

## FHM\_vs\_SporadicMigraine

Gene	P-value	adjusted P-value
ABCA13	4.05E-80	3.09E-77
ANKRD27	1.12E-08	8.57E-06
ARHGAP39	4.92E-71	3.75E-68
ATAD2	1.90E-05	1.45E-02
CAMSAP2	4.81E-16	3.67E-13
CASQ1	1.81E-36	1.38E-33
CCT4	5.75E-06	4.38E-03
CHRNA2	1.03E-16	7.86E-14
CST5	3.09E-75	2.35E-72
CUL9	2.58E-16	1.97E-13
CYLD	7.28E-11	5.54E-08
DCBLD1	8.38E-98	6.39E-95
DHX37	3.78E-16	2.88E-13
DNAH1	4.34E-07	3.30E-04
DNM2	1.11E-44	8.47E-42
DSCAM	4.70E-33	3.58E-30
EEPD1	3.98E-22	3.03E-19
ENTPD2	2.90E-19	2.21E-16
FAM120C	1.64E-06	1.25E-03
FAM135A	2.91E-20	2.22E-17
FGFR1	5.05E-85	3.85E-82
FIGN	9.10E-92	6.94E-89
FMNL2	1.87E-43	1.42E-40
FNDC7	2.39E-09	1.82E-06
FRAS1	1.37E-07	1.04E-04
GNAI2	3.35E-83	2.55E-80
GNAO1	3.31E-76	2.53E-73
GRIN2A	3.46E-52	2.63E-49
HEATR9	3.30E-91	2.51E-88
HERC1	1.74E-17	1.33E-14
IGFN1	2.86E-06	2.18E-03
IL1RAPL1	1.12E-06	8.50E-04
INF2	1.06E-39	8.09E-37
ITGAV	1.64E-06	1.25E-03
ITSN1	2.44E-17	1.86E-14
JMY	1.12E-06	8.50E-04
KMT2E	5.75E-06	4.38E-03
LDB3	1.24E-15	9.49E-13
PIK3R3	3.92E-54	2.99E-51
LPAR6	6.88E-49	5.24E-46
LPCAT2	4.41E-50	3.36E-47
LRGUK	7.10E-10	5.41E-07
LRRC45	6.08E-50	4.64E-47
MED16	1.19E-43	9.09E-41
NAPA	4.18E-17	3.18E-14
NCOR1	7.07E-30	5.39E-27

NDUFAF7	7.02E-76	5.35E-73
OR2T33	1.91E-11	1.46E-08
OR2T8	6.28E-06	4.78E-03
OR4D10	2.05E-62	1.56E-59
OR4Q2	1.12E-08	8.57E-06
OR4Q3	5.24E-35	3.99E-32
OR5L1	3.62E-38	2.76E-35
OR5L2	1.55E-19	1.18E-16
OR5M9	7.16E-48	5.46E-45
PAAF1	1.24E-15	9.49E-13
PGM1	2.14E-12	1.63E-09
PIK3R6	1.90E-05	1.45E-02
PLCB3	3.23E-08	2.46E-05
PPP1R3D	1.16E-25	8.87E-23
PRDM2	1.08E-10	8.19E-08
QRFPR	1.70E-23	1.30E-20
RAB2A	4.18E-17	3.18E-14
RNF111	1.24E-15	9.49E-13
RPUSD2	9.41E-28	7.17E-25
RSPH3	3.38E-74	2.57E-71
SEC24C	2.37E-35	1.80E-32
SEMA4B	1.16E-20	8.81E-18
SLC23A2	6.46E-08	4.92E-05
SLC2A10	1.21E-41	9.25E-39
SLC5A9	6.34E-34	4.83E-31
SPEN	2.27E-05	1.73E-02
SPESP1	1.42E-35	1.08E-32
SRSF4	3.61E-18	2.75E-15
STRN3	5.78E-12	4.40E-09
SYCP1	2.68E-07	2.04E-04
SYNE1	8.90E-11	6.78E-08
TAL1	7.96E-09	6.06E-06
TAS2R43	1.90E-05	1.45E-02
TBL1X	1.25E-45	9.56E-43
TMEM41A	1.24E-15	9.49E-13
TSHZ1	1.70E-08	1.29E-05
TSPAN7	4.34E-07	3.30E-04
TTN	5.89E-07	4.49E-04
UHRF1BP1L	2.30E-57	1.75E-54
UNC13C	4.34E-07	3.30E-04
USP4	3.60E-14	2.74E-11
UTP20	5.77E-17	4.40E-14
VPS52	1.01E-42	7.68E-40
ZCCHC11	2.26E-39	1.72E-36
ZNF302	1.81E-07	1.38E-04
ZSCAN21	1.24E-45	9.42E-43
FHM_vs_FamMigraine		
Gene	P-value	adjusted P-value

ABCA13	4.08E-12	3.11E-09
ARHGAP39	6.41E-11	4.88E-08
CHRNA2	1.06E-07	8.11E-05
CHRNA4	6.15E-13	4.69E-10
CST2	1.47E-08	1.12E-05
CST3	9.98E-08	7.60E-05
DCBLD1	2.05E-13	1.56E-10
ENTPD2	3.64E-07	2.78E-04
FIGN	9.80E-06	7.47E-03
GIMAP8	3.43E-06	2.61E-03
GRIN2A	6.90E-08	5.26E-05
HORMAD1	1.31E-13	9.96E-11
JPH2	5.02E-06	3.83E-03
PIK3R3	1.02E-05	7.80E-03
LRRC45	2.34E-05	1.79E-02
MUC5AC	2.30E-05	1.75E-02
OR10A7	2.85E-07	2.17E-04
OR4D10	7.06E-06	5.38E-03
OR4Q3	1.31E-05	9.95E-03
PRLR	7.72E-08	5.88E-05
QRFPR	9.18E-06	6.99E-03
SLC5A9	1.32E-06	1.01E-03
SMOX	7.50E-08	5.72E-05
SRSF4	2.73E-05	2.08E-02
STK33	2.95E-06	2.25E-03
STRN3	3.87E-06	2.95E-03
TEX51	6.27E-05	4.78E-02
TSC2	6.75E-07	5.14E-04
UHRF1BP1L	5.84E-07	4.45E-04
FHM_vs_AllMigraine		
Gene	P-value	adjusted P-value
ABCA13	3.09E-38	1.99E-35
ARHGAP39	2.31E-34	1.49E-31
ATAD2	9.11E-06	5.88E-03
CAMSAP2	1.89E-10	1.22E-07
CASQ1	7.19E-17	4.65E-14
CHRNA2	8.10E-14	5.23E-11
CST5	2.62E-15	1.69E-12
CYLD	5.06E-05	3.27E-02
DCBLD1	8.08E-47	5.22E-44
DHX37	3.22E-09	2.08E-06
DNM2	5.24E-14	3.38E-11
DSCAM	1.28E-12	8.29E-10
EEPD1	6.99E-10	4.51E-07
ENTPD2	9.02E-15	5.83E-12
FAM120C	1.50E-06	9.71E-04
FAM135A	7.65E-09	4.94E-06
FGFR1	3.63E-25	2.35E-22

FIGN	4.85E-31	3.13E-28
FMNL2	1.46E-15	9.41E-13
GIMAP8	6.08E-05	3.93E-02
GNAI2	6.74E-20	4.36E-17
GNAO1	3.36E-24	2.17E-21
GRIN2A	9.97E-26	6.44E-23
HEATR9	1.07E-25	6.89E-23
HERC1	2.37E-07	1.53E-04
IGFN1	5.47E-06	3.54E-03
INF2	2.85E-07	1.84E-04
ITSN1	8.95E-09	5.78E-06
PIK3R3	4.12E-22	2.66E-19
LPAR6	9.69E-15	6.26E-12
LPCAT2	9.69E-14	6.26E-11
LRGUK	6.84E-06	4.42E-03
LRRC45	1.51E-20	9.74E-18
MED16	4.37E-11	2.82E-08
NAPA	2.29E-06	1.48E-03
NCOR1	4.07E-10	2.63E-07
NDUFAF7	3.59E-18	2.32E-15
OR2T33	5.72E-08	3.70E-05
OR4D10	2.62E-24	1.69E-21
OR4Q2	2.14E-06	1.38E-03
OR4Q3	3.42E-17	2.21E-14
OR5L1	1.82E-16	1.18E-13
OR5L2	1.78E-09	1.15E-06
OR5M9	2.47E-11	1.60E-08
PAAF1	6.53E-06	4.22E-03
PGM1	2.00E-07	1.29E-04
PPP1R3D	6.56E-10	4.24E-07
PRDM2	4.86E-07	3.14E-04
QRFPR	4.09E-14	2.64E-11
RAB2A	8.41E-09	5.43E-06
RNF111	6.04E-05	3.90E-02
RPUSD2	7.54E-14	4.87E-11
RSPH3	6.46E-24	4.17E-21
SEC24C	2.13E-14	1.38E-11
SEMA4B	1.64E-11	1.06E-08
SLC5A9	3.92E-18	2.53E-15
SPESP1	2.99E-13	1.93E-10
SRSF4	7.78E-12	5.03E-09
STK33	3.23E-05	2.09E-02
STRN3	2.20E-10	1.42E-07
SYCP1	6.81E-06	4.40E-03
SYNE1	4.56E-08	2.95E-05
TAS2R43	1.97E-05	1.27E-02
TBL1X	2.44E-17	1.58E-14
TMEM41A	4.48E-10	2.89E-07

TSHZ1	1.42E-05	9.15E-03
TSPAN7	4.50E-05	2.91E-02
UHRF1BP1L	2.06E-26	1.33E-23
USP4	3.34E-06	2.16E-03
UTP20	4.41E-07	2.85E-04
VPS52	1.11E-11	7.15E-09
ZCCHC11	6.51E-14	4.21E-11
ZSCAN21	1.04E-07	6.71E-05