IL7R
3581	IL9R
286676	ILDR1
3611	ILK
83943	IMMP2L
54928	IMPAD1
3614	IMPDH1
3615	IMPDH2
50939	IMPG2
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8929	PHOX2B
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9487	PIGL
93183	PIGM
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5296	PIK3R2
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5320	PLA2G2A
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5322	PLA2G5
8398	PLA2G6
7941	PLA2G7
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5338	PLD2
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57449	PLEKHG5
5340	PLG
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5351	PLOD1
5352	PLOD2
8985	PLOD3
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5360	PLTP
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5376	PMP22
5378	PMS1
5395	PMS2
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5406	PNLIP
5409	PNMT

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79983	POF1B
23275	POFUT2
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5424	POLD1
5427	POLE2
5428	POLG
11232	POLG2
5429	POLH
27343	POLL
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29954	POMT2
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5445	PON2
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5496	PPM1G
152926	PPM1K
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10842	PPP1R17

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5507	PPP1R3C
5519	PPP2R1B
5520	PPP2R2A
5521	PPP2R2B
5522	PPP2R2C
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5534	PPP3R1
5538	PPT1
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5620	PRM2
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10196	PRMT3
54496	PRMT7
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5625	PRODH
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60675	PROK2

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128674	PROKR2
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5627	PROS1
5629	PROX1
8858	PROZ
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26121	PRPF31
24148	PRPF6
10594	PRPF8
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5961	PRPH2
5631	PRPS1
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8492	PRSS12
154754	PRSS3P2
646960	PRSS56
5652	PRSS8
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139411	PTCHD1
374308	PTCHD3
5728	PTEN
256297	PTF1A
5729	PTGDR
5732	PTGER2
5734	PTGER4
5739	PTGIR
5740	PTGIS

5742	PTGS1
5743	PTGS2
5741	PTH
5745	PTH1R
5744	PTHLH
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5796	PTPRK
5799	PTPRN2
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11122	PTPRT
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5858	PZP
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5874	RAB27B
5862	RAB2A
116442	RAB39B
22930	RAB3GAP1
25782	RAB3GAP2
7879	RAB7A
8934	RAB7L1
5875	RABGGTA
55684	RABL6
5879	RAC1
5880	RAC2
5885	RAD21
642636	RAD21L1

10111	RAD50
5888	RAD51
5890	RAD51B
5889	RAD51C
5892	RAD51D
5893	RAD52
25788	RAD54B
8438	RAD54L
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5896	RAG1
5897	RAG2
10743	RAI1
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5914	RARA
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10235	RASGRP2
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30062	RAX
84839	RAX2
5925	RB1
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54715	RBFOX1
5933	RBL1
5934	RBL2
8241	RBM10
64783	RBM15
282996	RBM20
55131	RBM28
27288	RBMXL2
5949	RBP3
5950	RBP4
3516	RBPJ
149041	RC3H1
55213	RCBTB1
25898	RCHY1
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5959	RDH5
50700	RDH8
5962	RDX
9401	RECQL4

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5972	REN
9185	REPS2
5979	RET
56729	RETN
5982	RFC2
91869	RFT1
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5993	RFX5
222546	RFX6
731220	RFX8
8625	RFXANK
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5997	RGS2
8490	RGS5
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8787	RGS9
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79651	RHBDF2
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6007	RHD
6010	RHO
391	RHOG
399	RHOH
85415	RHPN2
22999	RIMS1
9699	RIMS2
9783	RIMS3
54453	RIN2
55781	RIOK2
54101	RIPK4
6014	RIT2
6017	RLBP1
151393	RMDN2
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79621	RNASEH2B
84153	RNASEH2C
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7737	RNF113A
84282	RNF135
11236	RNF139
165918	RNF168

81790	RNF170
285498	RNF212
57674	RNF213
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6091	ROBO1
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221421	RSPH9
284654	RSPO1
343637	RSPO4
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65078	RTN4R
25914	RTTN
861	RUNX1
860	RUNX2
864	RUNX3
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6261	RYR1
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6299	SALL1
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54809	SAMD9
25939	SAMHD1
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1757	SARDH
54938	SARS2
9733	SART3
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23314	SATB2
340562	SATL1
81846	SBF2
6309	SC5D
949	SCARB1
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91179	SCARF2
7356	SCGB1A1
117156	SCGB3A2
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8482	SEMA7A
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871	SERPINH1
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29072	SETD2
387893	SETD8
23064	SETX
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23544	SEZ6L
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729238	SFTPA2
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3177	SLC29A2
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7780	SLC30A2
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10568	SLC34A2
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11254	SLC6A14
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23049	SMG1
85027	SMIM3
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6608	SMO
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23676	SMPX
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23583	SMUG1
6591	SNAI2
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9342	SNAP29
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9627	SNCAIP
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79753	SNIP1
54861	SNRK
23020	SNRNP200
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6641	SNTB1
54221	SNTG2
8926	SNURF
6642	SNX1
29887	SNX10
8724	SNX3
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9021	SOCS3
6647	SOD1
6648	SOD2
6649	SOD3
387104	SOGA3
402381	SOHLH1
114815	SORCS1
6653	SORL1
6272	SORT1
6654	SOS1
50964	SOST
6663	SOX10
64321	SOX17
54345	SOX18
6657	SOX2
6658	SOX3
6660	SOX5
55553	SOX6
83595	SOX7
6662	SOX9
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121340	SP7
221833	SP8
200162	SPAG17
494197	SPANXN5
6683	SPAST
221178	SPATA13
83893	SPATA16
374955	SPATA21
441452	SPATA31C1
55812	SPATA7
92521	SPECC1
23384	SPECC1L
79925	SPEF2
80208	SPG11
23111	SPG20

51324	SPG21
6687	SPG7
6688	SPI1
6690	SPINK1
11005	SPINK5
10653	SPINT2
6696	SPP1
6697	SPR
161742	SPRED1
200734	SPRED2
503542	SPRN
10253	SPRY2
81848	SPRY4
80176	SPSB1
6708	SPTA1
6709	SPTAN1
6710	SPTB
6711	SPTBN1
6712	SPTBN2
51332	SPTBN5
10558	SPTLC1
9517	SPTLC2
8878	SQSTM1
6714	SRC
10847	SRCAP
6716	SRD5A2
79644	SRD5A3
6720	SREBF1
6721	SREBF2
9901	SRGAP3
6717	SRI
6731	SRP72
8406	SRPX
27286	SRPX2
63826	SRR
6736	SRY
54434	SSH1
8082	SSPN
6755	SSTR5
280658	SSX7
6768	ST14
6482	ST3GAL1
6483	ST3GAL2
6487	ST3GAL3
6484	ST3GAL4
8869	ST3GAL5
10402	ST3GAL6
6764	ST5
6480	ST6GAL1
84620	ST6GAL2

55808	ST6GALNAC1
10610	ST6GALNAC2
256435	ST6GALNAC3
27090	ST6GALNAC4
81849	ST6GALNAC5
30815	ST6GALNAC6
6489	ST8SIA1
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51046	ST8SIA3
7903	ST8SIA4
29906	ST8SIA5
338596	ST8SIA6
6770	STAR
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6774	STAT3
6775	STAT4
6777	STAT5B
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8859	STK19
140901	STK35
27148	STK36
27347	STK39
6789	STK4
219736	STOX1
64220	STRA6
92335	STRADA
161497	STRC
412	STS
3703	STT3A
201595	STT3B
8676	STX11
8675	STX16
6812	STXBP1
6813	STXBP2
8803	SUCLA2
8802	SUCLG1
51430	SUCO
51684	SUFU
23213	SULF1
6817	SULT1A1
6819	SULT1C2
6822	SULT2A1
6820	SULT2B1
25830	SULT4A1
285362	SUMF1

7341	SUMO1
387082	SUMO4
6821	SUOX
11198	SUPT16H
6834	SURF1
51111	SUV420H1
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