

Gene	E11.5	E13.5	E15.5	E18.5	P4	P14	P28
1110051B16Rik	2.42E-04	2.28E-04	2.11E-04	1.67E-04	4.83E-04	3.50E-04	2.31E-04
1700010L04Rik	5.88E-05	5.58E-05	3.00E-05	1.05E-04	5.45E-05	4.08E-04	2.98E-05
1700013G10Rik	3.41E-05	3.97E-05	2.19E-04	1.70E-04	1.09E-03	1.14E-03	1.20E-04
1700058C01Rik	1.39E-03	8.20E-04	1.73E-04	6.79E-05	1.66E-04	1.11E-03	3.49E-04
2610109H07Rik	6.34E-03	4.56E-02	1.34E-02	3.03E-03	1.07E-02	8.72E-04	6.85E-05
3526402H21Rik	1.60E-03	1.22E-03	4.76E-04	9.58E-05	3.90E-04	1.80E-03	2.67E-04
4932417H02Rik	1.99E-03	1.14E-03	3.37E-03	1.07E-02	5.04E-03	9.14E-03	1.12E-02
5730589K01Rik	4.07E-04	1.92E-04	1.18E-04	4.12E-04	4.21E-02	1.12E-02	8.15E-03
6330527O06Rik	9.26E-05	4.69E-05	1.06E-04	1.85E-04	4.80E-04	2.35E-03	7.30E-04
6330581N18Rik	2.92E-03	8.92E-05	2.91E-06	2.03E-03	5.17E-03	5.57E-03	2.93E-03
6430573F11Rik	2.48E-04	2.33E-04	8.80E-05	3.14E-04	7.23E-04	2.39E-04	2.24E-04
8030451F13Rik	8.75E-04	2.25E-04	1.04E-04	2.58E-04	2.66E-04	2.78E-03	2.29E-04
9130213B05Rik	1.79E-03	1.04E-04	4.98E-04	8.96E-04	3.36E-03	9.96E-03	1.09E-02
9430056A22Rik	3.17E-05	5.78E-04	4.04E-04	NaN	2.72E-04	1.14E-02	3.60E-03
9830123M21Rik	8.34E-04	2.70E-05	1.85E-05	2.19E-04	3.44E-04	1.81E-04	2.02E-04
A2m	2.08E-04	1.16E-04	7.54E-04	1.45E-03	1.60E-03	4.01E-04	4.94E-04
A630042L21Rik	1.15E-03	7.14E-04	3.69E-04	1.05E-04	1.12E-03	2.67E-03	6.46E-04
A830053O21Rik	NaN	1.34E-04	1.61E-04	7.10E-05	2.95E-04	1.00E-03	2.15E-04
A930038C07Rik	6.38E-04	9.04E-04	5.16E-04	4.54E-03	1.50E-02	6.40E-03	2.72E-03
AI427515	1.03E-03	1.93E-02	1.51E-02	1.98E-02	4.00E-02	4.10E-02	3.36E-02
AI591476	3.93E-04	5.80E-04	4.13E-04	5.65E-03	1.61E-02	2.48E-02	1.45E-02
AI597013	1.19E-03	1.56E-03	4.45E-04	1.23E-04	1.00E-03	6.58E-04	2.18E-03
Aanat	4.80E-05	2.10E-04	5.29E-05	5.20E-05	1.02E-04	1.51E-04	1.15E-04
Aatk	2.17E-04	4.54E-04	2.43E-03	2.28E-02	4.17E-02	3.89E-02	4.92E-02
Abat	1.33E-04	1.54E-03	NaN	3.07E-03	1.76E-02	3.19E-02	3.00E-02
Abca2	1.10E-04	2.66E-04	1.45E-03	8.96E-03	1.85E-02	4.59E-02	4.07E-02
Abcc1	7.62E-05	2.32E-05	4.89E-04	6.28E-05	NaN	1.17E-03	1.42E-04
Abhd4	4.30E-04	2.96E-04	5.09E-03	3.39E-04	9.35E-04	1.52E-03	3.18E-03
Abl1	1.24E-02	5.12E-03	1.61E-03	5.68E-04	5.00E-03	1.53E-02	1.75E-02
Abra	7.81E-05	4.54E-05	3.05E-04	1.33E-04	4.48E-04	2.12E-03	6.96E-04
Abt1	1.39E-03	1.61E-02	2.07E-02	9.59E-03	3.74E-02	4.42E-02	3.86E-02
Abtb1	5.49E-04	6.96E-04	1.16E-03	7.32E-03	1.07E-02	1.11E-02	1.17E-02
Accn1	5.39E-04	1.39E-03	5.48E-03	7.53E-03	3.45E-02	1.49E-02	2.29E-02
Accn2	4.08E-04	1.94E-04	1.09E-04	3.44E-03	7.45E-03	2.79E-02	7.49E-02
Ace	4.34E-04	2.51E-04	9.18E-04	1.13E-03	3.46E-03	2.10E-03	1.93E-03
Ache	1.21E-03	4.85E-04	4.93E-04	9.03E-03	6.67E-02	1.01E-01	6.84E-02
Actb	5.27E-02	1.72E-02	1.24E-02	3.42E-02	6.08E-02	1.33E-01	1.27E-01
Acvr1	7.73E-05	3.56E-04	8.08E-04	1.28E-03	3.25E-03	3.38E-03	6.61E-04
Acvr1b	1.26E-03	3.65E-04	9.35E-04	3.63E-03	1.27E-02	1.18E-02	6.32E-03
Acvr1c	6.42E-04	1.12E-04	9.99E-05	1.31E-04	2.90E-04	2.76E-04	1.58E-04
Acvr2a	1.67E-03	2.94E-03	7.35E-03	1.94E-02	8.17E-03	8.09E-03	2.86E-03
Acvr2b	8.71E-04	7.96E-04	1.61E-04	6.32E-04	5.72E-04	6.65E-04	1.92E-04
Acvrl1	5.96E-04	2.69E-03	1.74E-04	1.92E-04	1.67E-04	4.68E-03	1.19E-03
Adam10	2.04E-02	4.90E-03	1.85E-03	7.51E-03	2.47E-02	1.29E-02	3.02E-03
Adam17	2.69E-04	6.18E-04	1.05E-04	2.06E-04	8.73E-05	4.32E-04	1.23E-04
Adam19	1.76E-03	1.31E-03	9.62E-04	7.96E-04	9.32E-03	4.06E-03	1.57E-03
Adcy1	3.66E-03	6.87E-05	2.00E-03	2.76E-02	6.16E-02	3.89E-02	2.12E-02
Adcy2	1.90E-03	2.05E-04	2.50E-04	1.60E-03	7.83E-03	1.22E-02	7.88E-03
Adcy9	4.66E-04	2.17E-05	1.26E-03	1.89E-04	9.01E-04	9.71E-03	9.40E-03
Adcyap1	2.18E-03	1.31E-03	7.46E-04	6.31E-03	1.35E-02	9.21E-03	7.26E-03
Adcyap1r1	5.04E-04	1.64E-04	7.05E-04	2.11E-03	5.82E-02	2.98E-02	3.42E-02
Adnp	1.26E-02	4.43E-03	4.71E-03	1.17E-02	2.29E-02	1.42E-02	2.11E-02
Adora2a	5.41E-05	5.83E-05	1.17E-04	6.87E-04	3.11E-04	1.46E-03	2.54E-04
Adra2a	2.80E-04	2.18E-05	3.47E-05	7.43E-05	1.67E-04	2.60E-04	6.68E-05
Adra2b	1.83E-04	2.28E-05	9.73E-05	1.70E-04	9.62E-04	3.10E-04	4.76E-03
Adra2c	NaN	8.36E-05	4.12E-05	7.14E-04	2.40E-04	4.08E-05	6.22E-05
Adrb1	5.40E-05	5.83E-05	9.56E-05	1.81E-04	1.40E-04	3.87E-04	1.03E-03

Aebp2	1.96E-03	3.13E-03	1.16E-03	8.15E-04	3.97E-03	7.07E-03	6.23E-03
Aes	9.33E-02	1.90E-02	1.71E-02	3.16E-02	6.09E-02	7.95E-02	6.78E-02
Aff3	1.18E-03	1.28E-02	1.38E-03	1.24E-02	1.12E-02	3.20E-02	8.38E-03
Agp	1.04E-04	2.83E-05	1.55E-05	2.02E-04	1.93E-04	1.99E-05	7.80E-05
Agt	6.60E-04	4.14E-05	1.77E-05	1.12E-03	1.25E-02	3.42E-02	2.51E-02
Agtr1a	1.02E-04	1.34E-03	6.66E-04	5.23E-02	3.09E-02	2.00E-02	6.77E-03
Ahctf1	6.75E-05	2.11E-04	2.00E-04	8.56E-05	6.43E-04	5.99E-05	1.05E-04
Ahi1	4.04E-03	1.35E-02	2.74E-02	2.54E-02	9.69E-02	8.74E-02	6.20E-02
Ahr	2.38E-04	6.01E-05	3.14E-04	5.62E-05	5.58E-05	3.95E-04	8.08E-05
Akr1c18	1.91E-03	7.42E-05	5.24E-05	1.97E-04	1.24E-04	1.55E-04	1.76E-04
Akt1	8.06E-02	2.14E-02	2.91E-02	1.69E-02	2.61E-02	1.79E-02	3.53E-02
Akt1s1	2.05E-03	3.89E-05	6.65E-05	4.38E-04	2.09E-04	NaN	6.61E-04
Alcam	2.18E-02	2.49E-03	5.73E-03	2.05E-02	4.52E-02	3.29E-02	1.73E-02
Aldh1a1	6.10E-05	1.03E-04	2.04E-04	2.11E-04	5.22E-05	8.05E-04	4.51E-04
Aldh1a2	4.61E-05	1.18E-03	1.92E-04	1.41E-03	6.95E-04	7.84E-04	1.99E-03
Aldh1a3	1.08E-04	1.30E-04	6.52E-05	1.02E-04	3.71E-04	3.06E-04	8.44E-05
Aldh2	1.51E-03	1.06E-03	1.42E-03	2.62E-03	2.16E-02	2.76E-02	1.08E-02
Aldh4a1	9.76E-05	8.76E-04	4.02E-04	1.70E-03	4.44E-03	6.80E-04	5.80E-04
Alk	4.07E-04	NaN	NaN	6.76E-04	1.66E-03	1.90E-03	1.20E-03
Alx3	4.71E-04	2.61E-04	3.85E-05	2.37E-04	1.34E-04	8.75E-05	4.89E-04
Alx4	7.77E-04	3.72E-04	2.61E-04	1.92E-04	1.79E-04	NaN	2.47E-04
Amh	3.06E-05	4.34E-05	4.72E-05	2.57E-04	1.99E-04	3.31E-04	8.14E-04
Amhr2	1.61E-04	2.76E-06	3.99E-05	2.30E-04	2.01E-04	2.06E-04	3.78E-05
Amigo1	4.68E-04	2.20E-04	NaN	1.24E-03	1.60E-02	1.58E-02	2.28E-02
Amotl1	NaN	1.05E-04	2.95E-04	7.02E-04	4.95E-03	1.31E-02	1.57E-02
Angpt1	NaN	5.30E-04	8.94E-05	4.84E-04	1.26E-03	6.53E-04	4.02E-04
Angpt2	1.20E-03	3.82E-04	8.30E-05	1.05E-03	7.49E-03	4.03E-03	2.79E-03
Angpt4	1.30E-04	8.21E-05	5.91E-05	5.03E-04	2.65E-04	1.60E-05	3.60E-05
Angptl1	3.18E-04	1.63E-04	4.42E-05	3.88E-04	2.26E-04	2.43E-03	1.29E-04
Angptl2	NaN	3.17E-04	2.85E-04	1.21E-03	2.10E-03	2.65E-03	6.47E-04
Angptl3	3.54E-04	2.49E-04	5.43E-05	1.74E-04	3.66E-05	1.17E-04	6.51E-05
Angptl4	1.15E-03	6.27E-04	3.00E-04	1.78E-03	1.88E-03	4.00E-04	7.10E-05
Angptl6	1.90E-04	5.23E-05	3.21E-04	6.39E-04	8.38E-05	1.30E-03	NaN
Angptl7	1.60E-05	1.02E-04	1.05E-04	5.23E-04	4.34E-04	7.62E-05	2.03E-04
Ank3	2.10E-02	3.45E-02	4.88E-02	5.90E-02	6.20E-02	5.11E-02	7.15E-02
Ankrd43	6.88E-05	4.40E-05	4.44E-05	7.44E-05	9.02E-04	2.14E-03	7.68E-04
Anxa11	1.48E-04	3.49E-05	1.07E-05	5.02E-05	4.39E-03	1.49E-03	2.61E-03
Anxa2	9.34E-04	7.42E-05	NaN	2.79E-03	5.46E-05	8.44E-04	1.36E-03
Anxa4	5.77E-05	9.75E-05	2.11E-05	9.16E-05	1.38E-04	1.73E-05	2.14E-05
Apba1	3.40E-04	3.76E-04	2.28E-03	3.60E-03	3.63E-02	2.98E-02	8.84E-03
Apba2	4.30E-03	9.12E-03	1.40E-02	2.97E-02	7.67E-02	4.82E-02	4.88E-02
Apc	NaN	5.27E-03	1.53E-02	2.14E-02	3.67E-02	3.71E-02	2.08E-02
Apc2	1.80E-03	1.04E-02	1.02E-02	2.63E-02	1.31E-02	4.70E-02	1.94E-02
Aph1a	3.22E-03	4.60E-04	2.68E-03	5.23E-05	6.21E-04	8.50E-03	1.00E-03
Aph1b	7.11E-04	1.24E-04	2.38E-04	1.69E-04	2.43E-03	1.66E-03	3.84E-04
Aph1c	6.52E-02	4.05E-02	8.66E-02	1.62E-01	1.50E-01	1.28E-01	9.66E-02
Aplp1	2.37E-04	5.33E-02	6.99E-02	1.04E-01	1.20E-01	1.37E-01	1.21E-01
Apod	1.05E-02	4.53E-03	3.49E-03	6.46E-03	7.03E-03	1.84E-02	4.08E-02
Apoe	5.28E-03	1.62E-02	1.66E-02	3.52E-02	5.65E-02	6.53E-02	4.79E-02
App	3.99E-02	3.07E-02	3.69E-02	9.79E-02	1.37E-01	1.24E-01	1.24E-01
Aqp4	2.63E-04	3.42E-04	3.91E-05	1.62E-03	3.17E-03	2.43E-02	1.29E-02
Ar	8.26E-05	1.57E-05	4.90E-05	1.68E-04	1.28E-04	5.89E-04	5.20E-04
Arc	1.75E-03	9.20E-05	9.81E-05	1.19E-04	1.00E-03	7.44E-03	4.25E-03
Areg	2.28E-03	2.42E-05	3.75E-05	2.14E-04	1.63E-04	1.15E-04	5.33E-05
Arf6	7.54E-02	6.32E-03	7.23E-03	2.37E-03	1.52E-02	2.25E-02	1.26E-02
Arhgap25	1.93E-04	6.28E-05	3.13E-05	1.28E-04	7.54E-05	1.01E-04	2.58E-05
Arnt	3.72E-03	1.68E-04	1.14E-03	1.34E-03	3.38E-03	1.69E-02	2.15E-02
Arnt2	8.61E-03	1.20E-02	1.02E-02	1.80E-02	8.50E-03	8.83E-03	1.12E-02

Arntl	3.88E-04	2.01E-04	6.09E-04	2.37E-03	1.14E-02	5.39E-03	6.76E-03
Arntl2	1.42E-04	NaN	1.10E-03	1.45E-04	2.15E-04	2.24E-04	3.35E-05
Artn	1.57E-03	5.46E-05	4.86E-05	4.95E-04	2.17E-04	1.71E-04	8.89E-05
Arvcf	1.80E-03	8.11E-03	6.19E-03	1.20E-02	1.02E-02	1.24E-02	1.04E-02
Arx	7.36E-03	9.99E-03	3.51E-03	8.59E-03	2.05E-03	1.20E-03	3.92E-04
Ascl1	2.16E-02	2.56E-03	7.68E-04	2.24E-03	4.09E-04	1.54E-03	5.71E-03
Ascl2	7.37E-05	5.47E-05	2.32E-05	2.03E-04	3.62E-04	7.27E-04	2.98E-04
Ascl3	7.98E-05	4.86E-04	1.07E-04	1.09E-04	1.94E-04	5.22E-04	1.23E-04
Ascl4	2.74E-04	1.60E-04	1.22E-04	1.05E-04	1.66E-04	NaN	2.88E-05
Astn1	2.44E-03	9.21E-04	1.38E-02	2.66E-02	6.14E-02	4.04E-02	4.79E-02
Astn2	1.73E-03	5.81E-03	2.72E-02	1.48E-02	6.20E-02	4.67E-02	3.70E-02
Atbf1	2.56E-02	3.11E-02	3.33E-02	3.71E-02	2.60E-02	NaN	1.26E-02
Atf1	3.44E-04	1.96E-04	1.43E-04	2.57E-04	6.27E-05	1.62E-04	2.46E-04
Atf2	1.49E-02	1.36E-03	7.86E-03	9.79E-03	4.77E-02	3.56E-02	3.32E-02
Atf3	1.17E-04	5.75E-05	4.36E-05	1.46E-04	5.47E-05	1.78E-04	1.36E-04
Atf4	1.91E-02	1.08E-02	8.54E-03	1.65E-02	2.72E-03	2.60E-02	6.05E-02
Atf5	1.11E-02	8.95E-03	NaN	4.16E-03	4.30E-03	NaN	1.69E-02
Atoh1	2.74E-04	1.20E-04	8.50E-05	1.23E-04	4.86E-05	NaN	4.80E-05
Atoh7	9.53E-05	5.13E-05	3.23E-05	1.26E-04	NaN	7.74E-05	1.14E-04
Atoh8	NaN	NaN	2.30E-02	1.93E-03	NaN	8.83E-05	NaN
Atp10a	5.02E-05	2.93E-04	2.30E-04	1.16E-04	NaN	2.63E-03	9.91E-04
Atp1a1	1.37E-03	5.08E-03	1.23E-02	9.47E-03	6.68E-02	5.92E-02	7.51E-02
Atp1a2	2.25E-04	2.03E-02	4.98E-04	1.99E-02	2.96E-02	2.81E-02	1.92E-02
Atp1b2	5.05E-05	3.67E-03	1.60E-02	3.39E-02	7.57E-02	1.31E-01	8.72E-02
Atxn1	3.15E-04	9.21E-05	2.78E-03	2.75E-03	2.04E-02	2.37E-02	3.15E-02
Avp	1.15E-04	3.81E-05	5.61E-05	5.41E-04	4.39E-04	2.45E-04	3.31E-04
Avpr1a	6.35E-04	5.83E-05	1.72E-04	6.69E-05	8.94E-05	4.36E-04	1.71E-03
Avpr1b	1.94E-05	1.97E-04	3.96E-05	1.06E-04	1.56E-04	1.19E-05	2.58E-05
Avpr2	4.70E-05	7.39E-05	3.16E-05	3.29E-04	1.10E-04	2.95E-04	9.89E-05
Axin1	8.67E-03	4.79E-03	7.14E-03	2.19E-02	1.58E-02	2.18E-02	1.26E-02
Axin2	7.06E-03	1.24E-02	2.68E-03	1.93E-04	2.56E-03	1.23E-02	5.45E-03
Axl	5.20E-04	3.29E-03	4.59E-04	1.60E-03	1.52E-03	7.20E-04	2.68E-04
B020006M18Rik	7.95E-05	8.39E-05	7.75E-05	7.38E-05	1.64E-04	5.01E-05	2.28E-04
B230220E17Rik	3.24E-04	1.56E-04	6.07E-04	1.28E-04	NaN	3.72E-03	2.08E-03
B3galt2	8.20E-05	4.50E-04	2.28E-04	2.07E-03	6.13E-03	1.69E-03	1.95E-03
B3gat2	1.21E-04	1.56E-04	3.93E-04	8.18E-04	6.57E-04	7.26E-04	3.16E-04
B3gnt2	1.33E-04	4.12E-04	7.11E-04	1.56E-04	2.18E-04	3.23E-04	8.94E-04
Bach1	1.12E-02	1.19E-04	1.63E-04	4.68E-04	1.92E-04	4.44E-03	1.20E-03
Bach2	2.30E-03	6.65E-03	6.06E-04	2.82E-04	6.54E-04	6.61E-03	2.96E-04
Baiap3	9.76E-04	3.65E-05	1.44E-04	6.65E-03	1.21E-02	9.69E-03	9.33E-03
Bambi	2.67E-03	8.81E-05	2.52E-04	6.75E-04	8.14E-04	3.57E-03	7.90E-04
Bapx1	8.58E-05	1.29E-04	4.01E-05	8.59E-05	2.15E-04	4.66E-05	2.34E-04
Barhl1	3.94E-04	5.35E-04	2.24E-04	3.49E-04	1.31E-04	1.75E-04	7.23E-04
Barx1	3.25E-05	1.20E-04	3.12E-05	2.37E-04	2.12E-04	1.03E-04	1.86E-04
Barx2	3.74E-04	8.63E-05	7.84E-05	5.50E-03	6.00E-03	1.51E-03	3.32E-03
Bbx	1.34E-03	4.55E-04	9.76E-05	3.88E-04	1.27E-03	1.97E-03	5.10E-04
Bcan	1.50E-04	8.07E-03	5.76E-03	2.20E-02	4.11E-02	7.34E-02	4.66E-02
Bcar1	1.91E-04	3.05E-03	1.08E-03	7.55E-05	1.11E-03	2.27E-02	2.86E-02
Bcat1	2.13E-03	1.41E-03	1.23E-04	3.44E-03	2.32E-02	3.88E-02	3.35E-02
Bche	5.28E-05	4.61E-05	NaN	8.26E-05	8.86E-05	2.45E-04	1.86E-04
Bcl11a	4.40E-02	3.86E-02	1.12E-02	7.79E-03	4.49E-03	3.59E-02	1.67E-02
Bcl11b	2.96E-04	1.58E-03	2.59E-03	5.56E-03	3.28E-03	7.30E-03	1.77E-03
Bcl2	1.13E-03	6.10E-05	9.49E-04	3.65E-04	9.28E-04	1.13E-03	1.25E-04
Bcl2l11	5.68E-05	2.01E-03	9.92E-05	6.98E-04	3.88E-03	5.96E-03	1.51E-04
Bcl6	6.83E-04	8.40E-05	1.09E-04	3.09E-04	NaN	3.03E-03	2.82E-03
Bcl9	4.14E-03	3.72E-04	5.63E-04	4.72E-03	2.10E-02	5.80E-03	1.10E-03
Bcor	1.61E-03	8.29E-03	4.94E-03	2.89E-03	1.07E-03	4.03E-03	1.29E-03
Bcorl1	3.90E-03	6.80E-04	7.31E-04	7.43E-04	7.57E-03	1.46E-02	4.80E-03

Bdnf	8.57E-05	1.00E-04	2.90E-04	2.23E-03	5.97E-04	1.42E-02	6.13E-03
Bhlhb2	3.71E-04	2.44E-04	1.36E-04	5.07E-03	3.77E-03	4.77E-03	4.26E-02
Bhlhb3	5.88E-04	7.69E-05	9.35E-05	2.19E-04	9.31E-05	1.75E-02	2.64E-03
Bhlhb4	4.40E-04	5.79E-03	1.25E-03	1.28E-03	4.17E-04	1.31E-04	6.83E-05
Bhlhb5	1.72E-03	2.47E-02	5.70E-03	1.80E-03	8.31E-03	2.73E-02	2.41E-02
Bhlhb8	3.50E-04	1.19E-03	1.15E-04	8.74E-05	1.76E-03	NaN	5.87E-04
Bicd1	4.35E-04	7.58E-05	NaN	3.12E-04	4.69E-04	6.44E-04	2.03E-03
Bmp1	3.63E-04	1.36E-04	3.41E-05	1.05E-03	1.31E-04	2.13E-03	8.60E-04
Bmp10	6.91E-04	7.35E-05	3.36E-05	4.78E-04	6.89E-04	3.30E-04	1.47E-04
Bmp15	1.94E-04	2.66E-04	5.06E-05	7.70E-05	8.50E-05	8.55E-05	1.29E-05
Bmp2	2.51E-05	6.63E-06	9.75E-05	4.54E-04	1.19E-04	1.08E-03	2.66E-05
Bmp3	1.19E-03	1.63E-04	4.43E-05	2.40E-03	1.78E-03	6.23E-04	1.95E-04
Bmp4	4.67E-03	7.47E-04	6.85E-05	5.17E-04	4.09E-04	1.02E-02	2.26E-03
Bmp5	1.75E-03	2.63E-03	6.41E-04	2.29E-03	1.36E-04	2.53E-04	9.21E-05
Bmp6	5.15E-04	1.12E-03	3.93E-04	1.82E-03	4.83E-04	1.69E-03	3.31E-04
Bmp7	1.69E-05	1.66E-03	2.07E-04	1.01E-04	NaN	1.02E-03	2.44E-03
Bmp8a	1.06E-04	2.45E-05	2.55E-05	5.97E-04	1.40E-04	2.36E-03	9.04E-05
Bmpr1a	3.96E-03	2.56E-04	4.53E-04	1.78E-03	7.78E-04	3.25E-03	1.93E-03
Bmpr1b	1.39E-03	9.79E-05	1.67E-05	8.31E-04	1.11E-03	2.33E-05	5.71E-05
Bmpr2	8.10E-03	9.54E-04	2.82E-03	3.41E-02	5.12E-02	2.12E-02	1.87E-02
Bmyc	4.18E-04	7.36E-05	1.07E-04	3.04E-04	9.10E-05	4.65E-04	5.05E-05
Boc	1.79E-04	1.94E-04	5.09E-05	4.65E-04	1.72E-04	1.71E-04	1.52E-04
Bsx	2.04E-03	1.21E-04	2.30E-04	1.34E-03	1.52E-04	NaN	1.25E-03
Btbd11	1.81E-05	1.11E-03	8.27E-04	1.06E-03	1.69E-02	3.57E-02	3.16E-02
Btc	4.50E-05	2.73E-05	2.25E-05	4.27E-04	8.69E-04	7.16E-05	3.19E-05
Btrc	2.84E-03	1.34E-04	5.45E-05	8.17E-04	2.09E-02	9.29E-03	2.91E-03
C030002O17Rik	6.01E-04	5.37E-05	1.49E-04	2.45E-03	2.05E-03	1.04E-02	6.01E-03
C130076O07Rik	3.16E-04	1.76E-02	2.96E-02	1.72E-02	1.45E-02	8.42E-02	7.99E-02
C1qa	1.64E-03	1.57E-03	4.39E-03	1.72E-03	1.46E-02	1.57E-02	7.20E-03
C1qb	7.36E-04	NaN	7.03E-04	5.24E-04	1.01E-03	1.09E-04	3.03E-04
C1ql2	2.63E-04	2.30E-04	3.91E-04	2.20E-03	1.79E-03	8.79E-03	5.44E-03
C230009H10Rik	5.78E-04	4.58E-04	4.73E-04	1.88E-02	2.22E-02	1.74E-02	3.73E-02
C330003B14Rik	1.85E-04	1.01E-04	6.50E-05	7.11E-05	3.47E-05	2.46E-04	6.84E-05
C4b	6.59E-05	5.88E-05	6.42E-05	1.91E-04	3.10E-04	1.08E-03	1.22E-03
Cacna1a	1.12E-04	1.27E-04	8.78E-04	1.70E-02	5.29E-02	5.17E-02	4.34E-02
Cacna1b	1.68E-04	8.61E-05	3.21E-05	1.50E-03	5.41E-03	1.79E-02	2.72E-03
Cacna1g	1.01E-04	4.44E-03	2.04E-02	1.88E-02	3.78E-02	7.93E-02	5.50E-02
Cacna1h	2.18E-04	1.95E-03	9.66E-03	3.72E-02	3.23E-02	1.39E-02	9.10E-03
Cacna2d1	2.03E-04	7.39E-04	1.49E-03	6.54E-03	3.25E-02	2.96E-02	1.54E-02
Cacna2d3	3.87E-04	2.08E-03	9.04E-03	1.32E-02	5.50E-02	5.03E-02	3.58E-02
Cacng5	3.16E-04	1.25E-05	2.36E-04	3.58E-05	8.13E-03	3.32E-02	9.47E-03
Cacng7	NaN	2.07E-04	1.10E-03	3.53E-03	2.63E-03	4.19E-03	5.74E-03
Cadps2	1.27E-04	1.08E-04	2.13E-04	8.04E-03	5.84E-03	5.89E-03	7.05E-03
Calb1	5.07E-04	3.92E-03	2.64E-03	4.79E-03	1.16E-02	3.22E-02	3.10E-02
Calb2	2.09E-04	3.41E-03	3.26E-02	5.50E-02	6.66E-02	7.49E-02	4.74E-02
Calca	9.94E-05	2.16E-04	4.66E-04	5.46E-04	2.50E-04	8.01E-03	1.17E-03
Calcb	3.15E-04	9.72E-05	9.23E-05	8.85E-04	1.05E-03	2.43E-03	7.73E-04
Calcr	8.59E-05	5.99E-05	2.17E-04	1.34E-03	2.49E-04	4.81E-04	1.76E-04
Camk2a	1.80E-04	2.08E-04	1.26E-02	2.12E-03	8.80E-03	4.66E-02	5.50E-02
Camk4	2.62E-04	1.51E-04	4.74E-04	2.00E-02	4.81E-02	2.50E-02	4.85E-03
Camta1	5.72E-03	1.20E-03	1.77E-02	6.71E-02	6.66E-02	4.60E-02	3.95E-02
Camta2	1.37E-03	3.47E-05	1.04E-04	2.09E-02	2.54E-02	2.30E-02	1.71E-02
Car10	9.71E-04	2.51E-04	1.61E-02	4.14E-02	6.48E-02	5.44E-02	1.80E-02
Car2	7.19E-03	6.84E-03	6.58E-03	2.25E-03	8.58E-03	9.28E-03	4.47E-02
Car3	3.47E-04	8.60E-05	1.43E-04	1.02E-04	4.53E-04	2.57E-03	4.29E-04
Cart	9.49E-04	2.31E-04	2.79E-04	2.81E-04	2.02E-03	1.09E-03	2.10E-03
Cart1	1.72E-04	2.02E-04	9.25E-05	1.42E-04	1.40E-04	3.43E-05	7.72E-05
Casp3	8.43E-03	1.82E-02	3.67E-02	2.66E-02	5.84E-02	3.92E-04	8.78E-03

Cbln2	1.19E-03	3.77E-02	3.04E-02	7.31E-02	7.34E-02	4.61E-02	2.77E-02
Cbln3	7.34E-04	6.70E-05	5.77E-05	4.59E-04	1.33E-04	2.47E-04	1.26E-04
Cbln4	2.05E-04	5.06E-04	4.51E-03	4.33E-02	3.57E-02	3.03E-02	1.05E-02
Cck	2.74E-04	2.13E-05	1.15E-04	1.75E-03	1.82E-02	6.52E-02	5.03E-02
Cckar	5.36E-05	4.34E-05	NaN	4.96E-04	2.72E-04	8.32E-04	5.95E-04
Cckbr	1.99E-04	2.38E-05	7.54E-05	NaN	1.84E-03	2.03E-03	8.81E-04
Ccng1	7.28E-04	1.26E-04	3.09E-04	1.48E-03	5.00E-04	9.40E-05	5.95E-05
Cd109	1.77E-04	4.26E-05	2.86E-05	3.48E-04	5.07E-04	1.95E-04	1.03E-04
Cd164	7.94E-04	2.09E-03	1.55E-03	1.70E-03	4.46E-03	6.23E-03	1.18E-02
Cd24a	6.20E-02	2.81E-02	4.01E-02	5.19E-02	2.77E-02	1.09E-02	2.80E-03
Cd44	4.78E-04	4.20E-05	1.76E-04	2.76E-04	4.82E-04	1.09E-03	6.12E-04
Cd47	1.47E-03	3.74E-02	4.96E-02	5.52E-02	9.22E-02	7.07E-02	8.83E-02
Cd59a	5.60E-04	2.85E-05	9.15E-05	1.64E-03	9.10E-03	4.12E-03	2.37E-03
Cd9	2.67E-03	8.07E-04	1.77E-03	1.23E-03	8.01E-03	3.71E-02	2.37E-02
Cdc42	1.07E-02	1.58E-02	7.12E-03	1.83E-02	3.31E-02	4.13E-02	4.69E-02
Cdh1	1.81E-04	3.01E-04	8.51E-05	1.41E-03	6.54E-03	2.35E-04	1.63E-04
Cdh10	7.03E-04	4.49E-05	7.12E-04	5.47E-03	1.14E-02	7.18E-03	1.86E-03
Cdh11	NaN	1.33E-03	5.53E-03	3.70E-02	3.27E-02	2.14E-02	8.10E-03
Cdh12	1.37E-03	2.98E-04	3.31E-04	2.46E-03	3.10E-03	3.54E-03	3.59E-03
Cdh13	1.44E-03	1.62E-03	3.70E-03	1.78E-02	5.41E-02	4.38E-02	1.96E-02
Cdh17	6.07E-05	1.10E-03	1.33E-04	1.57E-04	9.34E-05	3.21E-05	1.37E-04
Cdh2	1.72E-02	4.68E-03	1.96E-02	4.13E-02	4.70E-02	4.23E-02	3.00E-02
Cdh20	NaN	NaN	NaN	6.81E-04	2.88E-03	9.41E-04	1.36E-02
Cdh23	2.14E-04	4.99E-04	5.66E-04	4.76E-03	4.87E-04	1.67E-03	3.97E-04
Cdh24	1.25E-03	5.19E-03	1.19E-02	1.49E-02	1.29E-02	2.25E-02	6.50E-03
Cdh3	1.17E-04	1.93E-04	1.15E-04	3.71E-04	6.88E-05	8.52E-04	4.30E-05
Cdh4	6.70E-05	1.16E-04	1.57E-03	1.62E-03	2.24E-03	2.21E-03	5.78E-04
Cdh5	2.70E-02	2.25E-02	7.47E-03	7.47E-03	4.37E-03	7.24E-03	1.51E-03
Cdh6	4.13E-04	1.25E-03	9.62E-03	1.78E-02	1.69E-02	3.35E-02	1.72E-02
Cdh7	3.21E-04	2.04E-04	6.30E-04	5.75E-03	2.45E-02	1.26E-02	3.89E-03
Cdh8	2.78E-03	1.38E-02	2.74E-02	4.79E-02	6.40E-02	6.33E-02	4.01E-02
Cdh9	4.70E-04	2.50E-04	1.09E-03	1.10E-03	9.03E-03	6.07E-03	3.92E-03
Cdk5	3.71E-04	3.88E-04	8.42E-04	8.91E-03	1.36E-02	1.24E-02	1.79E-02
Cdk5r1	6.43E-05	1.26E-02	1.24E-02	4.16E-02	5.79E-02	7.82E-02	4.94E-02
Cdon	1.19E-03	8.43E-03	3.01E-03	6.75E-03	5.11E-04	2.18E-03	2.05E-04
Cds1	1.33E-04	2.18E-04	3.45E-04	2.64E-03	4.35E-03	1.61E-02	3.02E-02
Cdx1	5.86E-05	1.51E-04	7.19E-05	7.70E-05	2.14E-04	3.31E-04	9.99E-04
Cdx2	2.60E-04	7.08E-05	6.12E-05	1.42E-04	5.72E-05	2.94E-04	1.53E-04
Cdx4	6.08E-04	1.41E-04	7.91E-05	6.74E-05	5.07E-05	1.62E-04	7.49E-05
Cebpa	NaN	9.19E-05	1.18E-04	7.77E-04	5.33E-04	NaN	3.02E-04
Cebpe	1.19E-01	1.46E-02	9.70E-03	NaN	NaN	NaN	NaN
Cebpg	7.63E-05	6.12E-04	1.97E-04	1.46E-04	6.32E-04	5.64E-03	6.66E-04
Celsr1	5.38E-03	7.85E-04	2.95E-04	4.78E-03	2.34E-04	5.53E-04	7.43E-05
Celsr2	4.97E-04	5.30E-04	8.23E-04	4.34E-04	7.78E-04	5.41E-03	9.32E-03
Celsr3	1.15E-03	1.70E-02	3.58E-02	4.83E-02	2.68E-02	5.16E-02	5.12E-02
Cenpb	1.34E-02	5.11E-03	4.80E-03	1.52E-03	6.84E-03	5.08E-03	1.49E-03
Cerk	4.20E-04	4.38E-04	1.24E-03	1.39E-04	2.66E-03	8.95E-03	1.10E-02
Cfc1	4.28E-04	3.24E-05	2.36E-05	2.29E-04	1.58E-04	8.73E-05	8.54E-06
Cflar	4.17E-04	3.60E-04	1.94E-04	1.73E-04	1.20E-04	8.48E-05	4.77E-05
Chat	1.72E-04	4.83E-05	3.26E-05	6.00E-04	5.62E-04	8.43E-04	1.40E-03
Ches1	3.47E-03	7.81E-04	6.32E-04	5.35E-04	1.85E-03	9.97E-03	6.52E-03
Chl1	9.73E-04	1.81E-02	3.54E-02	4.67E-02	5.70E-02	2.80E-02	2.49E-02
Chrm1	4.29E-05	8.90E-04	3.04E-05	2.82E-02	1.83E-02	2.47E-02	1.34E-02
Chrm2	2.50E-04	5.18E-05	1.39E-04	3.63E-03	8.80E-03	1.96E-02	8.66E-03
Chrm3	8.02E-04	9.37E-04	9.45E-03	7.46E-03	1.09E-03	3.84E-02	1.45E-02
Chrm4	5.24E-03	2.10E-05	2.03E-03	1.35E-04	1.39E-02	2.79E-02	9.59E-03
Chrm5	1.85E-04	2.36E-05	1.79E-04	1.87E-04	2.04E-03	7.49E-04	2.63E-04
Chrna1	NaN	NaN	NaN	NaN	NaN	NaN	NaN

Chrna2	9.50E-04	5.75E-05	3.24E-05	1.14E-04	3.27E-04	1.72E-04	1.93E-03
Chrna3	4.09E-05	1.86E-04	4.11E-05	2.10E-03	1.07E-02	3.18E-03	1.42E-03
Chrna4	1.07E-03	2.94E-03	2.74E-03	2.23E-02	5.55E-02	4.75E-02	5.34E-02
Chrna5	5.31E-05	5.22E-05	5.03E-05	2.00E-04	1.49E-03	1.61E-04	6.14E-05
Chrna6	5.61E-05	2.46E-05	2.87E-04	1.44E-04	8.22E-04	9.10E-04	5.87E-04
Chrna7	1.41E-04	7.14E-05	1.14E-04	4.39E-04	3.31E-03	2.17E-03	3.60E-04
Chrna9	5.09E-05	5.42E-05	5.87E-05	1.24E-04	2.77E-04	4.17E-05	1.09E-04
Chrn2	1.74E-04	5.47E-04	2.84E-04	3.15E-03	4.00E-03	6.56E-03	1.92E-02
Chrn3	1.23E-04	1.24E-05	2.00E-05	5.09E-04	7.84E-04	1.57E-03	5.28E-04
Chrn4	1.12E-04	1.27E-04	8.51E-05	3.75E-04	5.83E-04	3.96E-03	2.69E-03
Chst2	1.33E-03	1.05E-03	2.56E-02	3.39E-02	3.91E-02	3.59E-02	1.60E-02
Churc1	2.32E-04	5.18E-05	5.02E-05	4.39E-04	3.46E-03	4.42E-02	1.39E-02
Chx10	2.75E-04	1.77E-04	9.93E-05	1.65E-04	1.26E-04	3.81E-04	3.17E-04
Cic	3.07E-03	4.44E-03	6.13E-03	2.19E-02	2.50E-02	2.84E-02	8.28E-03
Cit	4.86E-04	1.79E-04	1.30E-04	4.95E-03	3.14E-02	5.69E-02	1.01E-01
Cited1	6.34E-03	1.78E-03	1.18E-03	2.53E-02	2.32E-02	8.91E-03	3.08E-02
Cited2	NaN	1.35E-02	1.07E-02	1.97E-02	3.72E-02	NaN	6.90E-02
Clca2	6.75E-04	1.26E-05	5.17E-04	7.94E-04	4.04E-04	1.86E-04	1.49E-04
Cldn11	1.49E-04	2.15E-02	1.72E-03	4.01E-03	1.17E-03	2.95E-02	5.18E-02
Cldn5	1.80E-03	4.42E-03	1.18E-02	1.97E-02	1.64E-02	3.78E-02	1.10E-02
Clec7a	2.06E-05	1.09E-04	2.09E-04	1.92E-04	1.22E-04	3.55E-04	1.49E-04
Clock	6.14E-04	5.52E-04	1.42E-03	1.88E-02	3.12E-03	9.81E-03	2.13E-03
Clstn1	4.72E-03	1.80E-02	2.38E-02	6.37E-02	9.57E-02	1.28E-01	1.18E-01
Clstn2	1.26E-03	3.73E-04	7.43E-03	1.08E-02	9.60E-03	2.09E-02	1.40E-02
Clu	3.53E-03	1.23E-02	2.10E-02	2.84E-02	4.81E-02	6.01E-02	4.81E-02
Cnp1	1.36E-03	5.23E-05	1.64E-03	2.47E-03	1.76E-02	5.06E-02	6.48E-02
Cnr1	1.49E-03	1.95E-02	4.75E-03	1.96E-02	1.58E-02	1.41E-02	1.11E-02
Cnr2	9.37E-05	4.14E-04	5.19E-05	1.38E-04	8.94E-05	5.13E-04	4.17E-04
Cntn1	6.30E-04	1.60E-03	7.66E-03	5.41E-02	7.85E-02	7.02E-02	6.11E-02
Cntn2	3.39E-03	1.93E-02	9.40E-03	2.13E-02	7.36E-03	1.35E-02	1.88E-02
Cntn3	1.08E-03	1.01E-03	4.85E-03	3.30E-03	8.84E-03	2.57E-02	1.83E-02
Cntn6	2.05E-04	2.74E-04	4.85E-04	2.66E-03	1.14E-02	1.36E-02	8.81E-04
Cntnap4	1.90E-04	1.27E-04	1.66E-03	4.69E-03	7.34E-03	1.67E-02	4.86E-03
Coch	2.11E-04	4.03E-05	4.06E-04	6.73E-04	NaN	1.18E-02	6.59E-03
Col11a1	2.83E-03	6.89E-03	3.55E-03	1.40E-02	7.60E-03	2.08E-02	1.16E-02
Col11a2	9.72E-04	5.16E-04	1.13E-03	1.49E-03	5.37E-03	3.23E-02	1.03E-02
Col12a1	4.02E-03	1.32E-03	1.37E-03	4.65E-04	1.18E-03	1.21E-02	6.14E-03
Col13a1	3.75E-04	2.07E-03	6.81E-04	9.09E-04	1.55E-04	1.63E-02	1.85E-03
Col14a1	1.86E-03	7.87E-04	1.71E-04	2.65E-04	2.09E-04	3.29E-04	2.78E-04
Col15a1	4.32E-03	2.98E-03	1.68E-03	8.08E-04	7.12E-03	1.78E-02	8.74E-03
Col16a1	1.86E-03	5.55E-03	3.47E-03	1.60E-02	9.14E-03	3.50E-02	2.14E-02
Col18a1	9.65E-03	3.53E-02	7.86E-03	2.97E-03	6.15E-04	1.59E-02	6.71E-03
Col1a1	6.70E-02	3.74E-02	2.31E-02	2.12E-02	3.07E-02	1.51E-02	8.55E-03
Col23a1	4.03E-03	4.85E-03	1.11E-03	1.51E-03	7.30E-04	2.47E-03	2.95E-04
Col24a1	4.94E-04	2.03E-04	2.12E-04	6.30E-04	9.81E-04	7.68E-03	2.48E-03
Col2a1	1.32E-02	4.10E-02	1.69E-02	1.07E-02	7.28E-03	NaN	5.74E-03
Col3a1	7.58E-02	3.03E-02	1.15E-02	1.22E-02	8.80E-03	1.24E-02	2.59E-03
Col4a1	7.93E-02	5.13E-02	4.99E-02	7.02E-02	4.72E-02	4.32E-02	2.24E-02
Col4a2	2.19E-02	1.38E-02	3.95E-02	2.02E-02	7.29E-03	2.30E-02	5.95E-03
Col4a5	1.96E-03	9.84E-03	4.37E-03	2.94E-03	3.44E-04	7.94E-03	4.28E-03
Col5a1	2.92E-03	7.68E-03	2.90E-03	8.74E-03	3.78E-03	1.58E-02	1.46E-03
Col5a2	2.17E-02	5.35E-03	4.48E-04	2.42E-03	2.75E-03	9.20E-03	5.73E-04
Col6a1	1.23E-04	3.18E-03	1.12E-04	1.86E-03	5.24E-03	2.02E-03	6.70E-04
Col8a1	5.29E-04	8.21E-05	2.58E-04	6.92E-04	6.63E-04	3.85E-03	5.00E-04
Col9a1	8.83E-04	2.15E-03	1.46E-04	3.99E-04	1.26E-03	1.82E-03	1.84E-04
Col9a3	6.25E-04	2.68E-04	6.28E-03	3.64E-03	1.51E-02	5.04E-02	2.36E-02
Comt	4.52E-04	4.83E-03	NaN	4.12E-03	3.99E-03	2.59E-02	3.93E-02
Copg2	3.28E-03	5.28E-03	1.74E-04	6.60E-04	8.21E-03	1.92E-02	2.08E-02

Cort	1.33E-04	8.54E-05	1.24E-05	1.83E-04	4.31E-04	9.08E-04	1.52E-04
Cotl1	4.42E-02	3.26E-02	2.55E-02	1.42E-02	4.93E-02	7.95E-03	1.39E-02
Cox6a2	3.61E-04	2.96E-05	4.36E-05	1.92E-04	2.86E-04	1.67E-02	4.48E-03
Cpne2	1.26E-03	8.41E-04	3.36E-04	2.04E-02	3.12E-03	6.04E-03	3.40E-03
Cpne7	6.58E-04	1.47E-04	1.29E-04	2.09E-02	9.26E-02	8.67E-02	6.03E-02
Creb3	4.96E-03	1.10E-04	1.15E-04	NaN	2.20E-03	1.27E-02	2.46E-02
Creb3l1	6.56E-03	6.84E-04	4.44E-05	1.84E-04	2.20E-02	1.88E-03	NaN
Creb3l2	1.77E-04	8.24E-04	3.44E-04	3.88E-04	1.47E-04	3.40E-03	2.53E-03
Creb3l3	8.42E-05	2.28E-04	9.52E-05	8.79E-05	8.01E-05	NaN	2.43E-03
Creb3l4	5.13E-04	2.35E-05	5.58E-05	2.14E-04	1.65E-04	NaN	4.21E-03
Crebbp	4.11E-03	6.66E-03	2.29E-03	5.51E-04	3.31E-03	1.71E-02	6.05E-03
Crebl1	2.06E-04	3.75E-04	4.65E-03	4.72E-03	1.14E-02	4.35E-02	2.62E-02
Crh	8.30E-04	4.45E-05	1.26E-04	1.03E-03	2.89E-03	2.59E-03	1.11E-03
Crhr1	1.85E-04	5.08E-05	1.61E-04	2.40E-03	4.78E-03	5.85E-03	3.19E-03
Crhr2	7.25E-04	5.37E-05	4.69E-04	7.39E-04	3.57E-04	2.66E-03	2.87E-04
Crif1	4.38E-04	1.71E-04	7.59E-05	7.74E-05	5.62E-03	2.39E-03	4.93E-04
Crtac1	2.14E-04	2.17E-04	4.26E-04	1.21E-02	4.47E-03	2.63E-02	7.66E-03
Crx	3.21E-04	3.32E-04	3.69E-04	1.28E-03	6.40E-04	3.64E-04	3.22E-04
Crxos1	6.86E-05	7.64E-05	2.63E-06	2.83E-05	3.48E-04	1.63E-04	1.39E-03
Crym	1.40E-03	3.80E-03	2.92E-03	8.05E-03	3.37E-03	2.61E-03	3.11E-03
Csdc2	5.23E-05	1.58E-03	8.53E-04	1.83E-02	3.65E-02	2.20E-02	1.30E-02
Csf1	3.03E-03	1.99E-04	2.98E-04	5.36E-04	3.39E-04	2.27E-03	9.63E-04
Csf1r	4.17E-03	7.34E-03	3.34E-03	2.16E-03	1.92E-02	2.24E-02	6.06E-03
Csnk1a1	1.73E-02	5.09E-03	9.18E-03	1.91E-02	3.47E-02	4.97E-02	3.29E-02
Csnk1d	3.00E-02	NaN	5.64E-03	1.49E-02	1.95E-02	2.27E-02	2.28E-02
Csnk1e	4.00E-03	1.14E-02	3.97E-03	2.08E-02	1.30E-02	3.57E-02	2.25E-02
Csnk1g1	2.91E-04	1.20E-04	4.37E-04	5.16E-03	1.00E-02	3.09E-03	4.22E-04
Csnk1g2	1.15E-02	1.69E-04	7.91E-04	4.78E-03	9.44E-03	3.80E-02	1.08E-02
Csnk2a1	1.75E-02	1.07E-02	1.35E-02	1.85E-03	1.93E-02	2.51E-02	1.98E-02
Csnk2a2	2.61E-05	1.69E-04	3.01E-05	1.28E-03	6.43E-03	4.69E-03	5.60E-03
Csnk2b	1.10E-02	NaN	7.96E-04	7.42E-03	1.46E-02	1.89E-02	1.81E-02
Cst3	4.64E-04	1.46E-03	1.42E-02	3.20E-02	6.22E-02	4.52E-02	5.55E-02
Ctbp2	1.08E-02	5.49E-04	2.46E-03	2.39E-03	1.86E-03	9.78E-03	7.57E-03
Ctf1	1.52E-05	2.01E-04	1.02E-04	NaN	NaN	4.52E-05	2.05E-04
Ctgf	2.22E-03	NaN	4.08E-04	2.75E-04	1.68E-04	1.73E-03	7.09E-04
Ctnnb1	2.91E-02	4.39E-02	3.18E-02	3.61E-02	6.22E-02	1.03E-01	8.58E-02
Ctnnbip1	9.21E-04	9.24E-05	1.25E-03	3.08E-03	1.47E-02	1.49E-02	6.45E-03
Ctnnd1	5.75E-03	2.22E-03	1.25E-03	8.80E-04	4.58E-03	2.88E-02	2.07E-02
Ctso	1.42E-04	1.52E-04	2.20E-05	4.61E-04	1.02E-04	2.41E-05	1.55E-05
Ctsr	2.16E-04	3.38E-05	4.59E-04	3.60E-03	3.45E-04	2.48E-03	1.04E-03
Ctss	1.30E-03	2.50E-04	3.70E-04	3.38E-03	3.27E-03	7.47E-03	4.22E-03
Cttnbp2	1.65E-03	4.54E-03	9.30E-03	1.11E-02	2.55E-02	6.36E-02	5.40E-02
Cutl1	1.93E-03	7.76E-04	1.13E-03	1.37E-03	5.36E-04	7.01E-03	5.15E-03
Cutl2	1.15E-02	3.76E-03	1.76E-03	1.57E-02	3.20E-02	3.35E-02	3.10E-02
Cx3cl1	4.46E-04	5.09E-04	1.89E-04	1.12E-02	2.86E-02	7.73E-02	1.02E-01
Cxcl12	NaN	6.55E-03	1.17E-02	1.07E-02	9.94E-03	4.26E-03	1.42E-03
Cxcr4	1.41E-02	6.73E-03	4.75E-03	6.78E-03	2.05E-03	2.60E-03	2.75E-03
Cxxc4	6.16E-04	2.06E-03	2.53E-03	6.04E-03	2.98E-03	7.61E-03	1.02E-03
Cyc1	1.80E-02	5.68E-04	1.83E-03	2.57E-03	1.66E-02	4.33E-02	2.64E-02
Cyp19a1	5.60E-04	5.70E-05	2.10E-05	7.18E-05	6.29E-05	9.05E-05	3.44E-04
Cyp26b1	2.01E-04	1.10E-03	4.78E-04	1.82E-03	1.22E-03	4.63E-03	9.73E-04
Cyp39a1	1.01E-04	6.57E-05	1.28E-04	2.90E-04	4.58E-04	3.05E-04	3.10E-04
Cyp7b1	5.74E-05	2.43E-04	7.97E-05	8.24E-05	1.89E-04	2.19E-03	1.29E-03
Cyr61	4.76E-03	2.31E-04	6.03E-04	1.95E-03	5.19E-04	1.83E-03	5.32E-04
D030011N01Rik	1.14E-04	1.48E-04	2.51E-05	7.10E-05	3.92E-05	1.49E-04	1.03E-04
D10Ertd610e	4.21E-03	1.45E-03	4.74E-04	1.04E-02	2.93E-02	1.81E-02	1.84E-02
D330017J20Rik	3.13E-05	7.12E-05	5.84E-05	8.73E-05	3.81E-04	1.93E-03	1.51E-03
D630021H01Rik	3.07E-04	3.10E-05	9.27E-05	7.57E-05	5.44E-03	1.92E-04	1.10E-04

D6Wsu176e	6.91E-04	4.14E-04	1.49E-04	2.89E-04	1.01E-02	3.11E-03	1.01E-03
Daam1	4.56E-03	1.06E-02	1.54E-02	4.76E-02	1.72E-02	2.57E-02	2.13E-02
Daam2	2.09E-03	6.08E-03	4.50E-03	1.15E-03	8.49E-04	1.69E-02	1.00E-02
Dab1	4.69E-03	2.40E-02	2.74E-02	2.33E-02	1.67E-02	1.81E-02	1.02E-02
Dach1	3.90E-02	1.61E-02	2.15E-02	2.26E-03	4.30E-03	1.25E-02	8.22E-03
Dach2	5.90E-04	1.00E-04	1.57E-04	1.03E-03	9.13E-04	2.08E-05	2.31E-04
Dact1	4.71E-04	2.71E-04	3.37E-04	9.91E-04	1.50E-02	2.96E-04	2.77E-04
Dbh	2.48E-03	1.03E-04	6.73E-05	1.12E-03	2.78E-04	3.49E-03	9.46E-05
Dbi	4.21E-02	2.22E-02	3.52E-02	2.67E-02	2.32E-02	8.08E-03	1.43E-02
Dbp	1.82E-03	1.71E-04	1.92E-04	4.01E-04	2.84E-04	2.38E-02	1.04E-02
Dbx1	2.08E-02	6.09E-03	5.88E-04	1.49E-04	2.02E-04	1.77E-04	1.05E-04
Dcc	2.27E-03	4.47E-03	5.82E-03	3.76E-04	8.31E-03	1.73E-03	4.32E-04
Dcn	1.64E-03	1.20E-02	6.20E-03	4.78E-03	5.01E-04	6.04E-03	5.43E-03
Dcun1d1	5.31E-04	1.01E-04	1.03E-04	1.23E-04	6.95E-05	1.55E-03	6.58E-05
Dcun1d3	2.49E-04	7.70E-05	8.61E-05	6.68E-04	3.29E-04	4.51E-03	9.65E-04
Dcun1d4	9.81E-04	7.50E-05	3.62E-04	1.75E-04	5.45E-03	4.21E-03	8.84E-03
Dcun1d5	6.67E-03	5.11E-04	1.47E-04	4.72E-04	5.65E-04	6.31E-03	3.73E-03
Dcx	1.52E-03	6.88E-03	1.89E-02	1.27E-02	4.06E-02	4.64E-03	2.28E-04
Ddc	5.82E-04	1.50E-04	1.17E-03	2.79E-03	1.13E-03	2.53E-03	1.22E-03
Ddit3	3.16E-04	3.30E-04	2.97E-04	2.86E-04	8.49E-04	4.70E-03	5.18E-04
Ddit4l	1.64E-04	9.74E-05	7.00E-05	2.51E-04	1.42E-04	4.79E-04	3.30E-04
Ddr1	4.30E-03	3.06E-03	2.34E-03	1.73E-02	2.77E-02	1.54E-02	1.58E-02
Ddr2	2.02E-04	1.08E-04	1.08E-04	9.68E-04	1.51E-03	1.64E-04	9.11E-05
Ddx5	4.47E-02	6.19E-02	5.91E-02	5.78E-02	4.92E-02	6.97E-02	7.63E-02
Deaf1	6.38E-04	1.10E-04	1.36E-02	2.05E-02	1.96E-02	6.01E-02	4.37E-02
Depdc6	7.63E-04	2.12E-05	1.32E-04	2.45E-04	5.98E-04	1.01E-02	6.52E-03
Disc1	5.15E-04	7.17E-05	1.33E-04	1.22E-04	4.78E-04	3.30E-05	7.12E-05
Dkk1	5.55E-04	1.57E-04	2.92E-04	2.55E-05	8.20E-05	2.61E-04	2.72E-05
Dkk2	4.87E-03	5.62E-04	3.94E-04	3.16E-03	NaN	NaN	3.41E-05
Dkk3	2.93E-03	7.19E-04	6.92E-04	2.78E-03	9.66E-03	9.55E-03	4.68E-03
Dkk4	NaN	7.31E-05	9.74E-05	4.02E-05	2.47E-04	NaN	1.03E-03
DIgh4	5.84E-03	2.52E-02	1.12E-02	1.21E-02	2.29E-02	7.48E-02	7.40E-02
DIk1	1.47E-02	6.45E-03	1.47E-02	7.00E-03	3.02E-03	2.96E-03	8.74E-03
DII1	2.35E-02	1.41E-02	2.76E-03	1.20E-03	1.74E-04	2.21E-03	3.16E-04
DII3	7.64E-05	8.61E-05	2.24E-04	5.02E-04	1.03E-04	3.37E-04	1.16E-04
DII4	3.17E-03	1.62E-04	2.44E-03	1.11E-03	1.19E-03	3.08E-03	4.83E-04
DIx1	4.09E-04	4.74E-04	7.25E-04	2.75E-04	2.11E-03	4.48E-04	1.75E-04
DIx2	6.83E-04	4.22E-04	5.93E-05	2.23E-03	9.39E-04	1.02E-03	4.92E-05
DIx3	8.62E-04	NaN	2.68E-05	1.52E-04	9.10E-05	8.33E-04	2.62E-03
DIx4	4.72E-04	1.57E-04	5.04E-05	4.12E-04	1.05E-04	8.05E-05	2.36E-03
DIx5	3.67E-03	1.21E-03	6.68E-04	8.42E-05	2.05E-03	NaN	1.27E-02
DIx6	1.01E-03	1.12E-03	2.27E-03	3.79E-04	4.55E-04	2.16E-04	2.12E-04
Dmbx1	2.30E-03	9.94E-05	6.08E-05	6.00E-04	1.75E-04	NaN	6.25E-03
Dmrt3	2.30E-03	5.13E-03	1.20E-04	3.66E-04	1.95E-04	7.01E-05	NaN
Dmrtb1	6.59E-04	3.15E-04	4.92E-04	1.80E-03	1.81E-04	2.71E-03	4.22E-04
Dnahc2	1.36E-04	4.33E-04	2.54E-04	1.56E-04	3.36E-04	9.32E-05	2.54E-04
Dner	2.98E-04	4.61E-03	2.80E-02	4.03E-02	3.77E-02	6.26E-02	3.43E-02
Dnmt1	7.96E-02	2.10E-02	1.20E-02	1.79E-02	2.06E-02	1.19E-02	6.83E-03
Dnmt2	1.94E-04	8.61E-05	2.73E-04	9.68E-05	5.99E-04	2.49E-04	5.56E-05
Dnmt3a	3.03E-03	8.72E-04	2.63E-04	9.68E-04	1.06E-02	3.72E-02	3.09E-03
Dnmt3b	1.59E-04	2.22E-04	3.07E-05	7.41E-05	1.33E-04	2.10E-04	1.08E-03
Dnmt3l	9.20E-04	2.02E-04	4.47E-05	1.62E-04	8.12E-05	1.10E-04	1.02E-04
Doc2b	4.45E-05	6.25E-05	5.44E-04	7.87E-03	1.52E-02	5.43E-03	2.78E-03
Dpysl5	5.46E-02	4.39E-02	5.86E-02	6.93E-02	8.24E-02	2.19E-02	1.04E-02
Drap1	NaN	5.61E-03	6.17E-03	3.58E-03	3.54E-03	1.54E-02	1.31E-02
Drd1a	1.35E-04	4.49E-05	6.06E-04	2.68E-04	3.79E-04	3.59E-03	1.59E-03
Drd2	1.76E-04	1.89E-05	6.28E-05	3.93E-04	7.00E-04	4.01E-03	2.49E-03
Drd3	1.11E-03	4.26E-05	3.13E-05	2.52E-04	9.73E-05	3.53E-04	2.18E-04

Drd4	7.60E-05	4.69E-05	1.28E-05	1.28E-03	1.65E-05	5.82E-04	7.08E-05
Drd5	5.32E-05	2.86E-05	2.39E-04	1.58E-04	1.80E-04	3.56E-04	1.04E-03
Dsc2	2.74E-04	2.22E-04	3.57E-05	1.14E-04	NaN	7.70E-04	5.76E-04
Dsc3	5.70E-04	NaN	6.79E-05	7.58E-04	3.73E-04	3.71E-04	2.79E-04
Dscaml1	7.43E-04	1.02E-03	4.30E-03	6.30E-04	3.46E-03	1.41E-02	7.11E-03
Dsg1a	1.01E-04	1.54E-05	8.37E-05	4.48E-05	1.48E-04	3.36E-05	1.79E-04
Dsg1b	2.09E-04	5.25E-05	1.61E-04	6.00E-05	1.28E-04	1.27E-04	2.19E-04
Dsg1c	1.35E-03	3.19E-05	6.24E-05	2.69E-05	1.74E-04	3.47E-04	1.47E-04
Dsg3	1.04E-03	1.94E-04	5.69E-04	1.77E-04	1.92E-04	2.86E-04	1.83E-04
Dsp	1.49E-04	3.48E-04	3.25E-05	7.78E-05	6.26E-05	1.76E-03	1.23E-03
Dst	7.54E-04	3.43E-04	7.70E-04	5.76E-04	5.82E-03	2.79E-03	1.65E-03
Dtx1	3.37E-04	1.05E-04	2.10E-04	6.63E-03	2.06E-03	1.01E-02	3.74E-04
Dtx2	8.01E-05	6.48E-04	1.58E-04	8.94E-04	1.52E-04	2.12E-03	5.05E-05
Dtx3	4.19E-02	8.50E-03	8.05E-03	6.83E-02	8.17E-02	4.99E-02	4.39E-02
Dtx4	2.38E-03	3.37E-04	1.19E-04	8.14E-03	1.38E-02	5.52E-04	6.11E-05
Dusp14	2.71E-04	6.88E-04	1.84E-04	2.34E-03	7.20E-04	1.35E-03	4.47E-03
Dusp6	2.21E-03	8.46E-04	1.21E-03	2.37E-03	1.06E-03	4.28E-03	1.46E-03
Dvl1	5.54E-04	9.13E-05	2.12E-03	4.93E-02	7.65E-02	2.32E-02	1.07E-02
Dvl2	5.44E-04	6.75E-05	2.10E-03	1.43E-02	6.49E-03	8.54E-03	4.25E-03
Dvl3	4.80E-03	5.57E-03	1.62E-03	2.36E-02	3.87E-02	3.46E-02	6.54E-03
E130309B19Rik	5.71E-02	4.36E-02	1.42E-02	1.90E-02	2.23E-02	1.87E-02	3.17E-02
E2f1	2.71E-03	6.53E-03	4.49E-04	3.76E-04	1.28E-04	8.55E-03	1.24E-03
E2f2	NaN	4.42E-04	1.03E-04	2.12E-04	NaN	1.20E-04	2.41E-04
E2f3	2.07E-03	7.55E-04	2.09E-04	1.57E-04	6.92E-04	1.39E-04	1.71E-03
E2f4	4.14E-03	1.59E-04	5.19E-05	4.97E-05	1.75E-03	1.09E-02	2.83E-03
E2f5	8.80E-03	1.55E-03	4.55E-04	5.99E-03	2.14E-04	3.20E-04	6.34E-04
E2f6	1.05E-02	4.50E-04	1.41E-04	1.94E-04	1.35E-03	1.15E-02	1.11E-02
E2f7	3.71E-02	6.77E-03	7.79E-04	4.71E-04	5.61E-04	2.05E-04	1.76E-04
E2f8	6.09E-04	6.25E-04	1.13E-04	9.53E-04	NaN	6.69E-04	6.20E-03
Ebf1	3.50E-03	1.97E-02	2.50E-03	2.41E-03	3.36E-03	1.17E-02	6.58E-04
Ebf2	1.40E-04	3.47E-05	5.93E-05	1.11E-04	1.22E-04	8.99E-05	8.15E-05
Ebf3	4.24E-03	4.12E-03	1.70E-02	9.68E-03	2.83E-03	4.08E-03	6.76E-03
Ebf4	4.29E-04	3.52E-04	1.21E-04	1.39E-03	5.61E-03	3.96E-03	1.09E-03
Ece2	1.23E-03	3.56E-05	3.48E-04	2.89E-02	4.53E-02	2.38E-02	1.83E-02
Ecel1	1.87E-03	1.26E-03	7.51E-03	1.21E-02	1.54E-02	8.70E-03	5.34E-03
Edg1	1.56E-05	4.54E-04	2.79E-04	1.41E-03	2.95E-03	9.16E-03	2.17E-03
Ednrb	4.05E-04	1.52E-03	3.97E-04	2.62E-03	2.20E-03	6.49E-03	2.82E-04
Efcbp2	2.48E-03	4.12E-03	1.78E-02	4.21E-02	4.24E-02	2.05E-02	2.39E-02
Efemp1	2.18E-04	5.80E-05	1.09E-05	1.50E-03	1.89E-04	3.18E-04	4.83E-04
Efna1	2.48E-03	1.22E-03	1.06E-04	2.15E-04	1.12E-03	2.96E-03	3.79E-03
Efna2	4.99E-03	2.31E-04	2.80E-04	3.10E-03	7.89E-03	3.40E-03	2.87E-03
Efna3	6.40E-04	3.50E-04	6.61E-04	1.43E-02	7.32E-03	6.86E-03	2.04E-03
Efna4	4.34E-05	2.35E-04	6.52E-05	3.52E-04	2.09E-04	6.30E-05	5.43E-05
Efna5	9.87E-04	7.44E-04	4.06E-03	7.78E-03	1.01E-02	1.63E-02	8.01E-04
Efnb1	1.94E-02	8.32E-03	8.16E-05	5.40E-03	1.89E-03	NaN	1.46E-03
Efnb2	2.96E-03	2.45E-03	3.67E-04	1.12E-02	7.89E-03	3.28E-03	7.77E-04
Efnb3	1.39E-03	1.42E-03	1.27E-02	1.42E-02	2.50E-02	3.30E-02	2.59E-02
Egf	3.04E-04	2.02E-05	3.17E-04	2.15E-04	NaN	1.03E-03	1.41E-04
Egfr	3.34E-04	1.39E-04	1.07E-04	1.05E-02	2.46E-03	9.52E-04	2.16E-04
Egr1	2.24E-04	8.99E-03	1.27E-03	1.26E-03	1.59E-03	1.59E-02	1.70E-02
Egr2	1.21E-02	3.94E-03	2.69E-02	1.88E-02	1.75E-02	2.92E-02	2.13E-02
Ehf	1.57E-03	4.74E-05	3.51E-05	1.79E-04	1.15E-04	1.41E-04	1.71E-03
Elf1	1.51E-03	5.81E-04	9.83E-05	4.45E-04	1.50E-04	9.74E-04	3.98E-04
Elf2	5.06E-02	1.37E-02	4.97E-03	6.40E-03	5.19E-03	1.20E-02	8.20E-03
Elf3	2.62E-04	3.28E-04	1.17E-04	7.52E-05	5.55E-05	1.43E-04	8.75E-05
Elf4	7.93E-04	2.86E-05	1.00E-04	1.66E-04	3.25E-04	1.31E-04	9.16E-05
Elf5	2.21E-04	1.87E-04	5.13E-04	1.34E-04	8.37E-05	NaN	1.16E-05
Elk1	1.27E-02	8.99E-03	1.37E-02	1.94E-02	1.52E-02	2.97E-02	2.62E-02

Elk3	8.79E-03	9.37E-03	4.07E-04	NaN	9.35E-04	NaN	NaN
Elk4	2.76E-03	1.46E-03	NaN	2.44E-04	4.09E-04	1.97E-03	2.51E-03
Emx1	5.85E-03	4.20E-03	2.00E-04	3.64E-05	3.74E-05	1.72E-05	1.90E-05
Emx2	6.49E-03	2.47E-03	1.58E-04	6.57E-04	1.36E-04	7.21E-05	1.12E-05
En1	6.90E-03	2.38E-04	3.91E-04	2.35E-04	2.29E-04	1.35E-04	1.88E-04
En2	2.20E-04	9.69E-05	7.26E-06	1.80E-04	4.17E-04	7.12E-04	6.95E-05
Enah	2.27E-02	4.73E-04	2.06E-02	7.04E-03	1.31E-02	1.30E-02	2.67E-02
Enc1	1.22E-02	2.51E-02	4.05E-02	4.92E-02	6.81E-02	5.48E-02	4.62E-02
Eng	4.78E-03	8.48E-03	1.17E-02	1.56E-02	4.09E-03	1.99E-02	3.96E-03
Eomes	4.64E-03	1.58E-02	7.28E-03	3.33E-03	1.85E-03	1.96E-03	7.03E-04
Epas1	2.57E-03	9.72E-03	6.66E-03	4.65E-03	1.07E-02	3.83E-02	2.20E-02
Epha1	2.39E-05	3.07E-04	9.07E-05	4.31E-03	7.99E-03	9.61E-03	3.77E-03
Epha10	2.56E-03	6.03E-04	1.43E-03	4.73E-03	4.20E-02	2.32E-02	1.25E-02
Epha2	5.72E-04	3.63E-04	4.15E-04	7.68E-04	2.56E-04	3.74E-04	2.10E-04
Epha3	6.36E-04	4.09E-05	3.77E-04	5.91E-03	1.34E-02	2.94E-04	8.95E-05
Epha4	1.34E-03	1.02E-02	1.20E-02	1.71E-02	2.47E-02	4.14E-02	2.77E-02
Epha5	1.49E-03	1.21E-03	1.49E-03	5.03E-03	3.50E-03	9.04E-03	1.45E-03
Epha6	1.53E-04	1.23E-04	3.84E-04	1.24E-02	2.22E-02	1.15E-02	1.11E-02
Epha7	1.71E-02	4.23E-04	3.88E-04	1.18E-03	7.28E-03	1.74E-03	1.27E-03
Epha8	4.47E-04	1.86E-03	2.49E-03	2.82E-02	4.55E-02	6.90E-03	3.50E-03
Ephb1	3.92E-03	5.37E-03	2.23E-02	1.08E-02	2.44E-03	1.55E-02	3.92E-03
Ephb2	8.78E-03	2.64E-03	8.45E-03	2.77E-02	4.66E-02	2.34E-03	4.19E-04
Ephb3	1.40E-04	3.31E-04	2.96E-04	1.54E-04	3.33E-04	6.14E-03	1.50E-03
Ephb4	2.78E-04	1.27E-03	2.43E-04	3.00E-04	1.88E-04	8.68E-04	9.34E-05
Ephb6	1.10E-04	NaN	1.36E-03	1.21E-02	1.71E-02	1.32E-02	1.18E-02
Erb2	4.30E-05	4.29E-04	4.79E-04	5.80E-04	2.37E-04	5.07E-05	1.17E-04
Erb3	1.63E-03	1.85E-05	3.29E-05	1.17E-04	1.30E-04	2.27E-03	1.64E-03
Erb4	8.69E-04	5.61E-04	8.98E-03	2.89E-02	2.19E-02	7.94E-03	5.41E-03
Ereg	2.70E-05	2.77E-04	8.25E-05	5.52E-05	9.32E-05	2.27E-03	2.28E-04
Erf	1.15E-03	1.37E-02	1.41E-03	2.15E-03	NaN	3.74E-02	1.75E-02
Erg	3.78E-03	1.97E-04	8.69E-04	2.61E-03	5.44E-03	3.11E-03	1.50E-03
Esr1	1.61E-05	2.75E-04	6.80E-05	2.51E-04	4.42E-05	6.81E-05	8.86E-05
Esr2	2.19E-04	2.35E-05	4.99E-05	1.05E-04	7.03E-05	2.57E-04	8.30E-05
Esrra	1.01E-03	1.83E-04	2.36E-04	5.22E-04	1.10E-02	1.78E-02	1.99E-02
Esrrb	3.04E-04	7.39E-03	3.62E-03	9.76E-04	1.99E-03	1.77E-04	9.72E-04
Esrrg	6.45E-03	4.22E-04	1.63E-03	4.65E-03	7.00E-03	1.25E-03	4.77E-04
Esx1	3.00E-03	9.14E-05	2.44E-05	1.72E-03	3.45E-05	1.04E-02	4.79E-04
Ets1	1.46E-02	7.48E-03	4.75E-03	5.78E-03	1.36E-02	1.52E-02	2.36E-03
Ets2	3.93E-04	1.16E-03	2.73E-04	1.43E-03	1.31E-04	6.46E-03	6.24E-03
Etv1	1.04E-04	5.32E-04	2.08E-03	4.63E-03	2.81E-03	6.44E-03	5.36E-03
Etv2	3.88E-04	7.53E-05	3.60E-05	1.02E-04	1.88E-03	4.46E-03	1.64E-03
Etv3	1.31E-03	2.57E-04	1.00E-04	6.26E-04	4.34E-04	NaN	9.51E-04
Etv3l	2.49E-04	9.58E-05	6.14E-05	4.05E-04	2.27E-04	7.96E-05	2.24E-05
Etv4	1.16E-03	3.48E-05	6.85E-05	3.86E-03	1.51E-03	2.15E-03	6.38E-04
Etv5	4.49E-04	1.07E-04	1.29E-03	1.06E-03	2.43E-03	1.23E-02	1.30E-02
Etv6	8.49E-04	1.21E-03	1.07E-03	6.89E-04	3.02E-04	2.10E-02	6.08E-03
Evi5	7.47E-05	5.62E-04	1.66E-04	1.37E-03	2.91E-03	1.10E-03	1.55E-03
Evl	8.03E-02	3.42E-02	3.53E-02	3.50E-02	6.35E-02	6.10E-02	5.11E-02
Evx1	6.79E-04	2.04E-04	2.71E-03	2.71E-02	1.82E-02	4.71E-02	2.07E-02
Evx2	5.93E-05	4.71E-05	6.01E-05	1.60E-04	1.22E-04	NaN	1.81E-04
Eya4	1.35E-03	3.96E-04	3.21E-04	3.19E-04	2.00E-04	1.50E-03	8.33E-04
Faah	2.22E-04	NaN	1.04E-04	6.01E-04	4.03E-03	1.60E-02	1.59E-02
Fas	8.71E-05	7.00E-05	8.04E-05	2.56E-04	1.60E-04	2.93E-05	1.87E-04
Fat3	1.75E-03	9.17E-04	7.93E-03	8.23E-03	1.73E-02	2.07E-02	6.39E-03
Fath	6.03E-03	1.33E-03	2.59E-03	8.25E-04	1.37E-03	5.88E-03	1.33E-03
Fbxw4	8.63E-04	4.34E-05	1.14E-04	1.63E-04	2.71E-03	1.30E-03	2.89E-04
Fbxw7	1.85E-03	2.27E-04	1.69E-03	2.94E-03	1.17E-02	1.60E-02	1.25E-02
Fcna	3.09E-04	1.35E-04	3.45E-05	2.90E-04	1.93E-04	8.76E-05	6.45E-05

Fcnb	2.99E-04	1.37E-04	5.52E-04	3.29E-04	1.93E-04	2.62E-04	1.02E-04
Ferd3l	7.97E-04	1.79E-04	3.24E-04	8.06E-04	2.44E-02	NaN	1.11E-02
Fev	4.40E-05	NaN	NaN	NaN	2.28E-04	1.92E-04	6.51E-05
Fez1	2.63E-02	3.62E-02	3.78E-02	2.97E-02	8.27E-02	6.79E-02	7.63E-02
Fezf2	1.66E-02	3.32E-02	1.61E-03	2.60E-03	9.19E-04	1.50E-03	5.93E-04
Fgf1	1.95E-03	2.06E-02	3.58E-02	2.39E-02	2.59E-02	8.04E-02	2.33E-02
Fgf10	1.17E-04	6.09E-05	4.59E-05	1.32E-03	4.41E-04	3.40E-03	4.91E-04
Fgf12	3.75E-03	8.96E-05	1.30E-04	3.20E-04	1.45E-03	5.44E-02	3.44E-02
Fgf14	2.05E-03	2.05E-04	5.18E-04	1.38E-03	8.46E-03	2.02E-02	3.35E-03
Fgf15	2.52E-02	5.98E-03	1.62E-03	1.38E-03	1.69E-04	6.19E-04	7.35E-05
Fgf16	2.88E-04	1.67E-04	3.32E-05	4.92E-04	4.57E-05	6.65E-04	1.12E-04
Fgf17	1.09E-04	4.69E-05	2.06E-05	1.59E-04	1.53E-04	3.24E-05	5.77E-05
Fgf18	4.39E-04	4.55E-05	5.60E-05	8.22E-03	1.13E-02	8.82E-03	1.53E-04
Fgf2	3.98E-04	7.76E-05	6.19E-05	3.60E-04	3.07E-04	6.22E-06	2.96E-05
Fgf20	4.17E-04	NaN	1.06E-04	1.06E-03	1.75E-02	NaN	2.83E-02
Fgf23	5.72E-05	9.20E-05	4.54E-05	4.21E-04	6.38E-04	5.27E-04	5.43E-04
Fgf3	3.68E-04	4.31E-05	1.52E-04	2.88E-04	1.08E-04	NaN	1.08E-04
Fgf4	4.26E-04	3.82E-06	9.46E-05	6.07E-04	2.53E-04	2.00E-04	9.73E-04
Fgf5	9.34E-04	5.09E-05	5.35E-05	1.64E-03	8.09E-04	2.18E-04	4.79E-06
Fgf6	3.70E-04	1.03E-04	1.19E-04	2.72E-03	1.99E-04	3.10E-05	2.20E-03
Fgf7	2.55E-04	7.36E-05	2.09E-05	2.65E-05	3.44E-05	1.54E-04	1.14E-04
Fgf8	5.48E-03	3.71E-04	7.68E-05	1.82E-04	5.05E-04	5.06E-04	4.34E-04
Fgf9	1.29E-02	NaN	NaN	1.16E-04	5.89E-03	9.24E-03	1.94E-03
Fgfbp1	1.38E-04	1.00E-04	1.03E-04	2.04E-03	2.64E-04	2.25E-04	1.02E-04
Fgfr1	2.14E-03	1.65E-03	8.32E-03	6.88E-03	2.53E-03	1.12E-02	5.35E-03
Fgfr2	1.58E-03	9.23E-03	9.01E-03	2.01E-03	2.22E-03	7.15E-03	1.66E-02
Fgfr3	1.62E-03	2.76E-03	2.65E-03	9.42E-04	2.21E-03	1.68E-02	4.03E-03
Fgfr4	7.83E-05	2.95E-04	2.40E-05	1.66E-04	8.58E-05	6.85E-05	4.56E-05
Fgfrl1	2.36E-04	6.78E-05	1.52E-05	6.87E-04	3.10E-05	1.08E-03	1.49E-04
Fgl1	4.81E-05	1.96E-05	7.75E-05	1.74E-04	1.44E-04	7.36E-05	2.95E-05
Fgl2	1.13E-03	2.88E-05	1.53E-04	1.93E-04	5.36E-05	8.68E-04	1.81E-04
Fibcd1	6.96E-05	1.75E-04	1.89E-04	1.31E-03	3.83E-04	7.06E-04	2.06E-04
Figf	1.45E-03	2.64E-05	1.04E-05	2.86E-05	1.41E-04	1.84E-04	1.64E-05
Figla	1.14E-04	4.30E-05	7.67E-05	2.78E-05	1.19E-04	3.78E-05	2.88E-05
Fkhl18	2.36E-04	2.98E-04	3.27E-04	9.62E-05	5.50E-05	3.44E-04	8.69E-05
Fli1	6.69E-03	6.80E-03	NaN	2.54E-03	NaN	NaN	1.74E-03
Flt1	1.57E-03	3.77E-03	7.76E-03	8.68E-03	1.29E-03	2.44E-02	7.96E-03
Flt3	9.48E-04	2.14E-05	2.41E-04	1.44E-02	1.45E-02	1.16E-02	1.28E-02
Flt4	3.03E-04	5.94E-04	7.20E-04	3.68E-03	4.87E-03	5.46E-03	6.10E-04
Fmo1	4.06E-03	6.22E-04	2.44E-04	3.77E-03	5.28E-04	1.08E-03	1.36E-04
Fmr1	3.28E-03	7.43E-04	4.73E-04	2.17E-03	3.78E-03	6.91E-04	5.28E-05
Fn1	7.78E-02	8.21E-03	1.64E-02	3.19E-02	2.49E-02	2.87E-02	5.82E-03
Fndc3a	8.08E-03	9.77E-04	2.63E-03	1.07E-03	1.08E-02	1.11E-02	6.37E-03
Fos	1.45E-04	8.54E-05	3.14E-05	8.77E-04	5.59E-04	1.23E-02	6.78E-03
Fosl2	7.39E-04	2.42E-04	5.61E-04	8.83E-04	3.70E-04	4.56E-03	8.20E-04
Foxa1	3.28E-04	5.23E-04	1.02E-03	2.53E-04	5.53E-04	1.40E-02	1.63E-04
Foxa2	1.45E-04	1.04E-04	6.30E-05	8.25E-05	1.31E-04	1.46E-05	NaN
Foxa3	1.64E-04	3.19E-05	5.37E-05	1.26E-04	9.60E-05	1.21E-04	2.05E-03
Foxb1	5.90E-03	5.89E-04	2.52E-03	7.15E-05	4.06E-04	3.45E-02	1.09E-02
Foxb2	6.08E-05	5.29E-05	2.36E-05	1.82E-04	1.30E-04	3.93E-05	NaN
Foxc1	2.21E-04	1.95E-04	5.87E-05	1.70E-04	4.38E-05	3.16E-04	1.22E-04
Foxc2	4.55E-03	3.99E-02	2.59E-03	1.24E-02	8.25E-03	5.38E-02	2.05E-02
Foxd1	NaN	9.58E-05	8.03E-05	NaN	NaN	1.46E-04	NaN
Foxd2	NaN	2.55E-02	NaN	NaN	NaN	NaN	NaN
Foxd3	1.03E-03	1.17E-04	9.49E-05	1.06E-04	1.78E-04	2.63E-03	4.31E-04
Foxd4	2.01E-04	4.24E-05	9.79E-05	9.89E-05	6.44E-05	5.64E-05	1.75E-04
Foxf1a	5.27E-04	8.26E-05	2.61E-05	2.18E-04	6.00E-05	2.10E-04	1.49E-04
Foxf2	7.33E-03	5.31E-02	7.38E-02	NaN	6.55E-02	3.16E-02	2.25E-02

Foxg1	6.79E-03	2.38E-02	3.28E-03	5.50E-03	3.03E-03	3.05E-02	4.74E-03
Foxh1	1.29E-04	1.73E-05	1.98E-05	3.52E-05	1.61E-04	1.75E-04	1.33E-04
Foxi1	1.42E-04	1.28E-04	1.68E-04	1.35E-04	1.05E-03	1.59E-03	7.91E-04
Foxj1	3.66E-03	3.92E-03	1.99E-03	4.80E-03	1.39E-03	5.24E-03	4.65E-03
Foxj2	4.29E-04	1.51E-03	5.83E-04	3.34E-03	1.56E-02	5.08E-03	5.08E-03
Foxj3	3.96E-03	1.76E-03	3.21E-03	1.38E-03	1.48E-02	1.22E-02	6.75E-03
Foxk1	5.51E-03	8.16E-04	9.86E-04	3.35E-03	1.85E-03	3.71E-03	5.64E-03
Foxk2	7.78E-04	4.42E-04	4.22E-04	1.47E-03	2.65E-03	8.07E-04	1.73E-03
Foxl1	9.40E-05	6.73E-05	1.25E-04	NaN	1.00E-04	2.51E-05	2.24E-05
Foxm1	3.84E-02	2.07E-02	6.13E-04	1.52E-03	9.51E-04	3.67E-03	2.23E-04
Foxn1	5.66E-04	4.52E-05	6.55E-05	2.58E-03	5.25E-05	2.19E-03	9.68E-04
Foxn2	1.02E-03	6.08E-04	3.42E-05	2.44E-04	2.72E-04	9.57E-03	5.86E-04
Foxn4	1.21E-04	3.82E-05	4.03E-05	3.12E-04	9.14E-05	2.57E-04	1.82E-04
Foxo1	3.44E-04	1.53E-04	3.48E-04	2.56E-04	4.16E-04	1.01E-03	7.34E-05
Foxo3a	1.26E-03	3.24E-04	1.40E-04	2.18E-04	NaN	8.74E-03	6.40E-03
Foxp1	2.84E-03	3.50E-04	4.56E-03	2.03E-02	1.36E-02	5.66E-03	6.41E-03
Foxp2	2.13E-03	2.37E-02	3.21E-02	2.94E-02	3.38E-02	2.83E-02	2.05E-02
Foxp3	4.93E-05	6.43E-05	2.05E-04	9.77E-05	NaN	3.82E-04	3.29E-04
Foxp4	1.33E-02	3.83E-03	6.30E-03	5.87E-03	3.08E-03	4.57E-02	1.51E-02
Foxq1	2.93E-02	3.48E-02	4.05E-03	4.95E-02	2.81E-02	NaN	9.79E-02
Frap1	2.03E-03	1.20E-04	3.50E-05	6.09E-03	1.06E-02	1.64E-02	8.80E-03
Frat1	3.62E-03	1.23E-03	7.71E-05	1.23E-03	4.29E-04	8.01E-04	1.47E-04
Frat2	6.27E-05	2.84E-04	9.88E-05	2.54E-04	1.77E-03	1.40E-04	5.80E-05
Frem2	9.63E-04	3.57E-04	9.99E-05	8.75E-04	1.01E-04	5.44E-04	1.53E-03
Frzb	1.46E-04	3.50E-05	1.11E-04	2.31E-04	3.69E-04	1.55E-04	1.27E-04
Fstl1	2.26E-02	1.45E-02	5.97E-03	1.21E-02	1.30E-02	2.05E-02	9.20E-03
Fxyd6	5.22E-05	3.22E-03	1.60E-02	7.07E-02	7.48E-02	4.39E-02	1.44E-02
Fyn	2.03E-03	1.78E-02	2.53E-02	1.61E-02	6.22E-02	3.79E-02	6.24E-02
Fzd1	2.05E-03	7.98E-03	3.36E-03	1.46E-02	6.85E-03	2.84E-02	1.12E-03
Fzd10	7.82E-02	2.60E-03	2.93E-03	3.45E-03	2.04E-03	1.76E-03	8.03E-05
Fzd2	5.46E-04	9.90E-04	1.17E-03	2.25E-03	4.01E-04	NaN	3.65E-05
Fzd3	7.84E-03	2.19E-02	1.17E-02	4.94E-03	3.39E-03	3.25E-03	3.21E-04
Fzd4	8.93E-05	3.25E-05	1.18E-04	2.72E-04	5.05E-04	1.53E-03	7.93E-04
Fzd5	8.07E-04	1.51E-04	1.22E-03	2.60E-03	3.05E-03	3.37E-03	1.06E-03
Fzd6	3.38E-04	9.68E-05	1.45E-04	1.91E-04	7.73E-05	1.26E-04	1.12E-03
Fzd7	NaN	2.13E-03	1.40E-03	9.80E-03	NaN	1.48E-02	2.92E-03
Fzd8	3.94E-04	3.11E-04	5.93E-04	3.57E-04	2.32E-04	1.57E-04	2.93E-05
Fzd9	2.12E-03	1.13E-04	4.84E-04	4.32E-04	5.69E-03	4.28E-04	1.64E-04
Gabbr1	NaN	1.61E-02	4.35E-02	6.65E-02	7.33E-02	1.23E-01	9.32E-02
Gabbr2	4.56E-04	1.47E-02	7.35E-03	3.21E-02	8.30E-02	8.00E-02	9.61E-02
Gabpa	3.76E-03	1.89E-03	1.65E-03	9.30E-04	3.85E-04	7.90E-05	3.65E-04
Gabpb1	7.29E-03	2.95E-03	5.74E-04	5.05E-03	2.21E-02	1.77E-03	3.25E-03
Gabra1	3.42E-04	2.99E-05	3.39E-04	7.35E-04	1.77E-02	2.15E-02	4.34E-02
Gabra2	2.50E-05	5.09E-05	3.57E-04	6.34E-04	5.48E-04	6.46E-04	1.04E-04
Gabra3	1.47E-04	NaN	3.90E-04	1.58E-03	2.55E-03	1.65E-02	8.66E-03
Gabra4	2.49E-04	7.56E-05	6.59E-05	6.17E-05	9.81E-04	2.11E-02	4.02E-02
Gabra5	1.10E-03	8.99E-05	3.05E-04	7.78E-03	2.05E-02	1.70E-02	3.82E-03
Gabra6	7.67E-04	1.12E-05	1.10E-04	1.87E-04	3.62E-04	1.27E-04	4.86E-05
Gabrb1	1.06E-04	NaN	1.88E-04	1.69E-04	3.29E-04	8.59E-03	6.74E-03
Gabrb2	1.93E-04	2.22E-04	2.59E-04	4.50E-03	9.61E-03	1.75E-02	2.36E-02
Gabrb3	NaN	NaN	1.46E-03	2.38E-03	8.14E-03	2.01E-02	2.90E-03
Gabrd	3.19E-02	7.87E-03	3.86E-03	3.54E-03	5.01E-03	6.14E-04	1.01E-03
Gabre	5.45E-04	1.17E-04	4.66E-05	5.38E-05	2.11E-04	7.64E-04	4.37E-04
Gabrg1	6.47E-04	3.58E-05	8.21E-05	5.73E-04	5.71E-03	2.16E-03	1.11E-03
Gabrg2	2.26E-04	8.48E-04	1.82E-02	9.67E-03	2.21E-02	4.22E-02	2.40E-02
Gabrg3	5.33E-04	1.15E-04	6.77E-05	1.50E-04	3.40E-04	1.03E-02	1.55E-03
Gabrp	2.83E-04	3.79E-04	3.45E-05	1.14E-04	2.25E-04	2.32E-04	5.30E-04
Gabrq	1.18E-04	7.23E-05	6.47E-05	2.35E-03	1.87E-03	2.29E-03	1.12E-03

Gabrr1	3.65E-03	2.31E-05	1.76E-05	3.46E-04	3.19E-04	1.09E-04	4.00E-05
Gabrr2	1.49E-04	8.88E-06	1.03E-04	4.79E-05	2.54E-04	1.53E-04	3.95E-04
Gad1	2.57E-03	9.66E-03	1.26E-02	1.49E-02	2.28E-02	2.61E-02	1.58E-02
Gad2	1.07E-03	1.06E-02	1.36E-02	8.79E-03	1.57E-02	2.18E-02	1.41E-02
Gal	6.79E-05	8.65E-05	1.42E-04	6.79E-04	5.58E-03	6.60E-03	1.29E-03
Galr1	4.19E-03	1.47E-04	9.92E-05	3.78E-04	8.96E-04	1.53E-03	7.83E-04
Galr2	8.49E-05	6.06E-05	2.57E-04	8.57E-05	3.80E-04	3.41E-05	8.28E-05
Gap43	9.66E-03	6.54E-02	6.06E-02	6.09E-02	8.52E-02	1.01E-01	8.42E-02
Gas1	2.77E-02	1.08E-02	5.05E-03	1.44E-02	5.14E-02	1.18E-03	NaN
Gata2	3.69E-03	2.61E-03	3.43E-04	1.15E-03	2.19E-03	4.60E-03	8.09E-04
Gata3	2.92E-03	4.09E-03	6.63E-03	4.06E-04	1.57E-03	1.39E-03	3.69E-04
Gata6	5.27E-04	2.29E-05	7.23E-05	4.92E-04	3.78E-05	1.15E-03	1.09E-04
Gatad1	2.56E-03	6.52E-03	3.62E-03	1.22E-04	1.09E-02	3.59E-03	5.70E-03
Gatad2a	1.55E-02	1.40E-02	3.58E-03	4.00E-03	1.36E-03	2.18E-02	1.54E-02
Gbx1	8.06E-03	1.26E-04	6.60E-05	3.79E-04	2.20E-04	4.75E-03	1.53E-03
Gbx2	2.22E-02	1.31E-01	4.80E-02	3.41E-02	3.83E-02	2.71E-02	3.15E-02
Gcg	7.02E-05	3.99E-05	3.14E-05	6.79E-05	2.04E-04	2.75E-05	6.28E-04
Gch1	1.69E-04	1.29E-04	3.22E-04	6.43E-04	6.07E-04	5.44E-04	4.22E-04
Gcm1	5.00E-04	1.27E-04	4.53E-05	3.80E-04	4.90E-05	2.42E-05	4.10E-04
Gcm2	6.96E-04	2.59E-05	1.17E-04	9.71E-04	6.86E-05	1.31E-04	1.78E-03
Gda	1.21E-04	3.60E-05	3.89E-05	2.53E-04	7.22E-04	3.13E-03	2.70E-03
Gdf1	1.89E-03	7.15E-05	5.29E-05	8.89E-04	6.84E-03	3.38E-03	6.23E-04
Gdf10	1.00E-03	3.56E-04	1.12E-03	9.82E-04	4.87E-04	4.86E-04	2.86E-04
Gdf11	4.47E-04	3.50E-03	3.13E-03	6.12E-03	2.39E-03	2.31E-02	1.74E-02
Gdf15	6.68E-04	4.23E-04	7.53E-05	3.47E-04	1.25E-04	4.24E-04	1.17E-03
Gdf2	1.60E-04	7.97E-05	1.33E-04	2.81E-04	6.31E-05	4.98E-03	1.65E-04
Gdf3	2.43E-04	1.62E-04	3.08E-05	8.73E-04	5.25E-04	1.01E-04	7.98E-05
Gdf5	3.22E-04	6.14E-04	2.42E-04	1.35E-03	6.29E-04	1.01E-04	7.56E-05
Gdf6	1.85E-02	2.16E-02	6.75E-02	1.12E-01	6.40E-02	9.27E-02	6.83E-02
Gdf8	3.66E-04	2.44E-04	2.58E-04	6.45E-05	1.35E-04	1.40E-04	3.09E-05
Gdf9	7.34E-04	2.75E-05	6.50E-05	1.01E-04	4.26E-05	6.22E-05	4.78E-04
Gdnf	8.54E-04	5.71E-04	NaN	3.65E-03	4.16E-03	1.04E-02	2.63E-04
Gfap	NaN	2.87E-04	1.49E-04	4.13E-03	7.94E-03	3.08E-02	6.38E-03
Gfra1	5.69E-04	3.23E-03	1.77E-03	8.11E-03	1.36E-02	1.32E-02	7.86E-03
Gfra2	2.18E-04	1.90E-03	4.07E-03	8.79E-03	2.35E-02	8.24E-03	2.57E-03
Gfra3	5.35E-04	3.69E-05	6.43E-05	4.31E-04	1.02E-04	1.04E-04	6.23E-05
Ghrh	5.75E-05	1.96E-04	1.63E-04	6.02E-04	1.70E-04	3.74E-04	1.02E-03
Ghsr	4.48E-03	2.70E-03	6.42E-05	2.39E-04	3.52E-04	5.59E-04	2.45E-04
Gja1	2.15E-02	5.87E-03	6.03E-03	1.11E-02	1.71E-02	3.84E-02	2.48E-02
Gja9	8.25E-05	1.01E-04	1.93E-04	1.06E-02	1.15E-02	7.18E-03	7.25E-04
Glcc1	4.16E-04	1.99E-04	2.72E-04	6.73E-05	6.09E-04	2.59E-04	5.49E-05
Gli1	5.47E-03	2.83E-04	6.82E-05	5.24E-04	1.31E-04	7.48E-04	1.51E-03
Gli2	NaN	1.88E-04	4.23E-04	2.73E-04	2.64E-04	9.14E-04	6.88E-05
Gli3	2.12E-03	1.30E-03	1.81E-04	1.55E-03	2.29E-04	1.80E-04	1.07E-04
Glis3	2.48E-03	4.89E-04	6.77E-04	6.84E-04	3.26E-04	2.31E-03	7.67E-04
Glp1r	2.74E-04	2.90E-05	1.81E-04	9.15E-04	4.17E-04	1.69E-03	6.19E-04
Glra1	1.15E-03	1.78E-04	2.12E-04	7.81E-04	1.65E-04	6.30E-03	5.39E-03
Glra2	2.94E-04	3.88E-04	6.58E-03	2.58E-03	1.98E-02	3.39E-04	1.98E-03
Glra3	8.73E-05	1.37E-03	2.36E-03	1.11E-03	7.23E-03	1.01E-02	7.02E-03
Glra4	1.74E-04	1.26E-04	5.47E-05	7.17E-04	3.70E-04	3.23E-03	1.79E-03
Glrb	4.03E-05	1.11E-04	5.88E-04	9.04E-04	1.17E-03	7.51E-02	3.14E-02
Gls	7.01E-04	1.49E-04	8.93E-04	6.25E-03	9.31E-03	5.39E-02	5.16E-02
Gls2	6.03E-05	4.00E-05	2.17E-04	2.00E-04	1.65E-04	3.37E-04	1.06E-03
Glul	3.72E-03	1.07E-02	1.19E-02	2.18E-02	2.83E-02	2.11E-02	4.35E-02
Gm197	1.90E-02	NaN	NaN	NaN	1.90E-03	NaN	NaN
Gm528	1.85E-03	9.67E-05	8.10E-05	3.62E-04	5.70E-04	7.21E-03	3.14E-03
Gm967	3.17E-04	1.10E-04	1.39E-04	1.19E-03	9.26E-04	9.24E-03	6.78E-03
Gnb4	5.07E-04	6.25E-04	3.32E-04	7.87E-04	2.33E-02	5.15E-03	1.35E-03

Gnrh1	9.24E-05	5.60E-05	6.97E-05	3.61E-05	9.85E-06	3.41E-05	1.98E-04
Gpc3	4.86E-03	3.61E-03	2.94E-03	7.05E-03	5.51E-03	2.90E-03	9.96E-04
Gpr101	2.32E-03	9.54E-06	1.19E-04	NaN	1.68E-03	3.35E-03	1.03E-03
Gpr123	1.40E-04	5.02E-05	1.36E-04	2.08E-04	9.95E-04	3.53E-02	4.05E-02
Gpr139	5.64E-04	1.45E-04	1.62E-04	2.09E-04	8.35E-04	1.18E-03	2.37E-04
Gpr161	5.23E-03	8.32E-05	1.41E-02	5.03E-03	1.76E-02	1.11E-03	3.32E-04
Gpr165	8.47E-05	2.74E-05	1.11E-04	1.47E-03	1.59E-03	4.99E-03	1.25E-02
Gpr26	4.06E-04	3.84E-04	6.32E-04	6.75E-03	2.24E-02	8.83E-03	3.13E-03
Gpr37	5.75E-05	7.32E-05	1.81E-04	6.22E-04	1.89E-04	1.62E-02	2.29E-02
Gpr37l1	1.43E-03	5.90E-05	4.02E-05	1.90E-04	2.42E-03	2.76E-02	2.28E-02
Gpr55	7.30E-04	6.45E-05	9.86E-05	1.98E-04	2.61E-04	6.70E-05	2.69E-05
Gpr56	7.03E-04	1.38E-03	8.53E-03	3.52E-03	4.31E-03	1.32E-02	8.30E-03
Gpr6	6.19E-04	9.91E-05	4.63E-05	1.61E-04	2.02E-04	2.05E-04	2.65E-04
Gpr83	6.15E-04	7.70E-05	4.83E-05	9.34E-05	1.11E-04	2.17E-03	2.73E-03
Gpr88	7.06E-04	1.48E-04	1.17E-04	1.04E-04	1.95E-03	1.20E-02	9.34E-03
Gpr98	1.66E-03	4.10E-03	5.55E-03	1.28E-03	1.68E-04	2.11E-03	2.04E-04
Gprc5b	9.40E-03	1.26E-03	6.85E-04	3.01E-03	3.76E-02	4.27E-02	2.87E-02
Gprk2l	8.46E-04	1.02E-04	2.36E-04	3.16E-04	1.86E-04	4.33E-04	1.14E-04
Gpx1	7.97E-03	7.05E-04	2.09E-03	2.59E-04	2.40E-04	6.54E-04	3.77E-04
Gpx3	1.91E-03	5.11E-05	2.53E-05	2.36E-03	8.34E-03	8.93E-03	6.90E-03
Grhl1	2.81E-05	3.46E-05	7.12E-04	1.01E-02	6.52E-03	2.17E-02	2.69E-02
Grhl2	4.27E-05	4.55E-04	1.49E-04	2.55E-04	2.57E-05	1.97E-03	1.12E-03
Gria1	1.10E-03	1.00E-02	8.48E-03	2.57E-02	3.88E-02	4.19E-02	2.83E-02
Gria2	6.89E-05	1.60E-02	5.69E-02	9.92E-02	1.05E-01	7.86E-02	5.91E-02
Gria3	1.60E-03	1.55E-03	8.94E-04	1.15E-02	1.58E-03	2.46E-02	4.40E-02
Gria4	2.12E-03	2.24E-03	1.00E-02	5.35E-02	5.10E-02	6.87E-02	5.75E-02
Grid1	6.96E-04	1.87E-04	1.54E-03	2.60E-03	8.20E-03	1.14E-02	1.48E-02
Grid2	4.42E-04	6.64E-05	5.80E-04	1.41E-03	3.90E-03	4.06E-03	1.06E-03
Grik1	2.90E-04	5.05E-04	1.74E-03	2.73E-02	5.96E-02	4.33E-02	2.34E-02
Grik2	1.82E-03	1.42E-02	8.60E-03	4.37E-02	3.35E-02	4.44E-02	3.28E-02
Grik3	2.25E-04	9.20E-03	4.79E-02	2.37E-02	1.55E-02	1.12E-02	4.49E-03
Grik4	1.91E-04	1.31E-05	1.65E-05	6.93E-05	9.02E-05	1.79E-04	7.27E-05
Grik5	1.31E-03	5.20E-03	5.63E-04	6.35E-03	2.46E-02	3.28E-02	2.50E-02
Grin1	1.18E-04	9.72E-04	2.48E-02	3.14E-02	7.01E-02	1.04E-01	1.05E-01
Grin2a	6.91E-04	1.69E-04	3.84E-05	1.32E-03	1.14E-04	2.09E-03	7.37E-04
Grin2b	8.21E-04	1.36E-03	7.38E-03	1.85E-02	9.48E-03	5.50E-02	5.35E-02
Grin2c	7.74E-04	2.92E-04	5.51E-04	1.27E-04	9.30E-04	1.98E-02	1.91E-02
Grin2d	2.12E-04	6.28E-05	4.16E-05	3.88E-03	1.69E-03	2.12E-04	2.29E-05
Grin3a	1.22E-04	8.50E-04	4.70E-03	3.91E-02	7.70E-02	4.07E-02	1.31E-02
Grin3b	2.76E-03	2.00E-04	1.08E-04	1.20E-03	5.84E-04	2.64E-03	2.62E-04
Grinl1a	1.05E-01	NaN	1.28E-02	4.57E-02	2.76E-02	2.59E-02	4.81E-02
Grm1	1.41E-04	2.61E-04	2.96E-03	5.44E-03	1.97E-02	6.75E-02	5.13E-02
Grm2	5.28E-04	1.38E-04	5.59E-05	4.54E-04	7.16E-05	2.11E-03	3.05E-04
Grm3	1.07E-03	2.88E-03	1.08E-02	2.33E-02	2.74E-02	4.04E-03	1.20E-03
Grm4	1.31E-04	1.89E-04	2.42E-04	8.72E-04	3.08E-02	4.57E-02	3.26E-02
Grm5	1.01E-04	4.11E-04	5.71E-03	4.40E-02	1.33E-02	4.69E-02	1.26E-02
Grm6	7.49E-05	3.41E-05	3.92E-05	9.96E-05	8.71E-05	6.06E-05	3.84E-04
Grm8	3.29E-04	3.65E-03	3.43E-03	1.93E-03	2.53E-02	1.74E-02	3.72E-03
Grp	7.42E-04	7.50E-04	7.37E-04	4.58E-04	1.54E-02	3.19E-03	1.08E-03
Gsc	2.57E-04	1.14E-04	5.02E-05	1.58E-04	2.27E-04	5.02E-03	5.14E-04
Gscl	2.64E-05	1.27E-04	1.27E-04	7.90E-05	1.25E-04	3.44E-05	5.36E-04
Gsgl1	3.64E-03	6.70E-05	5.58E-04	4.97E-03	1.46E-02	3.97E-03	6.06E-04
Gsh1	3.03E-03	1.16E-03	1.69E-04	5.34E-04	8.48E-03	6.69E-04	5.95E-04
Gsh2	2.71E-03	5.04E-05	3.26E-05	1.18E-03	9.65E-05	1.93E-05	1.35E-04
Gsk3a	4.68E-03	3.61E-04	NaN	3.40E-03	7.73E-03	1.89E-02	7.80E-03
Gsk3b	4.21E-02	1.55E-02	8.65E-03	2.93E-02	7.34E-02	2.98E-02	3.25E-02
Gtf2e2	2.76E-03	NaN	2.01E-03	9.67E-04	1.40E-03	2.42E-03	4.10E-03
Gtf3c1	9.49E-03	1.06E-03	2.03E-03	2.21E-03	2.60E-03	1.84E-02	1.75E-02

Gusb	5.86E-04	6.82E-05	NaN	1.97E-04	1.97E-04	1.81E-04	6.55E-05
Hand1	9.04E-05	5.52E-05	8.72E-05	4.34E-05	1.08E-04	5.53E-05	4.03E-05
Hap1	1.22E-02	4.89E-02	NaN	5.81E-02	6.53E-02	4.23E-02	3.64E-02
Hbb-b2	9.88E-02	7.23E-02	7.21E-02	5.29E-02	1.52E-02	1.78E-02	1.97E-02
Hbegf	1.51E-04	9.62E-04	2.88E-04	5.38E-05	1.15E-03	2.82E-04	1.07E-04
Hbp1	2.43E-03	5.17E-04	7.76E-04	4.83E-04	1.33E-04	4.33E-03	6.79E-04
Hcn1	7.16E-04	5.37E-04	7.71E-04	4.51E-03	3.39E-03	1.93E-02	9.36E-03
Hcrt	1.35E-03	NaN	3.33E-04	9.50E-04	9.12E-04	1.16E-02	4.02E-03
Hcrtr1	6.33E-05	1.44E-04	8.84E-05	1.28E-03	1.01E-03	6.28E-04	1.84E-04
Hcrtr2	1.12E-04	4.40E-05	5.66E-04	2.49E-04	2.07E-04	2.56E-05	1.00E-04
Hdac2	6.37E-02	4.84E-02	2.25E-02	1.63E-02	4.29E-02	3.89E-02	2.67E-02
Hdac5	3.92E-03	1.19E-03	3.01E-04	1.11E-03	1.45E-02	3.22E-02	3.33E-02
Hdac6	2.40E-02	2.34E-04	2.90E-04	1.43E-02	2.51E-02	2.63E-02	9.74E-03
Hdc	1.49E-04	1.30E-04	7.76E-05	1.99E-04	5.97E-05	4.71E-04	6.93E-05
Helt	1.14E-03	6.91E-05	1.40E-04	6.73E-05	1.18E-04	8.11E-05	7.70E-05
Hes1	5.55E-03	1.59E-02	6.34E-04	4.67E-03	1.66E-03	4.61E-04	8.54E-05
Hes2	2.46E-04	9.12E-05	7.43E-05	7.53E-05	3.80E-05	7.16E-04	1.79E-04
Hes3	4.91E-04	3.83E-05	2.04E-05	4.25E-05	1.37E-04	1.36E-02	1.14E-03
Hes5	3.09E-02	4.64E-02	2.62E-02	1.51E-02	1.85E-02	1.74E-02	3.58E-03
Hes6	4.35E-02	1.69E-02	4.01E-03	NaN	NaN	NaN	NaN
Hes7	1.92E-03	5.06E-04	4.03E-04	8.70E-05	6.02E-03	NaN	NaN
Hesx1	4.36E-05	2.83E-05	6.20E-05	4.33E-05	1.00E-04	6.63E-05	6.06E-05
Hey1	NaN	8.07E-04	1.33E-03	5.56E-04	9.60E-04	3.61E-03	7.25E-04
Hey2	1.53E-03	1.55E-03	2.29E-04	1.47E-03	2.08E-04	3.24E-05	6.60E-05
Heyl	1.55E-03	2.26E-03	8.53E-04	6.44E-04	2.79E-04	1.35E-04	4.12E-05
Hfe	1.32E-04	1.23E-05	6.66E-05	1.09E-04	NaN	2.53E-04	7.22E-05
Hgfac	3.32E-04	8.17E-05	4.42E-05	1.96E-04	1.13E-04	5.16E-05	9.91E-05
Hhex	NaN	3.50E-02	4.53E-02	1.04E-01	9.50E-02	9.20E-02	7.24E-02
Hhip	4.33E-04	3.08E-05	5.04E-05	7.66E-05	1.55E-04	7.97E-03	4.32E-03
Hif1a	3.27E-02	7.94E-03	3.85E-04	6.22E-05	9.98E-03	1.26E-02	1.46E-02
Hif3a	6.65E-04	1.84E-04	1.63E-04	9.73E-04	3.92E-04	5.54E-03	7.54E-04
Hivep1	7.26E-04	1.09E-03	2.86E-03	8.36E-03	1.28E-02	1.13E-02	1.22E-02
Hivep2	4.00E-05	2.28E-04	6.53E-04	3.87E-03	1.19E-02	2.19E-02	2.21E-02
Hivep3	7.29E-04	1.79E-04	NaN	3.72E-03	3.25E-03	1.63E-02	1.41E-02
Hlf	1.63E-04	2.56E-03	1.70E-03	8.26E-04	1.53E-04	4.54E-02	6.03E-02
Hlx1	1.54E-03	6.43E-03	NaN	7.32E-03	1.83E-02	1.06E-02	NaN
Hlxb9	2.16E-04	5.75E-05	3.58E-05	1.45E-04	9.57E-05	2.50E-04	2.71E-05
Hmbox1	3.61E-03	6.23E-03	6.24E-03	1.09E-02	6.91E-03	2.92E-02	3.30E-02
Hmg20a	3.04E-03	7.32E-05	2.47E-03	6.82E-03	8.36E-03	3.52E-02	3.33E-03
Hmg20b	5.81E-02	6.16E-03	1.07E-03	4.36E-04	NaN	1.76E-02	8.37E-03
Hmga1	6.09E-02	3.39E-02	6.75E-03	4.65E-03	2.88E-02	2.21E-02	3.99E-02
Hmga2	8.80E-05	5.79E-05	3.13E-05	2.12E-04	4.29E-05	NaN	1.32E-05
Hmgb1	2.38E-02	2.58E-02	2.60E-03	1.75E-03	8.02E-03	4.92E-03	6.41E-04
Hmgb2l1	1.29E-03	1.18E-03	9.96E-04	7.31E-04	7.65E-03	5.58E-03	1.44E-03
Hmgb3	9.15E-02	3.26E-02	3.39E-02	3.49E-02	3.52E-02	6.26E-02	5.52E-02
Hmgb4	7.08E-04	1.49E-04	1.50E-04	7.12E-05	5.19E-05	5.22E-04	9.51E-05
Hmgn1	1.18E-01	2.28E-02	2.24E-02	4.23E-03	3.07E-02	9.79E-03	1.04E-02
Hmgn2	1.56E-01	3.24E-02	1.71E-02	2.17E-02	2.53E-02	2.86E-02	2.61E-02
Hmgn3	3.70E-04	1.99E-03	7.68E-04	9.06E-03	5.66E-02	3.79E-02	1.55E-02
Hmx1	2.33E-04	3.50E-05	2.56E-05	6.88E-05	8.50E-05	7.03E-05	6.79E-05
Hmx2	NaN	1.28E-04	NaN	7.89E-05	NaN	NaN	NaN
Hmx3	2.40E-04	3.33E-05	5.46E-05	1.77E-04	5.38E-05	NaN	1.25E-04
Hnf4a	7.97E-05	4.19E-05	4.98E-05	1.65E-04	3.12E-03	NaN	2.36E-05
Hnf4g	1.03E-04	6.85E-05	7.20E-05	9.53E-05	1.16E-04	9.19E-05	5.67E-05
Hnrpab	1.02E-01	5.18E-02	3.13E-02	7.18E-03	3.04E-02	7.92E-03	1.01E-02
Hnt	9.06E-03	1.15E-02	4.15E-02	5.39E-02	9.17E-02	9.11E-02	3.91E-02
Hod	6.82E-04	1.33E-04	1.41E-04	1.03E-03	5.79E-04	3.65E-03	1.93E-03
Homer1	2.92E-03	5.23E-04	4.89E-04	3.89E-04	9.60E-04	6.76E-03	2.79E-03

Homez	2.08E-03	3.51E-04	8.07E-02	4.59E-03	1.86E-02	5.98E-02	5.11E-02
Hoxa1	1.93E-04	2.34E-05	3.93E-05	7.81E-04	8.26E-05	1.29E-04	1.47E-04
Hoxa10	5.79E-04	4.88E-05	2.43E-04	2.58E-04	1.33E-04	4.23E-03	2.76E-04
Hoxa11	1.29E-04	3.35E-04	4.16E-03	2.49E-04	5.53E-03	7.33E-03	4.83E-03
Hoxa13	NaN	4.29E-02	5.61E-02	NaN	NaN	1.22E-02	NaN
Hoxa2	4.76E-05	8.06E-05	5.98E-05	2.02E-05	3.84E-04	9.71E-06	2.10E-05
Hoxa3	2.54E-04	8.21E-05	8.78E-05	4.01E-04	1.62E-04	1.62E-04	2.93E-03
Hoxa4	6.45E-04	1.41E-04	3.52E-05	3.37E-04	1.01E-04	1.97E-04	7.72E-04
Hoxa6	1.67E-03	2.07E-04	5.54E-05	2.98E-04	6.38E-05	2.25E-04	1.18E-04
Hoxa7	1.27E-03	1.48E-05	9.70E-05	1.22E-04	NaN	NaN	NaN
Hoxa9	4.88E-05	6.03E-05	2.59E-05	7.02E-05	2.09E-04	1.79E-04	4.08E-04
Hoxb1	7.85E-05	4.50E-05	5.78E-05	7.68E-04	7.43E-05	3.94E-03	1.35E-03
Hoxb13	1.76E-04	1.67E-04	4.96E-04	7.55E-05	2.98E-04	2.18E-04	3.79E-05
Hoxb2	4.83E-04	1.41E-04	4.10E-05	6.32E-05	3.72E-04	NaN	1.36E-04
Hoxb3	1.68E-04	4.28E-05	5.13E-05	9.42E-05	7.66E-04	2.33E-03	1.40E-03
Hoxb4	2.46E-04	1.12E-04	1.10E-04	2.52E-04	8.23E-05	2.74E-05	9.35E-04
Hoxb5	1.24E-04	5.09E-05	7.35E-05	3.00E-04	2.04E-04	9.14E-03	4.78E-03
Hoxb6	7.52E-05	8.88E-05	5.45E-05	4.20E-05	3.73E-05	8.86E-04	8.60E-05
Hoxb7	7.35E-04	NaN	NaN	1.10E-04	1.54E-03	NaN	NaN
Hoxb8	6.43E-05	9.35E-05	6.00E-05	NaN	6.38E-05	2.58E-05	2.85E-05
Hoxb9	1.29E-03	2.28E-04	5.23E-05	4.97E-05	5.20E-04	1.33E-04	1.26E-04
Hoxc10	1.00E-04	1.06E-04	1.07E-04	5.83E-05	1.57E-04	2.72E-03	1.31E-04
Hoxc11	7.01E-05	1.42E-04	1.52E-05	3.25E-05	1.22E-04	2.88E-05	8.04E-05
Hoxc12	3.29E-02	3.65E-02	1.30E-02	1.67E-02	NaN	NaN	NaN
Hoxc13	1.08E-04	8.83E-05	1.70E-04	8.26E-05	4.13E-05	1.36E-04	1.70E-03
Hoxc4	5.11E-05	7.53E-05	6.47E-05	8.33E-05	2.28E-04	2.82E-05	2.86E-05
Hoxc5	9.09E-05	3.55E-05	1.94E-04	1.63E-04	7.40E-04	2.47E-03	6.33E-04
Hoxc6	1.20E-03	1.85E-05	3.37E-04	8.82E-05	5.40E-04	2.22E-05	NaN
Hoxc8	8.51E-03	4.46E-03	2.34E-03	1.54E-02	5.91E-02	5.53E-02	4.50E-02
Hoxc9	2.41E-04	8.91E-05	9.31E-05	9.88E-05	1.32E-04	7.31E-05	6.13E-05
Hoxd1	2.81E-05	2.19E-03	NaN	7.79E-03	NaN	3.77E-02	4.94E-02
Hoxd10	1.54E-04	4.96E-05	2.43E-05	2.05E-04	1.21E-03	1.18E-03	1.23E-04
Hoxd12	NaN	NaN	NaN	1.27E-04	NaN	NaN	NaN
Hoxd13	1.56E-04	5.31E-05	1.21E-04	9.88E-05	8.89E-05	1.05E-04	4.03E-05
Hoxd3	5.06E-02	3.03E-03	3.16E-03	NaN	NaN	NaN	4.38E-02
Hoxd4	6.61E-04	7.07E-05	2.84E-05	1.83E-04	NaN	1.13E-03	3.09E-04
Hoxd8	4.98E-04	1.91E-04	1.04E-04	5.98E-05	1.43E-04	1.45E-04	8.40E-05
Hoxd9	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Hr	3.52E-04	2.01E-05	2.35E-04	3.62E-04	4.66E-04	3.14E-02	2.61E-02
Hrh1	7.25E-05	5.78E-05	6.25E-05	4.25E-05	2.64E-03	3.75E-04	3.29E-04
Hsd11b1	6.07E-04	4.10E-04	5.55E-04	8.18E-04	5.23E-04	4.11E-04	5.37E-04
Hsf1	1.23E-03	6.08E-04	1.47E-03	4.93E-03	2.51E-02	1.74E-02	1.69E-02
Hspb8	1.45E-03	1.78E-04	2.66E-04	1.39E-03	6.16E-04	9.06E-04	3.81E-04
Hspd1	7.55E-02	1.60E-02	1.46E-03	4.72E-03	2.78E-02	3.18E-02	2.15E-02
Htr1a	3.65E-05	5.18E-05	6.42E-05	2.21E-04	1.25E-04	2.13E-03	1.14E-03
Htr1b	1.54E-04	5.12E-05	4.13E-04	4.63E-04	2.36E-02	2.21E-03	9.04E-04
Htr1d	3.02E-03	9.75E-05	6.42E-05	NaN	2.14E-04	1.41E-04	8.22E-05
Htr1f	1.15E-03	2.93E-05	4.80E-05	6.13E-05	2.33E-04	8.50E-04	3.12E-04
Htr2a	1.32E-04	9.70E-05	3.44E-05	2.10E-04	1.62E-03	6.08E-04	2.06E-04
Htr2b	5.41E-05	2.28E-05	1.08E-04	6.75E-05	6.71E-05	6.17E-05	1.17E-04
Htr2c	3.12E-04	2.25E-03	2.82E-04	1.32E-03	1.10E-02	1.21E-02	3.52E-03
Htr3a	1.53E-04	1.15E-04	1.88E-05	3.01E-04	2.58E-04	5.39E-04	2.41E-04
Htr3b	NaN	2.69E-05	1.69E-04	2.38E-04	2.26E-04	6.26E-05	3.27E-05
Htr4	2.14E-04	7.44E-05	1.98E-05	3.57E-04	1.31E-03	4.03E-04	1.09E-03
Htr5a	1.26E-03	9.46E-05	2.52E-05	7.14E-05	1.20E-04	2.67E-04	8.35E-05
Htr5b	4.65E-04	5.01E-03	3.11E-05	4.35E-05	5.06E-04	9.57E-04	1.27E-03
Htr6	2.07E-04	1.89E-05	4.85E-05	5.64E-05	7.88E-05	9.03E-04	7.03E-05
Htr7	1.19E-04	1.78E-05	7.40E-05	8.02E-05	3.32E-04	2.31E-04	1.08E-03

lcam2	1.78E-04	NaN	7.69E-04	1.87E-04	1.04E-04	2.67E-03	4.11E-05
lcam5	8.64E-04	3.12E-05	2.40E-05	1.25E-04	9.15E-04	2.40E-02	5.44E-03
ld1	4.64E-03	2.43E-03	2.05E-03	7.48E-03	1.11E-03	1.02E-02	2.26E-03
ld2	4.41E-02	5.84E-03	6.52E-03	3.95E-03	1.05E-02	1.26E-02	9.95E-03
ld3	5.68E-02	4.56E-02	1.34E-02	3.69E-03	1.52E-02	3.97E-02	1.30E-02
ld4	1.09E-02	7.74E-02	6.67E-02	4.42E-02	6.12E-02	3.74E-02	2.08E-02
lfit3	1.27E-04	3.03E-04	4.54E-05	2.99E-04	2.10E-04	NaN	1.62E-04
lgf1	4.40E-04	5.90E-04	3.63E-04	2.90E-03	2.62E-03	6.70E-03	9.61E-04
lgf1r	1.75E-03	5.06E-03	3.92E-03	2.02E-02	1.13E-02	1.18E-02	7.56E-03
lgf2	3.88E-02	3.47E-02	1.56E-02	2.92E-02	8.11E-03	1.73E-02	6.27E-03
lgfbp1	3.51E-04	3.36E-05	1.07E-05	1.13E-04	2.46E-04	1.65E-03	2.61E-04
lgfbp2	5.96E-02	3.82E-02	1.68E-02	2.24E-02	3.01E-02	3.13E-02	3.07E-02
lgfbp3	4.92E-04	1.86E-03	9.48E-04	4.02E-03	2.00E-03	5.73E-03	1.36E-03
lgfbp4	2.94E-02	6.90E-03	9.06E-03	2.66E-02	1.62E-02	1.05E-02	2.64E-03
lgfbp5	6.57E-04	4.93E-03	4.34E-03	4.22E-02	6.46E-02	6.48E-02	2.61E-02
lgfbp6	3.76E-04	8.60E-05	5.22E-04	9.77E-04	9.48E-04	9.48E-03	1.21E-03
lgfbp7	1.80E-03	4.40E-03	6.22E-03	1.02E-02	6.41E-03	4.92E-02	9.73E-03
lgsf4a	8.89E-04	2.63E-02	6.79E-02	6.89E-02	7.71E-02	6.57E-02	4.04E-02
lgsf4b	1.30E-04	1.24E-02	5.22E-03	3.53E-02	6.51E-02	6.32E-02	6.39E-02
lkzf1	1.50E-04	1.37E-04	6.64E-04	1.84E-04	2.15E-04	1.92E-03	8.79E-04
ll13ra1	1.03E-04	4.30E-05	1.69E-04	4.90E-05	1.87E-04	5.47E-05	3.61E-05
ll16	7.31E-05	2.99E-05	5.55E-05	1.96E-04	9.86E-05	2.25E-03	2.07E-03
ll1r1	4.49E-05	4.09E-05	3.38E-05	6.50E-05	1.18E-04	7.39E-05	5.15E-05
ll6st	1.27E-02	2.87E-03	4.80E-04	9.42E-03	4.02E-03	4.28E-03	4.22E-03
lnha	8.95E-05	3.97E-04	2.33E-03	4.43E-02	3.79E-02	3.86E-02	3.32E-02
lnhba	2.82E-04	1.70E-04	1.99E-04	3.04E-03	4.03E-03	5.65E-03	1.05E-03
lnhbb	1.34E-03	1.44E-03	4.31E-04	2.40E-03	3.57E-03	2.07E-02	2.36E-03
lnhbc	2.73E-05	3.33E-04	8.99E-05	1.92E-04	6.28E-05	1.59E-04	1.45E-05
lnhbe	2.26E-04	1.83E-04	3.50E-05	2.45E-04	1.24E-04	2.87E-04	7.38E-05
lnpp1	2.87E-04	1.36E-04	1.94E-05	1.13E-04	3.06E-03	4.34E-03	3.98E-03
lnpp4b	1.13E-03	1.07E-04	1.16E-03	6.24E-03	8.37E-03	2.74E-02	2.01E-02
lnsl5	1.53E-03	3.96E-05	3.07E-05	5.83E-04	3.90E-04	9.52E-05	1.89E-05
lnsl6	1.54E-05	6.40E-05	2.99E-05	3.71E-04	8.86E-05	1.07E-04	4.69E-04
lnsr	5.96E-04	5.54E-04	3.80E-04	5.22E-03	3.40E-03	3.54E-03	9.22E-04
lnsrr	1.00E-03	2.83E-04	3.99E-05	7.05E-04	7.85E-05	6.80E-04	3.21E-04
lnvs	5.08E-04	2.45E-05	4.87E-05	2.21E-04	5.98E-04	5.06E-04	2.28E-04
lpf1	1.90E-04	4.62E-05	4.65E-04	6.66E-05	2.01E-04	1.67E-03	3.29E-04
lrf1	1.14E-03	1.07E-05	4.75E-05	8.48E-04	9.71E-05	2.03E-03	7.65E-04
lrf2	2.49E-04	5.92E-05	1.17E-04	4.44E-05	5.95E-04	2.80E-02	5.38E-03
lrs4	2.58E-04	1.16E-04	1.00E-04	3.74E-04	1.14E-03	1.42E-03	2.36E-04
lrx1	4.36E-02	2.42E-02	1.33E-02	3.50E-03	2.18E-03	6.03E-04	4.51E-03
lrx2	3.24E-03	2.19E-02	1.55E-02	2.98E-03	8.61E-04	4.47E-03	2.39E-03
lrx3	4.34E-04	8.30E-03	4.19E-03	6.87E-03	3.02E-02	7.99E-03	2.87E-03
lrx4	2.35E-04	7.50E-05	6.25E-05	1.14E-04	5.19E-04	7.22E-03	2.43E-03
lrx5	2.93E-03	6.40E-04	4.63E-04	7.75E-04	NaN	NaN	NaN
lrx6	2.51E-04	NaN	NaN	NaN	NaN	2.78E-02	4.56E-03
lsl1	7.01E-04	1.06E-02	2.04E-02	2.61E-03	4.72E-03	1.22E-03	4.31E-04
lsl2	1.89E-04	1.88E-04	1.13E-04	2.21E-04	3.67E-04	4.45E-04	2.01E-04
lsoc1	6.02E-03	2.83E-04	2.88E-04	1.37E-02	4.61E-03	4.57E-03	9.18E-04
lsx	4.53E-04	3.85E-05	2.87E-05	1.05E-04	6.52E-05	3.03E-05	9.90E-04
ltga3	4.75E-04	7.25E-04	1.96E-03	1.47E-02	1.74E-02	3.16E-02	2.28E-02
ltga4	1.83E-03	2.29E-03	3.48E-04	3.18E-04	3.80E-04	3.94E-03	7.45E-04
ltgam	4.37E-04	4.12E-04	2.08E-04	1.04E-04	1.12E-03	6.42E-03	8.12E-04
ltgav	4.93E-04	1.80E-03	2.22E-03	1.01E-02	3.68E-03	4.30E-03	1.76E-03
ltgb1	1.57E-02	2.55E-04	5.53E-03	3.83E-03	8.14E-03	1.02E-02	1.35E-03
ltgb3	8.41E-04	1.09E-03	7.68E-04	9.52E-04	NaN	2.57E-04	1.38E-04
ltgb8	3.23E-04	4.68E-04	8.06E-04	3.87E-03	3.51E-03	3.09E-03	1.36E-03
ltgbl1	5.72E-05	9.91E-05	4.99E-05	6.61E-05	1.32E-04	9.19E-04	1.18E-04

Itih3	1.35E-03	1.05E-05	4.97E-05	2.68E-04	2.42E-04	5.19E-03	9.63E-03
Itlna	3.46E-04	1.48E-04	6.49E-05	1.53E-04	5.58E-05	1.38E-04	5.03E-05
Itlnb	1.60E-05	1.81E-04	1.08E-04	3.07E-04	5.00E-05	1.51E-04	4.30E-05
Itpr1	6.11E-03	3.21E-04	6.18E-04	3.67E-03	4.16E-03	1.12E-02	1.30E-02
Its1	7.57E-03	4.42E-04	1.67E-02	7.83E-03	5.20E-02	6.95E-02	6.49E-02
Jag1	2.70E-03	1.11E-03	1.08E-03	1.64E-03	4.67E-03	1.24E-03	9.55E-05
Jag2	1.06E-03	8.89E-04	7.31E-04	2.12E-02	2.32E-02	1.54E-02	4.27E-03
Jam3	3.55E-03	1.66E-02	5.06E-04	1.11E-03	6.57E-04	2.86E-02	2.53E-02
Jam4	9.51E-05	5.40E-05	3.07E-04	1.26E-04	1.19E-04	3.02E-05	4.09E-04
Jrk	1.00E-03	7.19E-05	1.80E-04	8.43E-05	7.07E-05	1.74E-02	2.83E-03
Jun	2.71E-02	1.19E-02	2.67E-03	4.04E-02	2.98E-02	3.01E-02	6.53E-02
Jund1	8.95E-03	2.47E-02	1.01E-02	3.86E-02	2.38E-02	NaN	5.21E-02
Jundm2	NaN	6.26E-04	1.26E-03	1.12E-02	3.28E-02	3.43E-02	2.76E-02
Kcna1	3.06E-03	2.22E-04	1.74E-04	4.20E-03	1.03E-02	3.92E-02	2.68E-02
Kcna2	4.05E-05	4.69E-04	2.78E-04	5.11E-05	2.85E-02	2.89E-02	3.96E-02
Kcnab1	1.26E-04	1.81E-05	3.55E-05	2.39E-04	7.60E-04	2.51E-02	1.58E-02
Kcnab3	2.48E-03	5.22E-05	2.50E-05	1.90E-04	2.74E-03	6.72E-03	1.00E-02
Kcnb2	3.76E-04	9.99E-05	6.32E-05	3.71E-04	4.44E-04	5.94E-03	6.15E-04
Kcnc2	1.93E-03	1.48E-04	3.07E-04	1.96E-04	5.52E-03	3.18E-02	4.49E-02
Kcnc3	3.54E-04	8.87E-05	5.27E-05	1.78E-03	3.63E-03	1.41E-02	7.22E-03
Kcnd2	9.26E-05	2.13E-04	7.11E-04	7.49E-04	3.39E-02	1.22E-02	3.33E-03
Kcng4	1.71E-04	1.40E-04	1.42E-03	9.75E-03	2.62E-03	3.63E-03	5.12E-03
Kcnh7	2.17E-04	4.90E-05	1.78E-04	2.54E-04	1.25E-04	1.79E-03	8.85E-04
Kcnip2	1.23E-03	1.15E-04	7.34E-04	1.39E-03	5.94E-04	7.06E-03	3.25E-03
Kcnj12	4.35E-04	9.06E-05	9.24E-06	3.07E-04	5.20E-05	4.28E-03	1.67E-03
Kcnj6	8.42E-04	1.41E-04	1.44E-03	1.82E-02	2.77E-02	7.90E-03	3.98E-03
Kcnk2	1.58E-04	1.43E-03	2.47E-04	3.90E-04	1.23E-03	6.63E-03	8.29E-04
Kcnmb4	7.91E-05	3.76E-04	4.04E-04	1.11E-04	4.05E-03	9.68E-03	8.73E-03
Kcnn2	1.93E-04	9.56E-05	8.30E-05	4.57E-05	4.76E-04	1.74E-03	4.84E-04
Kcnq3	2.02E-04	1.63E-04	2.66E-04	2.39E-03	3.22E-02	2.91E-02	2.66E-02
Kctd12	3.17E-03	2.71E-03	5.04E-03	3.04E-02	2.07E-02	1.07E-02	1.26E-03
Kctd9	2.71E-04	2.64E-05	1.02E-04	2.65E-04	4.91E-04	1.84E-04	1.73E-04
Kdr	3.93E-03	9.74E-03	4.66E-03	1.56E-02	2.92E-03	2.27E-02	1.43E-03
Kif5c	7.94E-04	9.91E-03	5.86E-04	3.44E-02	6.06E-02	4.35E-02	3.43E-02
Kit	1.60E-04	1.71E-03	3.92E-04	9.98E-03	5.36E-03	6.88E-04	8.70E-04
Kitl	2.88E-04	1.87E-02	4.85E-02	9.38E-02	8.04E-02	7.49E-02	4.88E-02
Klf15	1.07E-04	1.36E-03	1.04E-03	9.55E-04	1.84E-03	NaN	5.46E-03
Klf2	3.15E-03	2.61E-03	4.09E-03	2.06E-03	1.45E-03	9.90E-03	4.25E-03
Klf4	1.89E-03	NaN	4.85E-04	1.09E-03	NaN	3.60E-02	4.43E-03
Klf5	NaN	3.88E-03	NaN	8.68E-04	5.53E-04	NaN	NaN
Klf7	5.01E-02	9.50E-03	8.93E-03	3.44E-02	5.77E-02	2.25E-02	5.88E-02
Kremen1	1.83E-04	3.71E-05	1.93E-04	1.53E-03	3.12E-04	1.42E-04	7.75E-05
Kremen2	1.09E-03	2.25E-05	1.16E-04	6.88E-04	5.68E-04	3.40E-05	5.14E-05
L1cam	1.68E-03	6.98E-02	9.01E-02	7.44E-02	6.81E-02	1.05E-01	7.52E-02
LOC269389	1.15E-02	2.48E-03	1.57E-03	4.43E-03	1.27E-02	9.77E-03	2.17E-02
LOC384670	6.39E-05	1.67E-04	3.81E-04	6.30E-03	7.24E-03	8.50E-03	4.35E-03
LOC433022	8.65E-04	1.50E-03	6.50E-04	8.81E-03	3.18E-02	2.38E-02	1.58E-02
LOC433228	NaN	1.07E-04	5.81E-04	6.21E-03	9.43E-03	7.06E-03	3.28E-03
LOC433436	1.52E-05	6.33E-06	3.75E-05	3.58E-04	7.07E-03	2.15E-04	1.53E-04
LOC545810	2.55E-03	1.95E-02	2.26E-02	5.12E-02	3.99E-02	2.33E-02	1.11E-02
LOC546316	2.79E-03	6.14E-05	3.30E-05	5.58E-04	1.09E-03	1.56E-02	5.51E-03
LOC627415	3.07E-05	1.71E-04	6.14E-04	8.37E-05	1.26E-03	4.32E-03	1.59E-03
Lama1	1.61E-02	6.11E-03	3.58E-03	1.75E-03	1.54E-03	5.26E-03	1.19E-03
Lama3	1.97E-04	3.00E-05	2.53E-05	3.04E-04	2.26E-03	4.13E-03	1.43E-03
Lamb1-1	5.85E-03	6.51E-03	1.30E-03	2.36E-03	3.29E-04	9.19E-03	5.50E-03
Lamb3	1.12E-03	1.64E-04	2.05E-04	8.01E-05	1.15E-04	1.21E-02	4.97E-04
Laptm4b	4.97E-03	7.70E-04	5.97E-04	3.08E-03	4.72E-04	4.34E-03	1.03E-02
Large	1.56E-03	8.05E-04	1.88E-03	5.07E-03	2.93E-02	1.13E-02	1.06E-02

Lass4	3.62E-05	9.42E-04	8.64E-03	4.10E-02	7.23E-02	3.18E-02	2.69E-02
Lass5	2.70E-04	7.99E-05	3.08E-04	6.73E-04	1.86E-03	1.74E-02	5.58E-03
Layn	3.67E-04	NaN	9.55E-05	7.24E-04	8.29E-04	1.30E-04	2.70E-05
Lbh	3.06E-04	9.28E-03	4.22E-03	1.27E-03	2.92E-03	5.06E-03	1.58E-02
Lbx1	1.52E-02	5.40E-03	5.06E-03	7.37E-03	3.81E-02	5.79E-02	6.43E-02
Lbx2	3.68E-04	5.51E-05	2.45E-05	1.06E-04	5.37E-05	2.75E-04	2.45E-04
Lbxcor1	2.20E-02	NaN	NaN	5.80E-04	4.28E-03	NaN	2.73E-02
Lcor	3.30E-03	2.40E-03	1.84E-03	8.96E-03	4.76E-03	9.02E-03	6.81E-03
Ldb1	1.46E-02	NaN	3.81E-03	8.81E-04	2.79E-03	1.06E-02	6.50E-03
Ldb2	6.51E-05	4.99E-05	1.65E-04	3.86E-03	1.58E-03	9.07E-03	6.56E-04
Lef1	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Lefty1	4.84E-04	1.57E-05	6.24E-05	2.85E-05	5.63E-05	NaN	5.26E-04
Lefty2	5.77E-05	2.62E-05	2.04E-05	3.45E-04	8.76E-05	3.78E-05	1.74E-05
Lepr	1.51E-03	1.08E-03	3.61E-04	1.13E-03	1.05E-03	1.02E-03	1.20E-03
Letmd1	3.50E-04	5.90E-05	6.29E-05	1.02E-04	1.38E-04	5.43E-04	1.23E-04
Lgals1	7.43E-02	1.97E-03	5.86E-03	5.71E-04	7.44E-04	3.06E-03	3.26E-04
Lgi2	9.68E-04	2.53E-04	8.72E-04	8.38E-03	1.58E-02	8.25E-03	3.22E-03
Lgi3	1.41E-03	2.56E-05	9.94E-05	3.29E-03	1.26E-02	3.81E-02	3.16E-02
Lgmn	1.92E-03	3.08E-03	2.55E-03	2.70E-03	4.18E-03	3.71E-02	1.46E-02
Lhx1	1.82E-06	2.00E-02	1.40E-02	1.33E-03	2.96E-03	8.59E-05	3.03E-04
Lhx2	2.97E-02	6.94E-02	7.11E-03	1.41E-02	5.45E-03	5.82E-03	8.68E-04
Lhx3	4.37E-05	9.24E-05	1.04E-05	2.71E-04	1.32E-04	1.03E-04	5.09E-04
Lhx4	1.12E-04	6.61E-05	6.49E-05	2.01E-03	2.60E-04	NaN	5.27E-05
Lhx5	5.55E-03	2.64E-03	6.95E-03	3.23E-03	7.18E-04	6.56E-05	4.23E-04
Lhx6	2.42E-03	1.55E-04	4.47E-04	2.80E-03	1.85E-03	4.10E-03	2.45E-03
Lhx8	1.50E-04	2.63E-05	5.92E-04	3.18E-04	2.62E-04	1.21E-04	2.17E-04
Lhx9	9.69E-02	6.56E-02	4.91E-02	NaN	1.30E-01	7.85E-02	7.46E-02
Lifr	2.62E-04	1.18E-04	1.64E-04	6.17E-04	1.08E-03	9.08E-03	4.77E-03
Limk1	8.33E-04	5.32E-04	9.15E-03	2.85E-03	2.68E-02	1.08E-02	9.25E-03
Lims1	1.68E-03	1.75E-04	NaN	NaN	NaN	3.73E-04	3.97E-04
Lman1l	1.70E-04	8.84E-05	2.69E-05	4.29E-04	2.18E-04	6.74E-05	3.07E-05
Lmcd1	3.51E-04	7.02E-05	NaN	1.29E-04	1.90E-04	9.54E-04	2.97E-03
Lmo1	4.88E-03	2.64E-03	7.89E-03	3.18E-03	5.42E-03	6.46E-03	3.27E-03
Lmo3	2.81E-03	3.34E-03	1.33E-02	9.55E-03	1.05E-02	4.71E-03	2.44E-03
Lmo4	1.89E-02	2.04E-02	2.20E-02	1.26E-01	1.08E-01	8.55E-02	5.81E-02
Lmtk2	4.21E-05	8.76E-05	1.18E-03	1.85E-02	2.68E-02	9.57E-03	3.48E-03
Lmtk3	3.89E-02	6.17E-02	1.04E-01	7.78E-02	8.08E-02	7.29E-02	9.08E-02
Lmx1a	5.21E-03	1.50E-03	2.95E-03	8.11E-04	4.78E-04	1.62E-03	2.98E-04
Lmx1b	1.37E-03	1.52E-03	1.27E-04	1.08E-03	1.30E-03	4.47E-04	1.52E-03
Loxl1	2.85E-04	8.06E-04	1.03E-04	5.71E-03	2.59E-02	2.36E-02	8.04E-02
Loxl2	8.33E-03	1.18E-03	4.94E-05	4.23E-03	2.01E-04	1.07E-03	1.41E-04
Lpl	7.49E-04	2.22E-04	4.83E-04	6.28E-03	1.70E-03	1.57E-02	2.33E-03
Lrmp	1.62E-03	1.16E-04	2.06E-04	3.55E-05	6.62E-05	4.01E-04	6.86E-05
Lrp1	3.91E-03	7.68E-03	5.24E-03	8.37E-03	3.56E-02	2.04E-02	1.85E-02
Lrp5	9.52E-05	2.02E-04	6.43E-06	9.67E-05	1.44E-04	6.26E-05	6.83E-05
Lrp6	9.45E-04	2.29E-02	7.19E-04	2.33E-04	9.68E-04	1.10E-02	2.33E-03
Lrp8	NaN	8.23E-03	2.12E-02	2.10E-02	4.89E-02	3.26E-02	1.34E-02
Lrrc4	6.38E-05	7.69E-04	4.55E-05	5.74E-04	3.41E-03	8.28E-03	6.13E-03
Lrrk2	7.50E-03	1.23E-04	6.03E-05	7.79E-04	3.61E-04	1.23E-03	9.52E-04
Lrrn3	7.35E-04	2.68E-04	4.21E-03	8.07E-03	1.21E-02	1.58E-02	9.36E-03
Lrrtm1	2.18E-04	7.85E-05	8.17E-05	4.59E-04	2.04E-02	3.78E-02	2.85E-02
Lsr	1.05E-04	1.43E-04	1.08E-03	1.59E-03	1.32E-03	7.81E-03	2.23E-04
Ltk	1.01E-03	2.13E-04	9.25E-05	4.81E-04	3.30E-04	1.60E-04	4.43E-04
Lxn	3.36E-04	2.31E-03	2.24E-03	1.46E-02	2.44E-02	7.31E-03	1.66E-03
Ly6h	4.17E-04	5.47E-03	9.12E-03	4.83E-03	6.11E-02	3.13E-02	1.73E-02
Lyl1	5.42E-04	4.91E-04	2.23E-04	2.62E-04	5.13E-03	1.67E-03	1.19E-03
Lypd1	1.52E-04	3.23E-04	1.80E-03	2.72E-03	2.85E-02	1.56E-02	1.04E-02
Lyzs	2.68E-04	1.41E-03	1.17E-03	5.93E-04	6.48E-04	4.35E-03	2.64E-03

Mael	1.36E-04	1.70E-04	3.40E-05	5.38E-05	3.19E-05	2.00E-04	9.47E-05
Mafb	3.80E-03	1.37E-03	4.13E-04	2.66E-03	5.45E-04	NaN	NaN
Mafg	1.69E-04	1.00E-03	NaN	9.43E-04	5.57E-03	9.15E-03	1.57E-02
Mafk	6.33E-04	1.70E-04	4.97E-04	1.15E-04	2.55E-03	2.03E-03	1.10E-03
Maged1	3.89E-02	2.46E-02	2.59E-02	4.39E-02	1.01E-01	8.61E-02	8.66E-02
Maml1	7.28E-03	4.48E-03	NaN	7.98E-03	1.69E-03	8.01E-03	1.52E-03
Maoa	1.89E-04	1.21E-04	9.78E-05	2.51E-04	4.85E-04	4.62E-03	1.72E-03
Maob	1.30E-04	1.25E-05	1.49E-04	1.10E-04	4.56E-05	1.52E-03	5.55E-03
Map3k7	3.78E-03	NaN	3.70E-04	9.54E-04	6.43E-03	9.27E-03	9.76E-03
Mapk10	2.30E-03	2.14E-04	1.42E-04	8.63E-04	3.49E-02	3.99E-02	3.08E-02
Mapk8	1.79E-03	3.42E-04	2.64E-04	1.10E-04	1.33E-03	1.80E-02	4.83E-03
Mapk8ip3	3.92E-04	2.60E-03	1.98E-03	5.00E-03	3.43E-02	5.11E-02	4.65E-02
Mapk9	1.01E-03	2.76E-04	2.31E-04	5.88E-05	3.53E-03	2.43E-02	1.25E-02
Mapt	7.44E-03	3.40E-02	5.01E-02	4.01E-02	9.20E-02	8.65E-02	7.58E-02
Marcks1	7.36E-02	4.00E-02	4.06E-02	5.02E-02	6.85E-02	9.24E-02	5.63E-02
Max	1.14E-03	1.01E-03	5.16E-03	NaN	5.22E-03	8.30E-03	8.13E-03
Maz	1.58E-02	1.55E-02	1.40E-02	1.19E-02	1.53E-02	2.16E-02	1.47E-02
Mbp	2.06E-05	NaN	4.38E-05	5.84E-04	4.09E-03	4.59E-02	5.32E-02
Mc3r	2.71E-05	1.49E-04	1.57E-04	2.58E-04	2.78E-04	1.45E-04	1.82E-04
Mc4r	1.67E-03	5.71E-05	1.87E-05	6.78E-04	3.29E-04	1.91E-04	2.82E-04
Mchr1	5.25E-04	2.14E-04	1.84E-05	2.32E-04	1.55E-04	3.05E-04	3.48E-04
Mdga1	2.73E-03	5.76E-03	7.60E-03	2.62E-02	2.58E-02	6.25E-03	1.26E-03
Mdh2	1.82E-02	4.79E-03	NaN	3.30E-03	3.78E-02	6.76E-02	4.70E-02
Med12	7.65E-04	8.55E-04	2.81E-04	1.08E-02	1.52E-02	1.57E-02	9.34E-03
Med6	1.19E-03	7.37E-04	7.20E-04	1.26E-03	2.43E-03	1.72E-02	1.02E-02
Mef2a	1.50E-03	1.71E-04	5.80E-04	2.01E-03	9.39E-03	1.13E-02	1.48E-02
Mef2b	1.58E-05	1.37E-04	2.44E-05	1.40E-04	NaN	NaN	1.92E-03
Mef2c	6.92E-04	5.51E-04	2.46E-04	4.05E-03	4.54E-03	1.57E-02	2.71E-02
Mef2d	2.15E-03	8.11E-04	6.43E-05	2.97E-03	1.63E-02	2.64E-02	2.29E-02
Meis1	1.64E-03	9.20E-04	2.72E-04	2.14E-04	1.56E-04	2.61E-03	3.84E-04
Meox1	3.14E-05	4.18E-04	6.08E-05	1.84E-04	6.28E-04	2.70E-03	1.05E-04
Meox2	3.60E-04	3.59E-04	6.25E-05	4.83E-05	4.03E-04	9.57E-05	NaN
Mertk	5.91E-05	1.04E-03	2.93E-05	1.50E-04	9.83E-05	1.04E-03	1.18E-04
Mesp1	5.25E-04	5.89E-04	3.23E-05	1.54E-04	NaN	5.75E-05	NaN
Mesp2	7.12E-04	8.27E-05	9.09E-05	2.74E-04	7.89E-05	1.10E-03	5.64E-04
Mest	8.46E-02	3.04E-02	5.05E-02	6.08E-02	5.68E-02	4.77E-02	2.08E-02
Met	2.42E-04	2.20E-04	2.47E-05	1.81E-04	6.74E-04	2.98E-04	4.22E-04
Mfap4	2.39E-03	4.54E-03	1.57E-03	2.43E-03	9.80E-04	2.79E-03	2.28E-04
Mfge8	1.01E-03	4.74E-04	2.18E-03	1.66E-02	7.84E-03	8.73E-03	8.06E-04
Mga	7.89E-03	9.65E-03	6.54E-03	1.32E-03	1.09E-02	1.31E-02	1.08E-02
Mgat5b	3.59E-03	1.66E-03	4.91E-03	2.58E-02	4.59E-02	2.63E-02	2.51E-02
Mgst3	7.74E-04	1.88E-05	2.30E-04	2.82E-03	1.17E-02	6.79E-02	2.04E-02
Mib1	7.61E-03	4.99E-03	1.24E-03	2.21E-03	1.40E-04	1.15E-02	7.78E-03
Mib2	7.08E-04	7.08E-04	1.08E-03	3.54E-03	2.53E-02	2.76E-02	2.37E-02
Mitf	3.32E-04	6.18E-05	3.89E-05	7.32E-05	2.76E-04	9.71E-05	8.63E-05
Mixl1	2.35E-04	1.55E-05	1.04E-04	1.16E-04	7.52E-05	3.72E-04	1.79E-04
Mkx	2.21E-04	3.89E-04	1.36E-04	8.51E-05	1.01E-03	1.14E-03	7.67E-04
Mll2	2.51E-03	1.80E-02	1.38E-02	1.48E-02	2.29E-02	8.40E-03	2.20E-02
Mll3	2.96E-04	2.44E-04	2.31E-04	8.98E-04	4.01E-03	3.22E-04	8.85E-04
Mllt7	5.21E-05	4.77E-05	6.21E-05	2.14E-04	3.05E-05	5.04E-04	1.88E-04
Mlstd1	4.38E-05	1.07E-03	1.43E-03	3.43E-03	3.60E-02	5.79E-02	2.51E-02
Mlx	1.50E-04	7.03E-05	2.05E-03	8.79E-04	2.62E-02	1.97E-02	9.33E-03
Mlxip	3.99E-04	8.75E-04	1.80E-04	1.18E-04	1.78E-03	1.01E-02	1.23E-03
Mlxipl	4.66E-04	2.71E-04	2.96E-04	2.25E-04	NaN	1.02E-02	NaN
Mmp9	7.53E-04	3.23E-03	7.38E-03	3.53E-03	2.26E-04	2.26E-04	5.51E-05
Mnt	1.04E-03	6.43E-03	1.73E-03	2.91E-03	4.73E-03	4.61E-02	2.56E-02
Mobp	3.07E-04	5.62E-05	1.64E-05	1.64E-03	3.26E-03	2.23E-02	3.75E-02
Mog	6.94E-05	8.95E-05	1.41E-04	6.49E-05	5.94E-04	2.56E-02	5.54E-02

Mpeg1	3.81E-04	2.73E-04	1.44E-04	5.05E-04	7.12E-04	5.32E-04	7.51E-04
Mpped1	1.01E-03	4.00E-04	6.98E-04	6.41E-03	4.85E-03	4.02E-03	1.30E-03
Mrg1	1.62E-05	1.36E-02	1.53E-02	6.39E-03	1.32E-02	5.61E-03	1.84E-02
Mrg2	3.35E-03	1.41E-03	1.79E-03	1.06E-03	2.92E-02	9.92E-03	8.17E-03
Msc	9.40E-05	3.10E-04	2.18E-04	5.55E-05	8.16E-05	4.91E-04	2.23E-04
Msgn1	2.31E-04	4.26E-05	2.20E-05	1.12E-04	7.21E-05	1.84E-04	1.36E-04
Mst1	1.29E-04	2.10E-04	5.09E-05	4.76E-04	4.63E-05	1.31E-03	2.67E-05
Mst1r	1.01E-03	3.66E-04	1.26E-04	9.10E-04	1.39E-04	7.36E-05	1.17E-04
Msx1	5.02E-03	3.64E-03	1.37E-03	6.72E-03	1.98E-04	2.70E-03	7.33E-04
Msx2	6.99E-03	1.87E-04	1.10E-04	2.37E-04	1.30E-04	NaN	1.17E-04
Msx3	4.83E-04	1.39E-04	4.65E-05	2.92E-04	1.25E-03	2.54E-03	1.68E-04
Mta1	1.94E-02	2.03E-02	1.06E-02	2.43E-02	1.85E-02	4.33E-02	4.28E-02
Mta2	6.21E-03	4.95E-03	2.98E-03	4.24E-03	2.22E-03	2.56E-02	1.70E-02
Mta3	4.33E-04	8.22E-05	6.40E-05	8.05E-05	3.38E-04	5.30E-03	5.77E-03
Mtap2	4.02E-02	2.60E-02	4.49E-02	2.38E-02	2.88E-02	1.90E-02	4.27E-02
Mtf1	8.27E-04	1.33E-04	3.85E-04	NaN	NaN	2.54E-03	1.13E-02
Mtf2	8.12E-03	9.87E-03	3.29E-04	1.16E-02	2.09E-02	2.63E-02	2.03E-02
Mucdhl	8.33E-05	1.96E-04	9.08E-05	6.94E-05	4.41E-05	2.91E-03	2.92E-04
Musk	5.47E-05	8.70E-05	2.32E-05	1.45E-04	NaN	2.80E-03	1.09E-03
Mxd1	4.78E-04	2.02E-03	1.09E-03	1.47E-04	1.09E-03	1.21E-03	1.66E-02
Mxd3	1.00E-02	9.44E-03	5.77E-04	2.67E-03	6.79E-04	NaN	3.16E-04
Mxd4	2.34E-04	2.06E-04	NaN	NaN	1.25E-04	3.57E-03	3.25E-03
Mxi1	1.12E-03	3.65E-03	1.01E-03	8.17E-04	1.41E-03	1.04E-02	1.24E-02
Myb	3.53E-03	3.25E-03	4.20E-04	1.43E-03	2.74E-02	1.01E-02	1.43E-03
Myc	1.17E-03	1.01E-03	2.36E-03	3.95E-03	8.25E-03	1.07E-02	9.70E-04
Mycl1	1.59E-02	8.45E-03	4.90E-03	2.58E-03	3.36E-03	1.31E-02	4.03E-03
Mycn	2.08E-03	3.57E-05	6.10E-05	8.21E-05	7.41E-04	1.17E-03	1.83E-04
Mycs	7.58E-04	2.94E-05	1.06E-04	3.56E-05	3.45E-04	3.47E-04	1.29E-04
Myf5	1.65E-05	9.42E-05	3.20E-05	1.96E-04	9.00E-05	8.62E-04	7.79E-05
Myf6	1.41E-04	9.44E-06	2.01E-05	2.81E-04	1.14E-04	NaN	3.13E-04
Myh10	1.70E-02	1.06E-02	3.86E-03	6.98E-03	1.70E-02	2.43E-02	2.13E-02
Myh9	3.47E-02	1.62E-02	1.03E-02	3.92E-03	1.66E-02	4.70E-02	8.64E-03
Mylk	8.58E-04	3.99E-04	5.28E-04	2.18E-02	3.46E-03	5.66E-03	1.70E-03
Myoc	7.22E-05	6.12E-05	2.00E-04	1.08E-04	4.98E-04	3.40E-03	1.81E-03
Myod1	NaN	1.52E-04	NaN	NaN	2.10E-04	NaN	NaN
Myog	4.02E-05	3.68E-04	NaN	NaN	5.01E-04	NaN	7.02E-04
Myst2	2.58E-03	2.41E-03	1.72E-03	5.91E-03	2.18E-03	2.18E-02	2.24E-02
Myt1	5.33E-03	2.03E-02	1.97E-02	1.43E-02	1.69E-02	6.68E-02	5.07E-02
Myt1l	7.00E-05	4.45E-03	1.90E-02	3.40E-02	3.40E-02	5.78E-02	5.51E-02
Nanog	4.71E-05	1.68E-04	6.58E-05	4.51E-05	4.39E-05	4.09E-04	2.28E-04
Ncam1	1.22E-03	2.03E-03	7.50E-03	3.81E-02	5.74E-02	2.59E-02	1.06E-02
Ncam2	5.82E-04	6.99E-05	1.99E-04	5.46E-04	NaN	NaN	6.59E-05
Nck2	8.44E-04	1.45E-03	8.98E-04	1.27E-03	7.65E-03	2.38E-03	2.82E-03
Nckap1	3.65E-02	8.12E-03	5.15E-03	1.93E-03	3.98E-02	8.49E-02	7.36E-02
Ncoa1	6.09E-04	9.26E-04	1.50E-03	5.16E-04	1.20E-02	9.86E-03	6.19E-03
Ncoa2	3.78E-03	4.48E-04	2.23E-04	8.75E-03	7.00E-03	2.96E-02	1.34E-02
Ncoa3	3.94E-03	2.72E-04	3.69E-04	5.64E-03	1.27E-02	2.19E-02	1.94E-02
Ncoa6	4.40E-04	2.12E-04	4.50E-04	1.63E-04	4.37E-04	1.38E-02	2.50E-03
Ncor1	1.47E-02	1.10E-02	7.39E-03	1.95E-03	2.27E-02	2.29E-02	3.15E-02
Ncor2	2.26E-03	5.19E-03	9.08E-03	4.03E-03	3.50E-03	2.98E-02	2.90E-02
Ncstn	1.21E-04	3.29E-04	3.28E-04	2.66E-03	7.58E-03	2.24E-02	3.69E-03
Nde1	1.76E-02	2.19E-02	3.94E-03	6.51E-04	3.28E-03	4.33E-03	5.08E-03
Ndel1	4.11E-04	9.29E-03	1.11E-02	1.20E-02	5.91E-02	4.33E-02	5.03E-02
Ndst4	2.02E-04	1.69E-04	2.38E-04	2.72E-03	4.02E-03	7.29E-04	2.38E-04
Nefh	8.72E-04	3.50E-05	1.38E-04	2.95E-03	9.05E-03	5.77E-02	5.42E-02
Nek7	2.97E-04	5.78E-05	1.11E-03	3.22E-03	5.34E-03	1.04E-02	5.63E-03
Neo1	3.19E-04	6.53E-03	1.96E-02	7.36E-03	1.23E-02	3.32E-02	1.35E-02
Nes	7.90E-03	3.47E-02	3.69E-03	2.78E-03	8.45E-04	9.52E-03	NaN

Neurod1	3.07E-03	7.60E-03	5.67E-03	3.49E-03	2.24E-03	5.22E-03	1.92E-03
Neurod2	NaN	1.52E-02	3.87E-03	NaN	NaN	2.55E-02	1.55E-02
Neurod4	1.44E-03	5.07E-05	5.18E-05	1.61E-03	1.82E-03	4.24E-05	6.32E-05
Neurod6	1.17E-04	1.09E-02	1.03E-02	4.33E-03	5.68E-03	1.07E-02	2.99E-03
Neurog1	2.38E-03	6.01E-03	4.05E-05	2.43E-04	1.31E-03	3.20E-04	1.08E-04
Neurog2	6.34E-02	3.23E-02	1.76E-02	2.56E-03	1.42E-02	4.06E-03	6.19E-04
Neurog3	1.06E-03	8.11E-05	5.42E-05	1.21E-04	1.55E-03	7.22E-04	1.44E-04
Nf1	3.78E-04	4.29E-03	3.04E-03	2.01E-03	2.94E-03	1.25E-02	4.96E-03
Nfasc	2.24E-04	1.11E-02	2.14E-03	2.34E-02	1.96E-02	8.27E-02	7.18E-02
Nfat5	3.16E-04	3.35E-04	3.03E-03	3.93E-03	4.43E-03	1.07E-02	1.26E-02
Nfatc1	NaN	1.24E-04	5.80E-05	2.65E-03	5.30E-04	NaN	1.28E-04
Nfatc2	3.36E-04	7.48E-05	5.05E-04	NaN	2.80E-03	5.70E-03	2.48E-03
Nfatc3	5.99E-04	1.02E-04	1.98E-05	3.57E-04	9.61E-04	2.43E-04	4.41E-05
Nfatc4	2.14E-03	2.11E-03	6.67E-04	2.03E-04	NaN	3.20E-03	3.85E-04
Nfe2	3.90E-04	1.83E-04	9.49E-05	1.31E-04	8.06E-05	4.53E-03	7.94E-04
Nfe2l1	3.36E-03	3.18E-04	1.20E-02	2.34E-02	3.24E-02	8.44E-02	7.41E-02
Nfe2l2	1.15E-03	4.07E-03	3.60E-04	4.02E-04	5.54E-04	8.85E-03	3.60E-03
Nfe2l3	2.95E-05	1.18E-04	2.33E-04	6.73E-04	3.98E-03	1.30E-02	6.75E-03
Nfia	5.22E-03	2.40E-02	1.55E-02	1.00E-02	1.15E-02	3.32E-02	1.63E-02
Nfib	4.52E-03	4.22E-02	2.34E-02	1.23E-02	4.13E-03	6.83E-03	6.31E-03
Nfic	7.73E-05	1.04E-04	1.53E-04	8.29E-05	5.45E-05	8.30E-03	2.39E-03
Nfil3	1.37E-04	1.22E-03	1.03E-04	2.15E-04	1.12E-03	1.19E-02	1.61E-02
Nfix	1.13E-02	7.38E-02	1.45E-02	1.46E-02	1.23E-02	1.67E-02	1.10E-02
Nfkb1	5.50E-04	1.93E-03	5.39E-04	1.20E-03	1.57E-03	1.70E-02	8.11E-03
Nfkb1a	7.52E-04	1.21E-03	4.73E-04	1.03E-02	1.33E-02	1.07E-03	7.53E-04
Nfkb1e	1.31E-04	3.76E-05	1.28E-05	5.97E-05	1.04E-04	4.99E-04	4.50E-04
Nfxl1	6.05E-03	2.33E-04	6.16E-04	9.14E-04	7.06E-04	2.88E-03	3.28E-04
Nfya	1.30E-03	4.39E-03	3.49E-03	5.74E-03	2.45E-03	2.73E-03	3.73E-04
Nfyb	3.44E-03	4.25E-03	9.50E-04	1.01E-04	1.82E-03	NaN	1.77E-02
Nfyc	8.29E-03	5.84E-04	8.45E-05	1.53E-04	7.83E-03	1.42E-02	1.91E-02
Ngef	7.12E-05	4.17E-05	3.62E-05	6.49E-03	1.15E-02	5.68E-03	2.40E-03
Ngfb	1.10E-04	5.71E-05	6.12E-05	6.71E-04	6.09E-05	1.60E-03	8.16E-04
Ngfr	2.01E-03	1.37E-03	2.18E-03	9.56E-04	6.31E-04	5.64E-04	2.48E-04
Nhlh1	8.50E-04	1.17E-02	1.41E-03	1.38E-04	3.98E-03	4.67E-04	8.52E-05
Nhlh2	1.37E-02	4.25E-02	2.41E-02	1.70E-02	1.49E-02	6.51E-03	2.58E-03
Nkd1	1.26E-02	6.88E-03	1.46E-02	8.02E-03	1.20E-03	7.00E-03	1.13E-03
Nkd2	1.53E-03	1.30E-03	1.37E-03	2.34E-03	2.89E-03	9.18E-04	1.66E-03
Nkx1-1	NaN	3.19E-04	1.15E-04	NaN	1.36E-04	1.07E-04	NaN
Nkx1-2	6.23E-04	4.21E-04	NaN	7.43E-03	4.77E-02	6.68E-02	3.64E-02
Nkx2-2	2.06E-03	7.55E-03	2.07E-03	1.23E-02	3.47E-02	1.10E-02	2.53E-03
Nkx2-3	NaN	NaN	NaN	7.06E-03	4.03E-02	1.64E-02	9.66E-03
Nkx2-4	8.15E-05	7.51E-05	6.27E-05	6.08E-05	1.19E-04	4.52E-05	2.68E-04
Nkx2-6	3.24E-05	3.81E-05	3.54E-05	2.88E-05	2.06E-04	2.07E-05	2.55E-05
Nkx2-9	1.77E-03	5.70E-04	NaN	8.59E-05	6.62E-05	1.53E-04	1.21E-04
Nkx3-1	2.16E-04	1.85E-04	7.39E-05	4.43E-05	6.19E-05	6.60E-04	3.37E-04
Nkx6-1	NaN	NaN	NaN	NaN	NaN	1.03E-03	1.11E-04
Nkx6-2	7.18E-05	8.31E-05	6.88E-04	3.76E-04	6.76E-05	3.94E-03	6.32E-03
Nkx6-3	1.21E-03	1.37E-04	1.20E-04	3.33E-04	2.32E-04	NaN	3.33E-02
Nle1	7.99E-04	9.94E-05	1.35E-04	2.09E-04	5.93E-03	2.47E-03	1.07E-03
Nlk	3.36E-04	1.50E-04	5.86E-05	5.90E-03	9.79E-03	8.57E-03	1.91E-03
Nmb	4.70E-05	2.16E-04	9.51E-04	3.89E-04	1.88E-04	1.70E-04	1.18E-04
Nmbr	1.10E-04	3.47E-05	5.32E-05	3.52E-04	1.27E-03	4.94E-03	5.60E-04
Nmral1	1.17E-02	3.57E-03	1.10E-03	1.16E-04	2.86E-04	2.91E-04	7.86E-03
Nnat	1.02E-01	4.37E-02	3.61E-02	3.48E-02	7.52E-02	4.53E-02	1.75E-02
Nobox	3.12E-04	9.63E-05	1.47E-04	8.36E-05	3.97E-05	NaN	6.50E-05
Nodal	1.37E-04	1.70E-04	6.35E-05	2.57E-03	1.58E-04	2.22E-04	6.49E-05
Nog	1.73E-03	6.95E-05	2.69E-05	2.51E-04	1.78E-03	3.55E-02	2.71E-03
Nos1	2.50E-03	2.00E-04	1.92E-03	7.91E-03	8.12E-03	3.52E-03	2.27E-03

Nos1ap	1.57E-03	9.14E-04	7.58E-04	4.10E-04	6.00E-03	4.36E-02	3.00E-02
Nos3	1.03E-03	4.34E-03	3.08E-03	1.23E-03	3.56E-03	5.42E-03	8.67E-04
Notch1	3.25E-03	1.34E-03	1.41E-02	2.47E-03	8.03E-03	1.50E-03	4.29E-04
Notch2	4.48E-03	2.66E-03	2.33E-03	9.41E-03	4.51E-03	2.10E-02	1.53E-03
Notch3	9.09E-03	6.59E-04	6.78E-03	8.95E-03	1.19E-02	5.81E-03	2.65E-03
Notch4	6.63E-04	3.73E-04	5.78E-04	3.74E-04	1.80E-04	1.62E-03	3.17E-04
Nov	8.50E-04	3.36E-04	1.11E-02	6.99E-03	1.64E-02	6.15E-03	7.51E-04
Npas1	3.02E-04	2.94E-05	1.35E-04	9.81E-04	1.11E-03	1.38E-03	2.15E-03
Npas2	1.09E-04	1.76E-04	1.14E-04	7.97E-05	9.54E-05	4.29E-03	4.44E-03
Npas3	1.49E-03	6.82E-04	3.28E-03	5.94E-03	2.73E-03	2.07E-03	1.66E-04
Npas4	1.35E-04	7.81E-05	5.72E-05	3.03E-03	9.25E-04	3.56E-02	1.15E-02
Npff	9.09E-05	5.57E-05	2.18E-05	1.02E-04	1.45E-04	2.10E-04	9.36E-05
Npffr2	5.50E-05	4.57E-04	NaN	2.01E-04	1.99E-04	1.98E-04	9.35E-05
Npsr1	2.10E-04	1.12E-04	9.63E-05	3.59E-04	1.63E-03	3.17E-03	1.71E-03
Npy	4.91E-04	9.44E-04	1.33E-03	7.27E-03	8.71E-03	3.88E-03	2.49E-03
Npy1r	2.57E-04	2.10E-04	4.67E-05	5.85E-04	3.40E-04	5.86E-03	2.37E-03
Npy2r	6.59E-05	4.73E-05	5.31E-05	1.27E-04	3.43E-04	8.08E-04	4.31E-04
Npy5r	4.60E-05	5.05E-05	3.04E-05	1.00E-04	2.73E-04	3.91E-05	7.80E-05
Nr0b1	7.58E-05	1.79E-04	3.42E-05	7.14E-05	5.55E-04	4.51E-05	5.80E-04
Nr0b2	1.29E-04	3.71E-05	4.89E-05	9.69E-05	7.73E-05	1.36E-04	6.69E-05
Nr1d1	5.79E-05	1.47E-04	6.65E-04	8.85E-05	7.91E-03	3.24E-02	3.97E-02
Nr1d2	3.09E-04	3.64E-04	7.09E-05	5.59E-04	1.29E-03	2.82E-02	3.39E-02
Nr1h2	1.75E-04	2.15E-04	1.94E-04	7.04E-04	1.64E-04	1.24E-03	2.89E-04
Nr1h3	7.23E-05	4.45E-05	7.26E-05	2.41E-04	3.36E-04	1.08E-03	2.16E-04
Nr1h4	3.04E-04	3.03E-05	7.16E-05	4.04E-05	6.60E-05	2.82E-04	3.11E-04
Nr1h5	4.52E-05	6.48E-05	6.30E-05	1.62E-04	2.25E-04	3.35E-05	3.95E-05
Nr1i2	2.03E-02	4.83E-02	3.82E-02	8.60E-02	8.88E-02	9.84E-02	7.05E-02
Nr1i3	1.07E-04	4.90E-04	5.30E-05	6.88E-05	1.35E-04	4.12E-04	1.31E-04
Nr2c1	2.42E-04	2.85E-05	7.73E-04	2.15E-04	1.95E-03	4.31E-03	1.21E-03
Nr2c2	7.62E-04	7.53E-04	1.35E-03	2.29E-03	2.35E-03	1.23E-02	8.10E-03
Nr2e1	8.23E-03	2.71E-03	3.86E-04	3.17E-05	2.41E-05	1.91E-05	5.36E-05
Nr2e3	1.49E-04	5.36E-05	6.03E-05	1.26E-04	3.62E-05	2.23E-04	2.14E-04
Nr2f1	8.97E-02	6.85E-02	5.53E-02	4.82E-02	5.06E-02	1.09E-02	1.23E-02
Nr2f2	8.65E-03	2.00E-03	2.60E-04	1.93E-03	6.38E-04	1.08E-02	1.01E-03
Nr2f6	1.62E-03	4.23E-04	2.73E-04	1.13E-03	9.61E-03	1.78E-03	3.24E-03
Nr3c1	1.54E-03	1.32E-03	7.28E-04	4.51E-03	2.68E-03	7.88E-03	1.99E-02
Nr3c2	1.39E-04	3.81E-04	5.91E-04	1.87E-03	3.12E-03	9.04E-03	1.67E-02
Nr4a1	1.76E-04	1.83E-05	3.86E-04	1.17E-03	7.08E-04	7.55E-03	2.31E-03
Nr4a2	3.65E-03	1.16E-02	2.35E-02	1.08E-02	6.55E-03	5.17E-03	5.17E-03
Nr4a3	8.87E-05	1.51E-04	2.97E-03	4.91E-03	1.79E-03	1.09E-03	9.96E-04
Nr5a1	1.98E-05	1.03E-04	9.60E-05	1.11E-04	1.63E-04	3.02E-05	3.73E-05
Nr5a2	3.52E-04	1.10E-04	5.65E-05	2.91E-04	5.27E-05	6.83E-04	8.05E-05
Nr6a1	1.56E-04	3.63E-04	6.97E-04	8.70E-05	7.60E-05	8.87E-04	6.17E-04
Nrg1	2.13E-03	5.96E-04	9.76E-04	5.40E-03	NaN	9.39E-04	7.51E-04
Nrg2	2.62E-04	4.16E-05	1.11E-04	1.11E-03	2.06E-03	8.96E-03	4.95E-03
Nrg3	6.59E-04	1.61E-04	8.07E-05	5.41E-04	1.87E-04	7.05E-05	1.82E-05
Nrg4	6.94E-05	1.64E-04	3.84E-04	2.04E-04	3.49E-05	1.03E-04	1.60E-05
Nrgn	NaN	3.82E-02	NaN	7.79E-02	5.85E-02	1.89E-02	1.69E-02
Nrip1	1.65E-03	1.20E-04	8.23E-05	3.75E-04	3.49E-04	1.55E-03	7.20E-04
Nrip2	7.67E-05	5.50E-05	3.86E-05	1.39E-04	6.23E-05	8.10E-04	7.64E-03
Nrip3	2.36E-04	2.15E-04	2.30E-04	8.68E-05	2.07E-02	2.29E-02	2.53E-02
Nrl	5.69E-04	6.82E-05	2.93E-05	1.00E-04	4.88E-04	1.52E-04	1.17E-04
Nrn1	2.39E-03	1.59E-02	5.66E-03	2.11E-02	2.84E-02	6.57E-02	3.89E-02
Nrp1	2.37E-04	2.27E-03	1.61E-03	6.73E-03	8.56E-04	2.39E-03	1.10E-03
Nrp2	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Nrtn	4.79E-05	1.22E-04	1.32E-05	6.09E-05	1.54E-04	2.67E-04	NaN
Nrxn1	5.31E-04	7.23E-03	4.15E-02	6.70E-02	9.45E-02	8.54E-02	5.54E-02
Nsbp1	2.86E-04	1.44E-05	7.39E-05	1.58E-04	9.12E-05	4.26E-05	2.52E-05

Nsd1	1.42E-02	5.05E-03	3.53E-03	9.54E-03	1.74E-02	1.51E-02	1.21E-02
Ntf3	3.43E-04	7.48E-05	7.29E-05	1.99E-03	2.61E-02	2.96E-03	1.33E-03
Ntf5	2.16E-05	1.33E-04	1.87E-04	1.48E-04	1.93E-04	1.69E-04	1.25E-04
Ntn1	9.45E-04	2.50E-04	1.51E-03	4.99E-03	5.85E-03	1.81E-03	1.24E-04
Ntn2l	2.19E-03	1.85E-04	8.07E-05	1.70E-04	4.08E-04	6.59E-03	2.73E-03
Ntn4	6.50E-05	1.33E-04	4.32E-05	1.32E-04	8.09E-03	5.29E-03	1.95E-04
Ntng1	2.21E-03	7.36E-03	3.23E-02	4.09E-02	7.21E-02	1.00E-01	7.60E-02
Ntng2	5.14E-03	9.42E-03	1.24E-02	1.70E-02	8.08E-03	1.29E-02	7.65E-03
Ntrk1	1.30E-04	3.26E-05	1.14E-04	2.88E-03	3.64E-03	1.11E-03	6.62E-04
Ntrk2	2.40E-03	4.27E-03	2.39E-02	1.90E-02	3.22E-02	5.96E-02	5.38E-02
Ntrk3	3.50E-05	1.13E-04	7.04E-05	3.07E-03	4.87E-03	1.03E-03	7.29E-04
Nts	1.07E-04	1.57E-04	2.12E-04	8.72E-03	6.28E-03	4.15E-03	1.16E-03
Ntsr1	1.26E-04	3.98E-05	5.82E-05	1.35E-04	6.37E-04	3.07E-04	2.53E-04
Ntsr2	2.13E-04	7.79E-05	2.73E-05	1.37E-04	1.53E-04	7.12E-05	5.25E-05
Numb	4.00E-04	3.28E-05	6.49E-05	8.64E-04	1.50E-02	1.14E-03	5.29E-03
Numb1	4.16E-04	NaN	NaN	1.11E-03	1.88E-02	1.41E-03	5.66E-03
Nxph4	1.89E-04	8.64E-04	3.86E-04	5.57E-05	4.68E-04	4.34E-03	1.91E-03
Obox1	3.93E-05	2.48E-05	1.11E-04	5.36E-05	1.10E-04	3.53E-05	6.16E-05
Obox3	2.34E-05	8.43E-05	3.04E-05	7.57E-05	1.25E-04	2.51E-05	5.94E-05
Obox4	2.94E-04	NaN	NaN	8.51E-05	1.68E-04	5.30E-05	5.94E-05
Obox5	6.42E-05	7.45E-05	3.13E-05	4.98E-05	2.26E-03	2.23E-04	1.12E-04
Obox6	2.16E-05	6.13E-05	8.55E-05	8.17E-05	1.61E-04	3.42E-05	1.08E-04
Odz3	8.73E-03	2.53E-02	2.50E-02	1.90E-02	3.50E-02	3.16E-02	8.16E-03
Og9x	4.36E-04	1.43E-04	1.06E-04	2.46E-04	1.28E-04	2.34E-04	1.21E-04
Olig1	4.78E-04	2.25E-04	5.60E-03	7.90E-03	1.89E-02	2.88E-02	2.97E-02
Olig2	5.43E-04	2.14E-04	1.09E-03	6.38E-03	2.08E-02	1.16E-02	7.28E-03
Olig3	4.97E-02	1.31E-02	1.09E-03	4.99E-04	4.39E-03	4.32E-05	1.68E-04
Onecut1	6.09E-03	5.10E-04	9.61E-04	2.98E-04	NaN	4.96E-03	NaN
Onecut2	8.43E-04	2.73E-04	6.11E-04	4.11E-04	1.17E-04	3.74E-03	8.28E-04
Onecut3	2.97E-02	4.20E-02	7.06E-02	7.14E-02	9.08E-02	8.02E-02	5.69E-02
Oprd1	6.75E-02	9.44E-02	6.11E-02	1.52E-01	1.27E-01	9.49E-02	6.49E-02
Oprk1	4.65E-04	3.20E-05	5.29E-05	7.03E-05	1.56E-04	2.00E-04	5.24E-05
Oprm1	4.36E-05	1.05E-04	1.58E-05	6.76E-04	8.44E-05	1.76E-04	2.21E-04
Ostf1	5.26E-04	1.03E-03	7.22E-04	7.88E-04	2.62E-04	9.18E-03	1.87E-03
Otof	2.38E-04	4.13E-05	1.75E-04	2.79E-04	1.30E-02	4.76E-03	7.42E-04
Otp	8.70E-05	3.20E-04	8.62E-04	8.59E-04	7.56E-04	1.23E-04	6.15E-04
Otx1	1.93E-03	2.33E-03	1.14E-03	3.23E-04	1.64E-04	3.15E-03	1.40E-04
Otx2	1.02E-01	4.91E-02	1.78E-02	1.55E-02	3.99E-03	6.48E-03	3.46E-03
Oxt	4.59E-04	4.08E-05	1.61E-05	2.73E-04	8.39E-04	6.57E-04	4.14E-04
Oxtr	1.69E-04	2.06E-05	1.11E-04	3.69E-04	3.74E-04	1.90E-04	3.98E-05
P2rx4	7.43E-04	3.97E-05	7.87E-05	8.90E-05	3.22E-04	NaN	4.74E-04
P2rx7	3.15E-04	4.47E-05	8.77E-05	5.83E-05	5.81E-04	1.72E-03	6.79E-04
Pafah1b1	3.02E-02	2.45E-02	2.25E-02	3.16E-02	9.94E-02	8.23E-02	9.20E-02
Pah	8.25E-04	6.01E-05	2.99E-04	6.98E-05	4.71E-04	2.59E-04	1.47E-04
Pak1	7.90E-03	3.76E-03	1.07E-03	2.45E-02	4.22E-02	4.71E-02	3.13E-02
Pappa2	NaN	8.78E-05	1.69E-04	5.60E-03	1.41E-03	1.02E-02	1.02E-02
Pard3	7.71E-03	2.05E-03	3.62E-04	5.65E-04	2.86E-03	NaN	3.30E-03
Park2	7.65E-05	4.23E-05	1.50E-04	3.03E-04	3.20E-03	7.22E-04	3.43E-03
Parvb	1.02E-02	3.31E-03	5.26E-04	5.97E-04	4.10E-03	3.23E-02	9.24E-03
Patz	3.94E-04	8.34E-04	1.05E-03	1.80E-04	2.05E-04	4.79E-03	6.28E-04
Pax1	1.16E-04	3.13E-05	1.44E-04	2.15E-04	1.61E-04	2.83E-05	NaN
Pax2	1.85E-04	2.50E-05	2.70E-05	1.47E-03	1.52E-03	1.17E-03	1.74E-04
Pax3	4.09E-03	9.36E-04	8.39E-04	2.31E-04	1.15E-03	1.09E-04	1.25E-04
Pax4	1.26E-03	3.03E-05	4.27E-05	8.30E-05	NaN	2.92E-05	5.00E-05
Pax5	5.23E-05	1.02E-04	1.56E-04	9.57E-04	5.67E-04	4.99E-05	5.90E-05
Pax6	4.60E-02	1.32E-02	1.47E-02	8.82E-03	5.87E-03	1.59E-03	1.92E-03
Pax7	7.77E-05	4.32E-04	2.05E-04	2.17E-03	2.22E-04	1.14E-03	9.28E-04
Pax8	4.69E-04	5.47E-05	1.17E-04	1.87E-04	2.86E-04	5.68E-03	4.00E-04

Pax9	4.11E-04	1.17E-04	1.84E-04	1.07E-04	1.04E-03	NaN	NaN
Pb1	2.03E-03	8.39E-03	2.64E-03	2.82E-03	1.65E-02	1.09E-02	3.69E-03
Pbx1	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Pbx2	5.22E-02	1.00E-02	4.91E-03	1.77E-02	1.14E-03	1.05E-02	2.46E-02
Pbx3	8.38E-04	2.14E-03	2.20E-03	1.71E-02	1.22E-02	3.01E-03	1.04E-03
Pbx4	1.02E-04	1.99E-03	4.24E-04	3.38E-04	3.56E-03	1.16E-03	1.14E-04
Pcbd1	7.74E-04	9.72E-05	6.71E-05	8.15E-05	7.04E-03	7.08E-03	2.81E-02
Pcdh1	2.63E-03	1.06E-02	1.14E-02	1.19E-02	2.80E-02	3.60E-02	4.90E-02
Pcdh10	1.06E-03	6.89E-03	1.52E-02	3.17E-02	4.06E-02	6.07E-02	5.36E-02
Pcdh11x	5.85E-04	1.38E-03	3.19E-03	8.20E-03	1.16E-02	1.38E-02	7.30E-03
Pcdh12	8.56E-04	1.33E-04	4.46E-05	1.41E-04	1.68E-04	1.08E-04	1.39E-04
Pcdh18	1.03E-02	1.44E-02	6.59E-03	9.47E-03	9.44E-04	8.23E-03	1.97E-03
Pcdh19	3.50E-03	9.69E-03	1.57E-02	9.64E-03	4.29E-02	1.50E-03	9.36E-03
Pcdh20	2.34E-03	1.12E-04	1.36E-03	1.69E-04	1.77E-03	9.88E-03	8.05E-03
Pcdh21	1.11E-04	2.77E-04	3.76E-05	4.03E-04	9.78E-03	4.15E-03	9.26E-04
Pcdha7	4.34E-04	2.48E-02	5.39E-02	7.23E-02	6.56E-02	3.61E-02	3.47E-02
Pcdhb14	1.65E-03	2.77E-03	2.97E-03	1.09E-02	2.78E-02	4.93E-02	3.66E-02
Pcdhb4	9.86E-05	4.69E-05	7.72E-05	1.37E-04	4.19E-05	4.11E-04	4.47E-05
Pcdhb9	3.15E-04	2.98E-04	2.60E-03	1.26E-03	9.35E-03	9.67E-03	6.30E-03
Pcdhga12	2.25E-04	1.04E-02	6.83E-03	1.42E-02	1.93E-02	2.77E-02	1.95E-02
Pclo	5.84E-04	2.02E-04	1.05E-04	1.68E-04	1.07E-02	8.35E-03	6.43E-03
Pcnt	5.27E-03	5.74E-03	7.61E-04	3.38E-04	1.01E-03	4.96E-04	4.50E-03
Pcp2	3.72E-03	2.85E-05	4.32E-04	3.69E-04	6.35E-05	5.14E-04	5.39E-05
Pcp4	3.74E-06	7.61E-04	3.05E-03	6.42E-03	1.78E-02	7.12E-02	6.57E-02
Pcsk2	4.19E-03	1.91E-02	3.25E-02	2.93E-02	7.72E-02	1.24E-01	1.11E-01
Pde10a	NaN	6.94E-04	1.51E-03	2.91E-03	8.98E-03	2.69E-02	5.14E-03
Pde11a	8.30E-04	5.44E-05	1.77E-04	1.76E-03	1.11E-04	5.44E-04	7.40E-04
Pde1a	1.14E-04	7.69E-05	9.76E-05	1.48E-04	1.12E-03	4.82E-04	4.72E-04
Pde1c	2.50E-04	3.29E-04	2.01E-04	8.97E-04	5.16E-04	1.18E-02	9.26E-04
Pde5a	1.97E-03	1.14E-03	5.79E-04	3.07E-04	5.81E-04	2.14E-03	5.94E-04
Pdgfa	4.63E-05	3.13E-04	2.31E-04	7.95E-03	1.35E-02	2.71E-02	9.59E-03
Pdgfb	2.48E-03	1.59E-03	7.96E-04	2.13E-04	2.88E-04	2.34E-03	4.10E-04
Pdgfc	2.53E-04	3.81E-04	8.03E-05	2.83E-04	1.94E-04	3.18E-04	2.80E-04
Pdgfd	4.42E-05	1.79E-05	4.45E-05	9.91E-05	4.75E-05	1.22E-04	5.55E-04
Pdgfra	4.63E-03	6.61E-04	1.16E-03	1.74E-02	1.32E-02	2.59E-02	7.89E-03
Pdgfrb	9.33E-03	3.50E-03	1.18E-03	1.07E-02	2.05E-03	1.24E-02	6.55E-03
Pdlim1	1.20E-03	2.27E-03	1.38E-04	7.62E-05	2.04E-03	1.93E-03	7.97E-04
Pdpn	6.88E-04	4.33E-04	4.53E-04	2.18E-04	3.72E-04	1.16E-03	9.26E-05
Pdyn	2.56E-04	3.81E-05	4.32E-04	1.15E-02	2.22E-02	2.01E-02	4.50E-03
Pdzd2	4.21E-04	7.93E-04	8.90E-04	8.88E-04	4.79E-03	1.10E-02	3.57E-03
Peg10	2.28E-02	5.14E-03	2.17E-02	1.77E-02	3.20E-02	3.78E-02	1.94E-02
Peg12	1.56E-03	3.75E-04	1.53E-05	3.58E-04	1.03E-04	5.91E-05	2.66E-04
Penk1	4.80E-05	1.48E-04	1.87E-04	5.34E-03	9.49E-03	9.20E-03	5.31E-03
Per1	5.60E-04	5.70E-05	2.23E-04	2.66E-03	1.09E-03	6.31E-03	6.58E-03
Per2	9.47E-05	8.56E-05	2.36E-04	2.58E-03	1.78E-03	1.01E-03	6.16E-04
Perp	9.65E-04	6.82E-04	5.37E-04	4.97E-04	1.65E-03	7.43E-03	8.58E-04
Pex2	4.17E-04	1.17E-04	3.32E-04	5.80E-04	2.26E-03	4.27E-02	4.16E-02
Pgr	8.21E-05	9.83E-05	1.29E-04	2.60E-03	7.71E-04	NaN	6.91E-04
Phb2	1.10E-01	2.07E-02	1.48E-02	1.04E-02	3.53E-02	1.45E-02	3.93E-02
Phox2a	7.60E-05	2.14E-04	4.53E-05	3.81E-04	1.76E-04	1.85E-02	4.80E-03
Phox2b	1.94E-04	1.47E-04	3.93E-05	3.93E-04	2.69E-04	6.50E-05	5.51E-05
Phr1	2.03E-03	5.14E-04	2.58E-03	9.76E-03	3.12E-02	4.62E-02	5.88E-02
Phtf1	6.77E-05	7.13E-05	2.82E-05	6.42E-05	4.15E-05	2.06E-03	7.91E-04
Phtf2	6.25E-04	1.26E-03	7.51E-05	4.57E-03	1.56E-02	8.74E-03	5.79E-03
Pik3cb	1.17E-03	9.40E-04	3.07E-03	NaN	5.30E-03	1.20E-02	7.40E-03
Pik3r1	8.11E-04	8.70E-04	3.94E-03	1.61E-02	1.13E-03	1.16E-02	6.39E-03
Pitx1	6.28E-05	NaN	NaN	2.27E-04	NaN	5.18E-05	NaN
Pitx2	1.95E-03	1.98E-03	1.45E-03	1.05E-03	1.24E-03	1.21E-03	8.15E-04

Pitx3	5.17E-04	7.14E-05	NaN	7.13E-05	5.57E-04	4.91E-05	NaN
Pkd1	2.05E-05	7.40E-04	6.91E-03	4.92E-02	2.42E-02	5.33E-02	4.97E-02
Pknx1	5.89E-04	5.10E-04	6.07E-04	7.30E-04	1.25E-04	2.34E-03	6.51E-04
Pknx2	1.85E-03	9.56E-04	2.16E-04	6.18E-03	4.93E-03	4.63E-03	2.64E-03
Pkp2	8.85E-05	7.62E-05	9.16E-06	3.67E-05	1.05E-04	1.11E-03	3.09E-03
Plagl1	3.10E-02	4.68E-03	5.66E-03	2.34E-03	NaN	1.18E-03	1.80E-03
Plcb4	3.05E-04	2.03E-04	7.52E-04	1.02E-02	1.38E-02	3.87E-02	4.29E-02
Plcd1	1.74E-03	2.35E-03	6.19E-04	3.26E-03	5.91E-04	4.03E-03	3.71E-04
Plcg1	NaN	5.00E-03	3.46E-03	2.51E-03	3.89E-02	2.08E-02	1.43E-02
Plch1	2.37E-03	3.15E-04	1.20E-04	2.80E-03	6.16E-03	4.32E-03	1.26E-03
Pldn	9.68E-04	9.74E-05	1.77E-04	2.51E-04	3.90E-03	1.38E-03	7.97E-04
Plekha1	1.46E-03	3.43E-04	1.74E-05	4.71E-03	2.18E-04	2.72E-02	4.00E-02
Plp1	3.32E-04	9.69E-04	4.89E-04	4.73E-04	9.79E-03	5.62E-02	6.16E-02
Plxna1	9.07E-04	4.24E-04	1.49E-02	9.16E-03	2.18E-02	7.07E-03	7.69E-04
Plxna2	4.26E-05	7.04E-03	1.21E-02	2.62E-02	2.30E-02	1.26E-02	5.28E-03
Plxna3	7.10E-03	4.07E-02	3.59E-02	7.40E-02	3.88E-02	1.55E-02	1.48E-02
Plxna4	3.91E-05	3.55E-05	1.74E-05	9.05E-04	1.01E-04	7.88E-04	8.87E-05
Plxnb1	1.41E-02	1.84E-02	2.59E-02	3.96E-02	1.07E-02	1.50E-03	6.33E-03
Plxnb2	2.51E-02	7.26E-03	1.32E-02	4.04E-02	3.47E-02	4.08E-02	3.34E-02
Plxnc1	4.41E-04	2.69E-03	8.32E-03	NaN	2.70E-02	6.83E-03	5.83E-03
Plxnd1	7.48E-03	9.85E-03	9.62E-03	1.38E-02	7.82E-03	9.19E-03	8.62E-04
Pmch	3.12E-05	1.68E-04	4.45E-04	1.99E-04	6.37E-04	7.84E-05	3.23E-04
Pml	7.42E-05	1.65E-03	1.69E-04	2.63E-04	NaN	1.59E-02	3.92E-03
Pms1	2.01E-04	6.00E-05	2.93E-05	6.96E-05	1.03E-04	3.54E-04	5.87E-04
Pnn	6.50E-02	1.96E-02	2.68E-02	4.24E-02	5.58E-02	6.96E-02	6.35E-02
Pnoc	1.57E-03	3.48E-04	6.30E-04	6.39E-03	1.14E-02	1.93E-02	5.10E-03
Pofut1	1.78E-04	1.97E-04	9.90E-05	1.92E-03	1.35E-02	6.51E-03	1.60E-03
Pogz	3.10E-03	5.14E-04	3.51E-04	1.83E-03	1.03E-03	6.81E-03	2.65E-03
Pomc1	1.07E-02	4.08E-04	1.43E-04	3.39E-04	9.16E-05	9.74E-04	1.84E-03
Pomgnt1	1.61E-03	2.56E-04	7.82E-04	5.22E-03	1.34E-02	1.51E-02	1.45E-02
Porcn	3.10E-04	1.02E-04	2.28E-04	2.45E-03	2.20E-03	1.43E-02	1.61E-03
Postn	4.23E-04	3.93E-04	5.03E-04	2.26E-03	7.52E-04	2.53E-03	7.02E-04
Pou1f1	5.79E-05	8.68E-05	8.22E-05	1.14E-04	6.03E-05	4.17E-04	2.24E-04
Pou2af1	1.05E-04	2.77E-04	2.18E-05	NaN	NaN	5.26E-04	2.70E-04
Pou2f1	2.10E-03	4.08E-03	6.76E-03	2.32E-03	1.49E-02	1.34E-02	3.06E-02
Pou2f2	2.46E-04	3.14E-02	1.33E-02	5.92E-03	4.54E-03	3.00E-03	3.69E-04
Pou2f3	1.49E-04	2.62E-04	5.08E-05	4.04E-05	NaN	6.61E-04	4.04E-03
Pou3f1	3.04E-02	6.72E-03	1.12E-03	4.56E-04	1.64E-03	3.05E-04	4.58E-05
Pou3f2	9.53E-02	3.88E-02	5.14E-02	3.88E-02	8.37E-02	7.19E-02	5.35E-02
Pou3f3	2.04E-02	6.20E-03	9.78E-03	1.47E-03	1.33E-03	1.58E-03	3.98E-05
Pou3f4	5.74E-03	2.13E-03	1.88E-04	5.41E-05	6.01E-05	NaN	1.46E-04
Pou4f1	4.25E-03	6.92E-03	1.77E-02	1.44E-02	3.77E-03	2.87E-03	8.16E-04
Pou4f2	2.23E-04	2.62E-05	2.10E-05	1.99E-04	1.32E-04	4.05E-04	2.24E-04
Pou4f3	1.36E-03	1.04E-04	2.45E-04	1.76E-04	6.16E-05	4.89E-05	2.00E-05
Pou5f1	1.62E-03	2.85E-05	7.44E-05	4.92E-05	1.21E-04	7.21E-04	1.37E-04
Pou6f1	2.05E-04	3.17E-03	2.83E-03	1.28E-03	3.82E-03	1.11E-02	9.08E-03
Pou6f2	9.86E-05	4.74E-03	5.86E-03	4.95E-03	2.45E-03	1.24E-02	3.75E-03
Ppara	5.91E-05	6.25E-05	7.73E-05	7.69E-05	1.49E-04	6.22E-04	9.18E-05
Ppard	2.74E-05	2.47E-04	1.48E-03	7.98E-04	5.41E-04	2.72E-03	4.06E-03
Pparg	1.98E-04	1.38E-04	1.95E-05	1.20E-04	3.35E-05	4.93E-04	1.55E-04
Ppargc1a	5.73E-03	8.62E-05	5.02E-04	1.40E-03	2.35E-03	3.60E-03	1.78E-03
Ppfibp1	NaN	1.65E-03	1.45E-03	2.89E-03	2.80E-03	1.17E-02	4.00E-03
Ppp1r1b	NaN	3.57E-04	1.59E-03	7.29E-03	2.13E-03	1.99E-03	9.79E-03
Ppp3ca	5.37E-04	2.52E-05	2.97E-05	1.55E-04	2.98E-03	7.56E-03	3.06E-02
Ppp3r2	8.02E-05	2.80E-05	1.39E-04	7.25E-04	1.89E-03	1.57E-03	1.09E-04
Prdm5	5.32E-05	2.29E-04	1.01E-04	2.07E-04	6.05E-05	3.78E-05	1.10E-04
Prg4	2.94E-05	2.66E-05	7.29E-05	9.90E-05	2.00E-04	5.88E-05	1.09E-04
Prkaca	9.56E-03	1.57E-03	1.05E-02	6.55E-03	4.03E-02	8.91E-02	5.30E-02

Prkcb1	2.49E-05	1.99E-04	1.07E-04	1.25E-03	2.01E-03	2.28E-02	1.06E-02
Prkcd	4.85E-04	5.06E-05	2.68E-05	1.25E-03	1.85E-04	3.72E-02	5.24E-02
Prlr	6.59E-04	3.19E-05	2.55E-05	1.20E-04	2.46E-04	2.22E-03	1.22E-03
Prnp	5.63E-04	9.58E-04	3.65E-03	1.18E-02	4.89E-02	8.45E-02	9.76E-02
Prodh	2.66E-04	2.05E-04	1.24E-04	9.30E-05	1.07E-04	7.28E-04	3.83E-03
Prom1	6.12E-04	2.17E-04	1.93E-04	3.66E-04	8.61E-05	5.51E-03	1.90E-03
Prop1	2.33E-04	1.36E-03	3.24E-04	4.79E-04	9.89E-05	2.61E-03	6.16E-04
Pros1	1.50E-03	3.76E-04	4.57E-05	1.55E-04	1.56E-04	2.73E-04	1.55E-04
Prox1	3.48E-04	NaN	7.32E-03	1.83E-02	6.82E-03	9.15E-03	1.28E-03
Prph1	1.36E-03	1.23E-04	9.48E-05	7.81E-03	1.44E-03	NaN	NaN
Prrx1	1.01E-03	6.93E-05	7.74E-05	6.14E-04	8.71E-05	8.53E-05	8.77E-05
Prrx2	4.79E-05	1.06E-04	1.67E-04	9.88E-05	5.90E-05	2.88E-05	2.05E-05
Prrxl1	1.27E-03	2.97E-05	9.13E-05	7.15E-05	1.93E-04	1.42E-04	4.76E-05
Prss12	6.40E-05	3.95E-04	6.69E-05	5.39E-05	5.29E-04	5.55E-04	1.25E-04
Psd	8.09E-04	1.13E-02	1.22E-02	1.38E-02	5.21E-02	2.93E-02	2.04E-02
Psen1	2.39E-04	4.91E-05	4.47E-04	4.82E-03	8.61E-03	1.14E-02	6.22E-03
Psen2	6.66E-04	5.76E-05	2.03E-05	8.75E-05	1.62E-04	1.65E-03	1.19E-03
Psenen	1.41E-04	1.56E-04	1.98E-04	8.02E-04	1.44E-03	5.50E-05	1.22E-03
Pspn	1.38E-03	3.50E-04	4.61E-05	9.02E-04	6.89E-05	2.61E-05	1.38E-04
Ptch1	5.15E-03	3.20E-03	1.16E-03	2.30E-03	1.20E-03	7.43E-03	1.66E-03
Pten	1.19E-02	1.52E-03	6.41E-04	1.42E-02	2.96E-02	2.49E-02	2.14E-02
Ptf1a	NaN	NaN	1.12E-04	3.77E-05	NaN	5.73E-04	1.91E-03
Ptgds	3.42E-04	1.79E-03	1.33E-03	5.65E-03	2.90E-03	1.09E-02	3.27E-02
Ptgs2	8.06E-05	3.46E-05	2.86E-05	7.71E-04	4.44E-04	2.50E-04	1.17E-03
Pthlh	9.66E-05	7.51E-05	2.08E-05	3.43E-04	1.26E-03	3.99E-04	2.95E-04
Ptk2	1.91E-04	2.33E-03	1.61E-03	1.24E-03	1.64E-02	8.78E-03	6.03E-03
Ptk7	5.94E-03	3.79E-03	6.89E-04	3.62E-04	2.47E-04	8.90E-04	2.36E-04
Ptprc	2.74E-03	7.06E-04	3.13E-04	1.85E-04	3.57E-04	1.01E-04	1.13E-04
Ptprk	1.43E-03	7.97E-04	2.23E-03	4.66E-03	7.64E-03	2.45E-03	2.75E-03
Ptpru	6.22E-04	2.68E-04	6.42E-03	1.75E-02	6.43E-03	2.88E-02	1.81E-02
Ptprz1	2.14E-02	5.70E-03	1.17E-02	2.64E-02	6.22E-02	2.06E-02	6.50E-03
Pura	7.30E-04	1.60E-04	2.98E-05	1.16E-04	1.16E-03	1.55E-02	1.40E-04
Pvalb	9.87E-05	1.29E-04	6.70E-05	5.99E-04	1.06E-03	5.85E-03	1.05E-02
Pvrl1	3.28E-03	3.33E-03	1.18E-02	2.77E-02	2.53E-02	4.13E-02	1.25E-02
Pvrl2	5.51E-04	1.64E-03	2.49E-04	4.77E-04	3.02E-04	5.34E-03	1.77E-02
Pvrl3	7.31E-03	3.25E-04	5.20E-04	2.69E-03	4.87E-03	2.89E-03	9.62E-04
Pvrl4	2.10E-04	1.30E-04	9.68E-05	4.23E-05	1.51E-03	2.42E-03	4.03E-03
Pygo1	1.53E-03	7.89E-05	NaN	1.38E-03	5.89E-03	3.29E-03	3.42E-04
Pygo2	1.70E-03	7.93E-05	4.34E-04	2.73E-03	1.08E-03	1.07E-02	4.68E-03
Pyy	4.46E-05	1.24E-04	4.04E-05	7.32E-05	9.23E-05	9.92E-05	5.26E-05
Qdpr	3.70E-02	2.03E-03	1.70E-04	7.22E-04	2.22E-02	3.20E-02	5.48E-02
Rab37	1.30E-03	2.05E-04	1.90E-04	1.90E-04	1.32E-04	9.04E-03	1.99E-02
Rab3a	1.32E-03	1.05E-04	5.12E-03	1.16E-02	6.43E-02	9.56E-02	9.38E-02
Rac1	8.77E-02	3.75E-02	2.16E-02	2.23E-02	4.11E-02	2.06E-02	3.36E-02
Rac2	3.23E-04	1.87E-04	1.34E-04	1.76E-04	1.05E-04	1.81E-04	4.73E-04
Rac3	3.02E-04	5.56E-04	9.70E-03	2.74E-02	3.78E-02	5.73E-03	5.19E-03
Rai1	1.25E-03	1.11E-03	3.02E-03	8.30E-03	8.00E-03	8.23E-03	8.21E-03
Rapgef1	3.03E-02	8.75E-03	7.93E-03	NaN	1.72E-02	2.05E-02	8.31E-03
Rara	9.73E-04	2.15E-03	7.22E-04	1.11E-03	1.13E-02	2.47E-03	1.22E-03
Rarb	2.98E-04	2.28E-04	3.39E-04	1.90E-04	5.49E-04	4.70E-04	1.56E-04
Rarg	4.56E-04	8.59E-05	9.66E-05	4.42E-05	8.15E-04	9.78E-04	3.46E-04
Rasa2	5.20E-04	5.20E-05	1.03E-04	1.98E-04	2.62E-03	3.91E-03	1.80E-03
Rasgrf1	1.88E-04	3.87E-05	7.97E-05	3.50E-04	1.42E-03	2.22E-02	2.12E-02
Rasgrf2	7.35E-04	1.19E-04	3.68E-04	4.95E-04	3.20E-03	1.40E-02	5.14E-03
Rax	2.50E-05	3.55E-04	2.58E-05	5.88E-05	1.27E-04	4.96E-05	2.48E-04
Rb1	2.70E-03	4.14E-03	2.43E-03	4.84E-04	4.43E-03	3.48E-03	1.13E-03
Rbpsuh	7.02E-04	4.60E-04	6.81E-05	7.78E-04	1.05E-03	1.85E-03	5.35E-04
Rcn1	2.33E-03	1.30E-03	9.19E-04	3.17E-03	8.04E-03	1.41E-02	3.31E-03

Rcor2	NaN	2.89E-02	1.21E-02	4.60E-02	1.61E-02	2.30E-02	3.34E-02
Rela	3.63E-03	7.26E-04	6.84E-04	1.86E-03	1.43E-02	1.73E-02	1.46E-02
Reln	2.94E-03	1.02E-02	1.92E-02	3.75E-02	1.57E-02	1.13E-02	4.46E-03
Rere	1.52E-03	6.58E-03	1.04E-02	1.92E-02	1.79E-02	3.56E-02	3.45E-02
Rest	1.43E-02	7.66E-03	4.22E-03	2.87E-02	9.04E-03	2.68E-02	8.95E-03
Ret	4.13E-04	5.91E-04	5.35E-03	4.72E-03	1.96E-02	1.27E-02	1.11E-02
Rfrp	7.39E-05	9.74E-05	1.29E-04	2.18E-04	1.65E-03	1.14E-04	1.01E-04
Rgs10	1.42E-03	2.15E-04	3.87E-04	2.08E-04	5.73E-04	1.23E-03	9.22E-04
Rgs4	1.54E-03	4.30E-04	2.66E-03	4.26E-03	1.18E-02	6.35E-02	5.42E-02
Rheb	1.56E-02	6.70E-03	1.32E-03	1.54E-02	5.38E-02	5.05E-02	4.02E-02
Rhoa	3.16E-02	9.30E-03	6.03E-03	1.30E-02	1.27E-02	1.10E-02	5.80E-03
Rhox1	3.16E-05	4.76E-05	2.33E-04	8.54E-05	1.52E-04	8.25E-05	1.73E-05
Rhox10	1.77E-04	4.80E-05	1.32E-03	7.68E-05	9.57E-05	4.17E-05	2.71E-05
Rhox11	5.91E-04	9.88E-04	8.31E-05	5.13E-05	6.37E-05	7.15E-05	5.27E-05
Rhox12	1.51E-04	3.62E-05	3.63E-05	2.47E-04	9.61E-05	3.08E-05	5.80E-05
Rhox4b	3.89E-04	2.05E-03	3.87E-04	1.02E-04	7.67E-05	2.50E-04	1.29E-04
Rhox4e	1.91E-04	8.80E-04	5.97E-05	8.48E-05	1.41E-04	8.25E-05	4.29E-05
Rhox5	2.93E-04	1.93E-04	1.21E-04	6.91E-05	NaN	NaN	8.95E-05
Rhox6	1.64E-04	5.69E-05	7.06E-05	1.71E-04	1.11E-04	5.87E-04	1.14E-04
Rhox8	2.85E-04	5.07E-05	5.21E-05	1.56E-04	3.98E-04	4.11E-05	1.01E-04
Rhox9	4.09E-05	1.82E-04	9.99E-05	1.38E-04	2.33E-04	3.24E-03	3.19E-04
Rln1	2.52E-04	1.15E-04	3.15E-05	1.04E-03	9.50E-05	6.99E-05	1.13E-03
Rln3	4.13E-04	4.72E-05	2.92E-05	1.50E-04	2.01E-04	3.58E-03	6.57E-04
Rnd2	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Robo1	2.93E-03	1.79E-02	2.01E-02	1.47E-02	2.38E-02	3.05E-02	6.34E-03
Robo2	4.46E-03	1.10E-02	3.09E-02	3.34E-02	4.67E-02	1.82E-02	8.76E-03
Robo3	3.66E-03	1.03E-02	2.69E-02	3.20E-02	2.78E-02	4.77E-02	2.95E-02
Rock2	2.25E-03	2.78E-04	1.77E-04	1.97E-03	2.00E-03	4.78E-03	5.88E-04
Ror1	7.07E-03	1.31E-02	5.82E-02	9.10E-03	1.34E-02	5.43E-02	4.99E-02
Ror2	7.20E-03	1.31E-02	5.82E-02	9.09E-03	1.35E-02	5.44E-02	4.99E-02
Rora	7.53E-03	1.75E-02	6.07E-02	1.21E-02	1.77E-02	7.22E-02	6.63E-02
Rorb	9.00E-05	6.43E-05	7.61E-04	2.01E-03	3.45E-02	1.55E-02	1.21E-02
Rorc	7.39E-04	1.93E-04	2.52E-04	5.29E-04	3.28E-04	5.26E-04	7.31E-05
Ros1	2.93E-05	1.46E-04	1.55E-05	1.99E-04	2.19E-04	2.60E-05	3.17E-05
Rprm	1.02E-02	5.17E-03	1.93E-02	5.15E-02	1.66E-02	1.42E-02	2.19E-03
Rps4x	1.33E-01	3.68E-02	2.47E-02	1.06E-02	8.82E-03	9.87E-03	5.86E-03
Rreb1	5.14E-04	1.64E-04	1.55E-04	1.30E-03	1.53E-03	1.20E-02	2.30E-02
Rspo1	7.71E-02	7.09E-03	7.06E-04	1.04E-03	2.49E-03	9.21E-03	4.81E-03
Rspo2	1.90E-02	2.57E-03	2.53E-03	2.02E-04	1.69E-04	4.08E-04	5.13E-05
Rspo3	2.14E-02	4.72E-03	4.63E-03	8.35E-04	1.76E-04	1.54E-04	1.03E-04
Rspo4	9.85E-04	1.71E-04	1.90E-05	1.31E-03	6.89E-05	1.17E-04	7.29E-04
Rtn4r	5.69E-05	5.28E-05	5.01E-04	7.39E-05	3.17E-02	2.11E-02	8.97E-03
Rtn4rl1	NaN	1.58E-03	7.53E-04	3.42E-03	5.79E-03	NaN	NaN
Runx1	5.21E-04	5.91E-04	5.17E-04	4.06E-04	6.06E-04	NaN	NaN
Runx1t1	1.15E-03	3.50E-04	2.35E-03	7.46E-03	1.85E-03	2.70E-03	7.27E-04
Runx2	2.26E-04	1.65E-04	6.32E-05	6.46E-05	1.61E-04	6.93E-03	5.47E-04
Rxfp1	2.70E-04	5.14E-05	1.35E-05	NaN	2.03E-03	4.11E-03	1.04E-03
Rxfp3	4.94E-04	2.06E-04	6.03E-05	1.15E-04	3.76E-04	1.27E-03	3.59E-04
Rxra	5.91E-03	9.98E-04	1.46E-04	7.07E-05	4.03E-04	1.01E-03	1.05E-03
Rxrb	1.10E-03	3.31E-04	2.80E-04	6.57E-04	7.90E-03	1.08E-02	1.15E-02
Rxrg	2.15E-05	4.66E-05	7.71E-05	1.21E-04	1.61E-04	4.19E-03	1.45E-04
Ryk	5.20E-02	1.03E-02	1.26E-03	8.18E-04	9.29E-04	2.60E-03	7.67E-04
S100a10	2.25E-02	5.50E-04	4.49E-04	1.94E-02	1.91E-02	2.20E-03	2.11E-03
S100b	9.94E-04	1.74E-05	3.05E-05	1.04E-03	9.08E-04	9.36E-03	7.29E-03
Satb1	7.41E-03	1.93E-03	1.24E-03	8.38E-03	8.98E-03	1.19E-02	8.99E-03
Satb2	2.44E-04	8.37E-05	3.27E-04	7.27E-03	2.25E-03	1.06E-02	1.19E-04
Scara3	3.43E-04	4.09E-05	5.59E-05	6.18E-05	3.14E-04	2.20E-04	9.24E-05
Scarb1	1.52E-03	4.35E-04	8.49E-05	3.06E-03	7.76E-03	5.87E-03	4.03E-03

Scarf2	1.01E-04	2.57E-03	4.19E-04	1.20E-04	2.45E-04	1.70E-04	5.39E-05
Sccpdh	4.11E-04	1.49E-04	1.67E-04	2.06E-04	1.59E-03	1.53E-03	2.08E-04
Scg2	4.94E-05	3.09E-03	2.39E-02	5.70E-02	9.64E-02	8.54E-02	7.69E-02
Scg3	1.44E-04	6.60E-03	2.15E-02	2.85E-03	2.92E-02	2.65E-02	1.20E-02
Scg5	2.05E-03	3.02E-03	1.19E-02	1.75E-03	3.01E-02	7.13E-02	8.82E-02
Scn10a	4.46E-04	2.13E-05	3.34E-05	5.15E-05	5.11E-03	4.42E-05	3.14E-05
Scn1a	1.17E-03	6.63E-05	1.18E-04	1.10E-03	3.20E-04	3.62E-03	2.13E-03
Scn4b	7.44E-04	4.72E-04	2.02E-05	4.87E-04	1.91E-04	5.99E-03	1.20E-02
Scn5a	9.75E-04	7.76E-05	1.14E-04	1.25E-04	4.02E-04	2.81E-03	3.32E-04
Scnn1a	1.70E-03	1.07E-04	8.46E-05	1.21E-04	8.66E-05	1.23E-03	5.47E-04
Scpep1	4.58E-04	3.49E-05	7.73E-05	9.11E-05	6.32E-04	3.03E-04	5.79E-05
Sct	2.09E-04	1.48E-04	1.54E-04	2.16E-04	1.53E-04	2.08E-05	5.23E-05
Scube1	5.12E-05	5.11E-05	4.33E-04	6.97E-03	3.10E-03	1.18E-02	5.00E-03
Scx	NaN	NaN	NaN	NaN	1.50E-03	NaN	2.62E-02
Sel1h	7.37E-04	4.23E-05	7.63E-05	1.13E-03	3.62E-04	2.07E-02	1.12E-02
Selpl	2.81E-04	5.06E-04	4.69E-04	5.45E-05	1.28E-03	1.49E-02	7.55E-03
Sema3a	4.67E-03	6.40E-04	3.99E-04	1.99E-03	8.52E-04	3.85E-04	5.19E-05
Sema3b	2.05E-03	1.02E-04	1.50E-04	1.80E-03	5.45E-04	2.36E-03	1.24E-03
Sema3c	2.09E-03	6.11E-05	3.60E-04	1.41E-03	1.22E-03	4.38E-03	2.05E-04
Sema3d	7.88E-04	2.42E-04	1.39E-04	1.56E-03	2.19E-03	1.68E-03	6.30E-04
Sema3e	9.52E-05	1.30E-04	5.44E-05	2.11E-03	5.99E-03	1.61E-02	5.76E-03
Sema3f	5.12E-04	2.02E-03	5.89E-03	7.84E-03	1.38E-02	8.35E-03	2.82E-03
Sema4a	1.40E-04	1.21E-04	7.90E-05	7.61E-03	1.57E-02	1.61E-02	1.23E-03
Sema4b	7.84E-04	1.41E-04	2.73E-05	1.26E-04	3.86E-04	4.18E-04	8.54E-04
Sema4c	2.64E-04	8.23E-04	3.11E-04	3.62E-04	1.69E-03	8.69E-04	1.87E-03
Sema4d	3.78E-04	2.32E-03	8.32E-04	1.90E-02	2.77E-03	2.54E-02	2.01E-02
Sema4f	5.07E-04	7.07E-05	5.02E-05	6.40E-03	5.20E-03	7.77E-03	3.61E-03
Sema4g	5.31E-03	1.17E-03	3.86E-03	4.89E-02	6.53E-02	4.90E-02	2.71E-02
Sema5a	NaN	1.81E-02	NaN	3.93E-04	8.27E-03	2.87E-02	1.86E-02
Sema5b	NaN	6.23E-03	5.90E-03	3.92E-03	3.15E-03	1.12E-02	1.54E-03
Sema6a	4.95E-03	1.32E-02	3.21E-02	4.10E-02	5.21E-02	3.12E-02	2.32E-02
Sema6b	8.61E-03	7.60E-03	NaN	1.33E-02	7.68E-03	2.67E-02	4.51E-02
Sema6c	8.59E-04	1.46E-02	1.26E-02	2.23E-02	4.25E-03	3.44E-03	1.87E-03
Sema6d	6.74E-03	9.12E-03	1.80E-02	3.56E-02	4.15E-02	2.44E-02	2.14E-02
Sema7a	3.35E-05	9.36E-04	5.10E-04	1.76E-02	4.59E-02	4.64E-02	2.88E-02
Sepp1	7.05E-03	2.31E-02	2.27E-02	2.64E-02	2.48E-02	2.91E-02	2.54E-02
Serpina3k	1.76E-04	2.45E-05	1.45E-05	2.92E-04	1.01E-04	8.56E-04	7.95E-05
Serpina9	2.57E-03	5.89E-05	5.07E-05	2.09E-04	1.30E-04	8.47E-04	5.74E-04
Serpinb1a	1.04E-04	2.20E-04	1.71E-04	8.09E-05	3.59E-04	1.24E-04	2.30E-03
Sertad2	8.08E-05	1.98E-03	9.67E-05	2.77E-04	3.20E-04	NaN	4.07E-03
Setd7	1.45E-03	1.88E-04	1.75E-04	9.02E-05	1.68E-04	2.15E-02	2.19E-02
Sfpi1	5.32E-04	NaN	1.25E-03	1.98E-04	1.34E-03	6.43E-05	4.18E-05
Sfrp1	1.01E-02	5.94E-03	1.57E-03	4.78E-04	1.91E-02	3.75E-02	NaN
Sfrp2	9.27E-03	2.53E-03	3.81E-03	3.12E-03	3.58E-04	7.47E-03	1.05E-03
Sfrp4	1.56E-03	4.57E-04	6.21E-05	4.05E-03	1.07E-03	3.01E-03	3.19E-04
Sfrp5	3.94E-04	1.98E-05	2.07E-05	7.30E-04	2.90E-04	2.03E-02	9.63E-04
Sgcd	2.11E-04	4.73E-05	7.37E-05	3.77E-04	6.69E-04	7.91E-04	7.79E-04
Sgk	7.72E-04	6.61E-05	2.81E-03	1.20E-02	1.81E-02	1.70E-02	3.79E-03
Sh3bgrl2	2.67E-03	1.97E-04	4.38E-05	9.16E-05	8.51E-04	8.54E-03	1.03E-02
Shank3	NaN	8.86E-05	2.14E-02	7.65E-03	4.25E-02	1.62E-02	1.66E-02
Shbg	7.71E-05	9.34E-05	7.87E-05	9.39E-05	6.33E-05	6.52E-05	2.62E-05
Shc1	1.80E-04	NaN	3.15E-04	NaN	1.15E-03	3.42E-02	2.30E-02
Shh	4.74E-03	1.15E-04	3.91E-04	2.34E-04	1.84E-03	3.52E-04	8.91E-04
Shox2	1.57E-02	1.83E-03	7.38E-04	7.83E-04	1.37E-03	9.03E-03	6.30E-03
Sim1	9.75E-05	2.45E-04	2.66E-04	2.97E-04	2.94E-04	4.05E-04	1.35E-04
Sim2	1.24E-03	3.94E-02	4.79E-02	3.99E-02	6.96E-02	1.80E-02	2.63E-02
Sipa1l2	1.10E-04	2.37E-04	1.87E-04	6.26E-03	1.04E-02	1.09E-02	9.84E-04
Six1	8.41E-04	2.03E-04	2.07E-04	1.01E-04	3.35E-04	3.35E-05	6.53E-04

Six2	4.12E-03	1.66E-04	5.69E-03	NaN	4.32E-02	4.27E-02	3.02E-02
Six3	2.74E-04	4.63E-03	NaN	1.47E-03	4.32E-02	1.51E-02	1.89E-02
Six4	9.21E-04	5.47E-05	3.61E-05	1.36E-03	6.50E-05	4.18E-04	3.16E-04
Six5	8.34E-04	4.34E-04	6.00E-04	1.61E-04	2.20E-04	3.16E-04	1.10E-04
Six6	8.91E-05	5.77E-05	2.93E-05	2.11E-04	2.80E-05	6.16E-04	4.35E-05
Slc12a2	1.02E-03	7.47E-05	1.60E-04	NaN	9.36E-05	1.21E-02	8.69E-03
Slc16a2	5.08E-04	1.90E-03	1.05E-03	8.96E-04	1.08E-03	1.03E-02	1.56E-03
Slc17a6	1.35E-03	4.40E-03	1.88E-02	2.48E-02	5.04E-02	9.35E-02	6.58E-02
Slc17a7	5.35E-04	3.91E-04	1.12E-04	5.97E-03	3.66E-02	5.85E-02	4.76E-02
Slc17a8	2.56E-04	3.57E-05	2.18E-04	1.05E-03	1.66E-03	5.61E-03	3.38E-03
Slc18a1	5.99E-05	2.29E-04	6.02E-05	3.89E-05	4.20E-04	1.12E-04	3.20E-04
Slc18a2	9.18E-05	1.44E-02	2.59E-02	7.20E-03	1.16E-02	3.45E-03	1.91E-03
Slc18a3	5.04E-04	2.30E-05	3.06E-05	4.03E-04	2.21E-04	3.77E-03	1.18E-03
Slc1a1	6.87E-04	2.46E-04	3.59E-04	4.50E-04	6.45E-03	4.01E-02	2.65E-02
Slc1a2	8.02E-04	4.20E-03	2.88E-03	1.25E-02	4.79E-03	5.48E-02	3.94E-02
Slc1a3	8.69E-04	4.44E-03	1.63E-02	6.10E-03	2.67E-02	1.34E-02	5.84E-03
Slc1a4	5.68E-04	4.38E-03	1.64E-02	1.15E-02	3.57E-02	4.59E-03	2.38E-03
Slc1a6	2.89E-04	4.07E-05	7.35E-05	5.75E-04	4.38E-04	6.69E-03	2.85E-03
Slc29a4	7.11E-05	4.38E-04	4.58E-04	2.03E-03	3.56E-03	8.86E-03	3.71E-03
Slc2a1	1.08E-03	1.07E-02	4.04E-03	5.42E-03	1.31E-03	1.64E-02	1.38E-02
Slc32a1	9.33E-04	1.44E-04	7.78E-04	1.35E-03	1.30E-02	2.65E-02	1.25E-02
Slc40a1	2.74E-04	6.72E-03	4.97E-03	2.88E-03	8.25E-03	1.16E-02	4.29E-04
Slc5a1	5.84E-05	3.77E-05	4.26E-05	1.63E-04	2.54E-04	5.09E-03	1.24E-04
Slc6a1	3.21E-04	3.52E-04	4.85E-04	1.38E-02	5.19E-02	2.94E-02	1.25E-02
Slc6a11	4.71E-04	6.96E-04	1.68E-03	3.08E-02	7.66E-02	3.91E-02	3.54E-02
Slc6a13	1.66E-05	2.17E-03	8.78E-04	NaN	8.78E-04	5.05E-03	8.25E-04
Slc6a2	5.24E-04	1.80E-05	5.48E-05	1.19E-04	7.11E-05	2.12E-05	2.09E-05
Slc6a3	6.05E-04	1.96E-04	2.83E-04	1.13E-03	4.10E-04	3.21E-04	1.47E-04
Slc6a4	7.61E-04	4.13E-04	1.95E-04	4.69E-03	1.75E-02	1.55E-04	8.70E-05
Slc6a5	1.86E-04	4.52E-05	1.22E-04	2.83E-04	1.13E-04	1.57E-03	5.66E-04
Slc9a3r1	4.34E-04	NaN	1.83E-03	7.23E-04	NaN	3.23E-02	1.60E-02
Slc9a9	5.45E-04	5.57E-04	9.23E-05	7.17E-04	1.34E-03	8.08E-04	8.62E-04
Slit1	8.02E-04	1.45E-03	1.16E-03	4.89E-03	4.61E-03	2.17E-02	1.22E-02
Slit2	2.37E-02	2.79E-03	9.30E-04	7.96E-03	1.73E-02	3.37E-03	7.76E-04
Slit3	2.79E-03	2.92E-04	5.78E-05	2.35E-04	7.07E-04	1.08E-02	5.26E-03
Smad1	2.03E-03	1.94E-04	1.28E-03	7.18E-03	1.11E-02	1.07E-02	2.10E-03
Smad2	1.27E-03	1.65E-04	3.80E-05	1.43E-03	NaN	1.61E-03	3.07E-04
Smad3	6.32E-04	1.62E-04	5.59E-04	2.66E-04	4.18E-04	8.86E-04	2.57E-04
Smad4	2.22E-02	1.16E-02	1.68E-03	2.58E-03	2.80E-04	7.12E-03	1.44E-03
Smad5	2.64E-04	2.50E-04	1.66E-04	9.58E-04	6.99E-04	5.28E-04	1.41E-04
Smad6	1.54E-04	8.38E-04	2.79E-04	8.25E-04	8.65E-05	6.75E-04	1.09E-03
Smad7	9.59E-04	5.04E-05	1.20E-04	1.98E-03	1.12E-03	1.62E-02	7.90E-03
Smad9	4.64E-05	5.16E-05	2.79E-05	2.01E-04	5.83E-05	2.64E-05	1.69E-05
Smarce1	1.75E-02	2.46E-03	1.93E-03	2.31E-03	1.15E-03	1.90E-02	6.31E-03
Smo	2.52E-04	9.25E-04	1.76E-04	2.00E-03	3.92E-04	5.04E-04	1.47E-04
Smoc2	4.02E-05	4.53E-05	2.66E-05	9.28E-04	4.75E-04	1.61E-03	8.65E-04
Snca	5.89E-03	6.41E-04	2.40E-03	2.41E-02	4.56E-02	5.43E-02	5.34E-02
Sncg	3.58E-04	3.80E-03	7.87E-04	2.56E-03	1.07E-03	3.52E-03	3.50E-03
Snf8	3.44E-03	2.29E-04	2.86E-04	1.87E-03	1.49E-03	1.02E-02	1.32E-02
Sntb1	3.83E-04	5.35E-05	1.24E-04	2.20E-04	1.48E-04	7.02E-04	2.64E-03
Sohlh2	1.04E-04	1.83E-04	1.10E-04	7.16E-05	6.54E-05	2.82E-04	9.51E-04
Sorbs1	1.63E-03	2.95E-03	1.00E-03	1.23E-03	8.41E-03	1.81E-02	1.98E-02
Sorl1	1.31E-03	7.70E-04	6.08E-04	1.37E-03	3.14E-03	2.52E-02	2.32E-02
Sort1	2.38E-04	6.23E-04	7.11E-05	8.86E-04	7.88E-03	1.31E-02	1.52E-02
Sostdc1	1.34E-03	7.06E-04	6.38E-03	5.34E-03	1.19E-03	2.53E-03	3.71E-03
Sox10	1.65E-04	3.10E-05	7.03E-05	3.21E-03	9.99E-04	3.95E-02	4.32E-02
Sox11	3.69E-02	3.90E-03	3.02E-03	7.72E-03	4.22E-03	4.57E-03	1.36E-04
Sox12	1.75E-02	3.17E-03	1.65E-02	1.60E-02	4.87E-02	1.24E-02	2.63E-02

Sox13	5.25E-04	1.63E-03	2.37E-03	3.18E-03	7.98E-03	6.19E-03	2.77E-03
Sox14	1.36E-03	3.54E-03	1.60E-03	8.97E-04	1.41E-03	3.47E-03	2.46E-04
Sox15	2.83E-02	3.57E-02	NaN	NaN	NaN	5.32E-02	NaN
Sox17	4.00E-04	2.56E-04	8.37E-04	2.26E-04	4.35E-04	2.57E-03	2.00E-04
Sox18	2.94E-03	2.76E-04	1.51E-03	1.23E-03	4.21E-03	7.86E-03	6.97E-04
Sox2	6.15E-02	5.37E-02	5.33E-02	3.24E-02	1.94E-02	2.42E-02	3.34E-02
Sox21	1.72E-03	3.27E-04	4.96E-05	1.06E-03	3.72E-04	3.95E-02	4.32E-02
Sox3	2.10E-02	1.76E-02	1.03E-03	4.83E-05	9.11E-04	NaN	3.03E-03
Sox30	1.40E-04	9.70E-05	5.39E-05	1.06E-04	9.16E-05	5.45E-04	4.42E-03
Sox4	2.73E-02	2.93E-02	3.30E-02	6.62E-04	2.21E-02	1.17E-02	2.46E-03
Sox5	1.95E-03	3.31E-03	7.20E-03	4.10E-03	4.00E-02	1.10E-02	1.56E-02
Sox6	9.66E-04	2.40E-03	6.86E-04	7.83E-04	1.24E-04	1.11E-02	6.24E-04
Sox7	4.20E-04	2.00E-03	3.28E-05	6.79E-04	1.05E-04	NaN	5.60E-04
Sox8	9.61E-05	5.19E-04	2.32E-04	2.47E-03	3.48E-03	4.05E-02	2.76E-02
Sox9	7.74E-04	1.89E-03	4.96E-04	2.31E-03	3.06E-04	1.21E-04	6.76E-05
Sp3	1.68E-02	7.07E-03	4.90E-03	3.79E-04	1.02E-02	7.65E-03	7.89E-03
Sp8	4.32E-04	1.38E-03	3.65E-04	1.81E-04	5.45E-04	9.55E-04	1.24E-04
Sparc	2.36E-02	2.21E-02	2.90E-02	2.92E-02	3.68E-02	3.10E-02	2.20E-02
Spdef	6.76E-05	6.81E-04	6.10E-05	8.36E-04	4.34E-04	1.03E-03	2.78E-04
Spen	2.18E-03	1.31E-03	1.61E-03	7.89E-03	1.23E-02	9.86E-03	4.27E-03
Spib	3.45E-04	1.17E-04	2.53E-04	1.68E-04	2.19E-04	1.53E-02	1.85E-03
Spic	1.92E-04	3.51E-03	7.03E-05	2.03E-03	3.14E-03	1.02E-03	4.07E-04
Spint2	2.88E-04	2.13E-03	1.44E-03	1.09E-03	3.15E-02	1.03E-02	5.80E-03
Spnb4	1.25E-05	3.37E-04	1.63E-02	1.54E-02	5.00E-02	6.25E-02	5.40E-02
Spp1	3.39E-04	3.83E-04	1.92E-04	1.23E-03	2.68E-03	6.62E-03	3.12E-03
Srd5a1	3.73E-04	8.55E-05	1.36E-05	5.02E-05	1.19E-04	3.94E-05	1.38E-04
Srebf1	7.15E-05	4.65E-04	NaN	9.77E-04	1.75E-03	8.31E-04	2.90E-03
Srebf2	5.70E-03	4.17E-03	3.60E-03	2.98E-03	1.41E-02	1.21E-02	6.72E-03
Srf	5.80E-04	1.94E-03	6.27E-05	4.52E-04	3.35E-03	5.37E-03	2.94E-03
Srpk2	6.80E-04	4.01E-04	3.29E-04	2.69E-03	2.00E-03	2.20E-02	2.29E-02
Sry	5.32E-03	1.05E-02	1.00E-02	6.40E-03	3.99E-03	2.04E-02	2.52E-02
Ss18l1	1.35E-03	4.83E-03	5.72E-03	1.26E-02	7.06E-03	7.91E-03	1.34E-02
Ssrp1	7.94E-02	2.77E-02	9.88E-03	6.07E-03	3.20E-02	2.69E-02	2.05E-02
Sst	1.32E-03	1.38E-03	8.02E-03	2.64E-03	7.89E-03	1.14E-02	7.12E-03
Sstr1	6.05E-05	6.59E-05	8.84E-04	2.74E-04	9.59E-04	1.48E-04	2.19E-04
Sstr2	4.35E-05	1.26E-03	2.69E-04	5.24E-05	2.68E-04	4.01E-04	1.65E-04
Sstr3	1.43E-04	2.09E-05	2.49E-05	9.85E-05	9.08E-05	6.07E-05	8.45E-05
Sstr4	5.45E-04	2.38E-04	7.04E-05	6.03E-04	1.08E-03	1.77E-03	4.15E-04
St18	1.30E-03	1.05E-04	1.02E-04	2.17E-04	3.20E-04	1.10E-04	9.58E-04
St7	1.22E-04	4.44E-03	7.34E-03	1.26E-03	2.50E-02	1.43E-02	2.01E-02
Stard5	1.83E-04	7.07E-05	NaN	2.99E-04	1.03E-03	1.17E-03	7.53E-04
Stat1	9.71E-04	1.53E-04	1.99E-04	1.28E-03	1.19E-03	4.20E-03	1.05E-02
Stat3	9.47E-04	2.62E-04	5.00E-04	6.60E-04	2.41E-03	9.11E-03	6.97E-03
Stat4	3.06E-04	4.92E-05	6.58E-05	2.01E-04	1.27E-04	1.23E-03	2.32E-04
Stat5a	1.38E-04	1.11E-04	8.68E-05	2.85E-04	1.90E-04	NaN	4.71E-05
Stat5b	5.36E-04	1.62E-03	4.31E-05	3.91E-04	1.42E-03	NaN	4.84E-03
Steap4	2.66E-04	2.46E-05	4.79E-05	1.06E-04	1.62E-04	2.85E-04	3.11E-05
Stx1a	4.31E-04	7.90E-04	3.09E-02	4.28E-02	6.30E-02	5.67E-02	9.95E-03
Stx3	2.26E-04	1.54E-05	2.82E-04	2.27E-04	2.18E-02	6.15E-03	2.20E-03
Stxbp6	1.17E-03	2.21E-04	1.94E-03	9.94E-03	2.74E-02	3.34E-02	2.44E-02
Styk1	2.72E-05	2.81E-05	5.34E-05	1.80E-04	1.26E-03	7.66E-05	2.43E-04
Syn1	1.89E-03	9.71E-04	1.78E-04	9.37E-03	2.24E-02	5.45E-02	7.38E-02
Synpr	9.09E-05	3.00E-04	3.20E-04	1.20E-03	1.61E-03	1.41E-02	1.12E-02
Syt1	1.47E-03	1.41E-02	3.82E-02	7.30E-02	1.15E-01	1.47E-01	1.17E-01
Syt10	4.22E-04	2.07E-04	7.77E-04	3.02E-03	1.94E-03	9.24E-03	3.24E-03
Tac1	9.89E-04	1.45E-03	1.10E-03	2.59E-03	3.04E-03	3.96E-03	2.40E-03
Tac2	3.92E-04	3.69E-05	7.76E-05	6.04E-05	1.46E-04	5.04E-03	4.85E-03
Tacr1	9.50E-05	6.06E-05	2.74E-05	1.31E-04	3.14E-04	1.97E-03	2.66E-04

Tacr2	1.70E-04	4.13E-05	7.61E-05	9.84E-05	3.58E-04	1.60E-04	2.04E-05
Tacr3	2.85E-05	7.79E-05	3.72E-05	3.82E-03	2.37E-03	3.01E-03	1.09E-03
Taf13	3.10E-03	1.62E-04	4.45E-05	NaN	1.93E-04	9.13E-04	4.06E-04
Taf6	2.07E-03	6.91E-04	3.93E-04	NaN	5.57E-04	4.85E-03	2.72E-03
Taf7	1.43E-03	5.18E-04	NaN	7.11E-04	4.62E-04	5.17E-03	6.53E-03
Taf9	5.26E-02	1.11E-02	1.08E-02	1.09E-02	2.97E-02	8.03E-03	4.31E-03
Tagln2	3.70E-03	2.65E-03	1.90E-03	2.97E-04	2.01E-03	1.81E-03	4.93E-05
Tal1	5.00E-03	6.06E-03	3.53E-03	6.90E-04	1.53E-03	7.08E-04	1.23E-03
Tal2	8.31E-03	4.35E-03	6.88E-04	6.20E-04	1.30E-03	9.44E-04	3.59E-04
Tbr1	5.43E-04	2.11E-02	1.42E-02	2.81E-03	9.20E-04	5.49E-03	6.57E-04
Tbx15	1.67E-03	6.50E-04	6.58E-05	2.59E-04	3.66E-05	1.02E-04	1.51E-04
Tbx18	5.54E-03	4.00E-03	1.24E-03	1.55E-03	2.51E-04	4.63E-03	9.41E-04
Tbx2	2.89E-03	2.65E-03	6.71E-05	7.73E-04	3.19E-04	1.48E-02	1.08E-02
Tbx20	1.26E-03	1.01E-04	2.64E-04	4.00E-04	8.25E-05	2.34E-03	1.07E-03
Tbx21	5.11E-04	5.01E-05	2.01E-05	2.90E-04	6.78E-04	4.89E-03	1.91E-04
Tbx3	3.84E-03	4.72E-04	NaN	1.71E-04	NaN	1.63E-03	6.79E-05
Tcam1	3.37E-04	8.63E-05	1.68E-04	2.89E-04	1.02E-04	2.11E-04	1.61E-04
Tcf1	4.76E-03	1.41E-03	4.27E-04	3.58E-04	9.92E-04	2.72E-03	1.89E-03
Tcf12	2.37E-02	7.95E-03	1.30E-03	3.01E-03	7.35E-03	1.09E-02	7.26E-03
Tcf15	1.66E-04	4.67E-04	2.25E-04	2.14E-04	1.10E-04	3.52E-04	8.26E-05
Tcf2	1.30E-04	7.61E-05	6.34E-05	4.28E-05	4.37E-03	6.29E-04	2.83E-04
Tcf20	3.33E-02	1.30E-02	3.13E-03	1.81E-02	1.34E-02	2.99E-02	4.83E-02
Tcf21	2.85E-04	1.50E-04	1.52E-04	1.79E-04	1.32E-04	1.00E-04	8.22E-05
Tcf23	2.39E-04	8.30E-05	2.59E-05	1.35E-04	1.79E-04	3.48E-03	1.65E-04
Tcf3	3.08E-02	1.36E-02	1.13E-03	1.06E-03	3.06E-04	5.39E-03	2.95E-03
Tcf4	1.38E-01	1.08E-01	1.49E-01	8.17E-02	8.21E-02	8.36E-02	6.45E-02
Tcf7	5.06E-03	1.79E-03	5.63E-04	3.49E-04	2.54E-04	3.02E-03	1.44E-04
Tcf7l2	1.38E-01	1.73E-01	1.54E-01	8.44E-02	8.62E-02	8.73E-02	6.72E-02
Tcfap2a	5.36E-04	1.38E-04	1.81E-04	7.50E-04	1.02E-04	1.13E-03	7.85E-04
Tcfap2b	6.04E-04	2.25E-03	1.01E-03	1.04E-03	1.29E-03	1.61E-03	7.01E-04
Tcfap2c	2.52E-03	1.50E-04	6.80E-05	9.96E-05	3.16E-04	5.01E-04	1.75E-04
Tcfap2d	3.97E-04	7.94E-03	1.05E-03	2.23E-03	9.07E-04	2.06E-02	2.15E-03
Tcfap2e	4.84E-04	1.72E-04	1.09E-04	1.35E-04	6.72E-05	6.44E-05	7.36E-05
Tcfap4	3.17E-04	1.58E-04	2.81E-04	8.29E-04	5.28E-04	7.27E-03	7.46E-04
Tcfcp2	5.97E-04	1.04E-03	2.25E-02	2.56E-03	4.31E-02	5.20E-02	5.01E-02
Tcfe2a	3.27E-02	1.91E-02	1.45E-03	1.06E-03	3.81E-04	6.41E-03	2.07E-03
Tcfe3	2.11E-03	1.79E-04	5.05E-05	1.12E-04	2.04E-03	4.18E-03	3.13E-03
Tcfeb	5.41E-04	1.26E-04	1.46E-04	6.48E-05	NaN	9.84E-04	2.02E-03
Tcfec	4.43E-04	6.11E-05	8.14E-05	4.62E-05	9.52E-04	2.71E-05	1.31E-04
Tcfl5	4.51E-05	4.97E-05	7.60E-05	7.86E-05	8.23E-04	3.69E-05	4.48E-05
Tdgf1	1.39E-04	4.52E-05	3.44E-05	1.39E-04	9.35E-05	7.13E-05	2.57E-05
Tdo2	8.89E-05	1.87E-04	1.34E-04	6.93E-05	1.22E-04	1.20E-03	8.25E-04
Tead1	8.21E-03	2.71E-03	7.23E-04	7.85E-04	6.65E-04	NaN	8.84E-04
Tead2	7.15E-02	8.33E-03	1.63E-03	1.38E-04	2.12E-04	3.64E-05	1.31E-02
Tead3	7.04E-05	6.92E-04	8.98E-04	8.31E-05	NaN	2.83E-04	1.56E-03
Tef	3.03E-04	1.26E-03	9.88E-04	6.18E-04	2.91E-03	2.96E-02	4.01E-02
Tek	7.34E-03	6.19E-03	1.01E-03	3.10E-03	2.19E-03	5.18E-03	4.38E-04
Tert	5.85E-04	3.62E-04	1.14E-04	1.93E-04	NaN	1.42E-03	4.51E-04
Tfam	5.01E-03	2.09E-03	1.14E-03	5.24E-03	2.67E-04	1.26E-03	6.25E-03
Tfdp1	8.46E-03	5.59E-03	1.06E-04	2.87E-04	1.22E-03	1.66E-02	5.46E-03
Tfdp2	3.06E-02	7.03E-03	6.23E-03	2.40E-04	1.10E-02	2.66E-02	2.13E-03
Tgfa	NaN	1.81E-05	3.17E-05	6.32E-04	1.46E-03	3.88E-03	8.82E-04
Tgfb1	3.78E-03	6.49E-04	3.74E-04	1.46E-03	3.03E-04	7.03E-04	6.54E-05
Tgfb2	1.94E-04	7.90E-06	3.75E-04	3.80E-03	2.03E-03	6.13E-03	9.92E-04
Tgfb3	7.79E-05	7.04E-05	1.85E-03	1.14E-04	1.06E-04	4.45E-03	5.37E-04
Tgfbr1	6.77E-04	4.65E-03	1.59E-04	1.00E-04	1.62E-04	6.28E-04	8.33E-05
Tgfbr2	NaN	6.88E-05	1.38E-04	1.46E-03	6.59E-04	1.28E-03	3.88E-05
Tgfbr3	1.22E-02	1.09E-02	1.39E-02	5.32E-03	2.16E-02	3.66E-02	3.50E-02

Tgif	5.32E-04	4.20E-04	3.79E-05	8.93E-05	2.24E-04	2.09E-04	3.39E-04
Tgif2	9.60E-04	5.78E-03	3.10E-04	9.82E-05	6.24E-04	1.03E-04	1.50E-04
Tgifx1	3.91E-04	1.12E-04	3.79E-05	7.17E-05	2.64E-04	1.91E-04	3.68E-04
Tgm1	6.45E-05	4.47E-05	2.71E-05	8.27E-05	8.16E-05	3.04E-05	3.07E-05
Th	9.59E-05	9.40E-05	6.57E-04	1.98E-03	9.83E-04	1.07E-03	1.53E-03
Thbs3	1.64E-03	8.05E-03	1.22E-03	2.70E-02	8.54E-03	7.13E-03	2.39E-03
Thra	1.12E-03	7.70E-04	1.43E-03	9.98E-03	4.38E-03	3.74E-03	1.30E-03
Thrb	1.78E-04	3.66E-05	1.86E-04	1.12E-04	1.98E-03	1.93E-03	1.73E-03
Tiam1	2.65E-05	3.82E-04	5.03E-04	6.41E-03	1.18E-02	3.83E-02	2.40E-02
Tiam2	8.58E-05	2.85E-03	2.16E-03	1.23E-03	1.14E-03	8.29E-03	3.96E-03
Tie1	8.79E-03	1.67E-02	3.97E-03	3.51E-03	5.58E-04	1.33E-02	1.34E-03
Tigd5	3.72E-04	4.43E-05	3.40E-05	6.17E-05	5.77E-05	6.53E-04	1.87E-04
Titf1	8.47E-04	1.63E-02	2.66E-02	5.59E-02	6.16E-02	6.14E-02	5.48E-02
Tle1	1.54E-02	1.26E-02	6.18E-03	1.55E-02	1.12E-02	1.56E-02	7.33E-03
Tle3	2.08E-02	7.94E-03	3.80E-03	3.39E-03	3.46E-03	1.58E-02	3.40E-03
Tle4	1.17E-03	9.36E-04	2.27E-03	6.63E-03	2.02E-03	1.89E-03	1.18E-03
Tle6	1.47E-04	1.79E-04	2.67E-05	3.58E-04	2.47E-04	8.51E-04	1.59E-04
Tlr2	2.28E-04	1.01E-04	3.57E-05	1.10E-04	3.34E-04	1.14E-05	7.07E-05
Tlx1	6.00E-05	4.58E-05	5.68E-05	1.91E-04	3.89E-04	6.27E-05	2.48E-04
Tlx2	8.63E-04	7.77E-05	6.69E-05	6.05E-05	4.92E-05	5.06E-05	4.09E-04
Tlx3	7.59E-04	4.49E-03	3.95E-03	6.71E-03	1.58E-02	1.97E-02	1.46E-02
Tmem119	9.28E-04	3.46E-04	1.57E-04	1.12E-04	3.18E-04	2.79E-03	1.35E-03
Tnc	1.23E-03	2.51E-03	1.51E-02	2.74E-02	1.34E-02	1.49E-02	2.41E-03
Tnnc1	1.70E-04	1.12E-04	2.63E-05	1.86E-04	6.81E-04	6.58E-03	2.41E-03
Tnnt1	4.13E-05	5.32E-04	9.49E-04	3.80E-03	4.34E-03	4.52E-02	5.93E-02
Tnrc9	1.42E-03	1.34E-02	7.77E-03	4.10E-03	1.12E-02	1.17E-02	8.59E-03
Top1	8.42E-02	1.94E-02	7.44E-03	3.07E-03	2.74E-03	2.62E-03	1.83E-03
Tox	2.85E-04	4.14E-04	1.40E-03	1.07E-02	2.35E-03	6.92E-03	1.99E-03
Tpd52l1	6.64E-04	3.42E-04	1.56E-04	1.09E-03	8.18E-05	1.59E-03	2.58E-03
Tph1	1.79E-04	2.64E-04	4.61E-05	7.01E-05	1.30E-04	1.48E-04	7.09E-05
Tph2	2.20E-04	1.63E-05	2.85E-05	1.86E-04	2.33E-04	1.39E-03	2.08E-04
Trf	4.14E-04	6.41E-04	2.32E-04	9.99E-04	4.45E-04	2.38E-02	5.01E-02
Trh	1.06E-03	5.48E-05	9.06E-05	1.13E-03	1.06E-03	1.02E-02	2.10E-03
Trhr	9.98E-05	1.40E-05	3.73E-05	7.98E-05	1.03E-04	1.02E-04	4.80E-04
Trib2	1.48E-03	7.26E-04	2.03E-03	7.87E-03	8.65E-03	1.63E-02	4.66E-03
Trim28	9.79E-02	3.44E-02	1.18E-02	3.56E-02	2.42E-02	5.62E-02	4.16E-02
Trim36	1.14E-03	1.20E-03	2.24E-04	4.03E-03	NaN	3.79E-03	1.50E-03
Trim66	1.10E-04	8.03E-05	1.33E-04	5.67E-04	NaN	2.25E-02	1.40E-02
Trp53	7.52E-03	1.59E-02	7.38E-03	2.27E-02	1.80E-02	2.65E-02	1.97E-02
Trp53i11	6.84E-03	1.80E-02	9.58E-03	2.98E-02	2.22E-02	3.20E-02	2.15E-02
Trp63	2.92E-04	9.21E-06	4.88E-05	4.89E-04	2.38E-04	1.79E-04	1.63E-04
Trp73	8.36E-03	1.23E-02	3.17E-03	1.04E-03	9.52E-04	NaN	9.06E-04
Trpc4	4.76E-04	1.27E-04	8.54E-04	2.61E-03	1.72E-03	3.31E-03	1.75E-03
Trpc5	1.73E-03	1.75E-04	NaN	2.91E-04	4.08E-03	1.36E-03	1.24E-03
Trpc6	3.97E-03	1.67E-04	9.81E-05	3.24E-04	3.05E-04	3.60E-04	1.51E-03
Trps1	7.14E-03	1.73E-03	3.03E-03	2.30E-03	3.26E-03	1.35E-02	2.71E-02
Trpv1	1.34E-04	2.29E-04	4.35E-05	6.42E-05	2.26E-04	1.77E-04	9.53E-05
Trpv4	5.52E-05	7.51E-05	2.47E-04	1.45E-04	2.79E-04	3.25E-04	1.99E-04
Tsc1	1.60E-03	1.69E-03	3.67E-03	3.14E-04	1.42E-02	1.09E-02	1.07E-02
Tsc2	6.58E-04	5.04E-05	6.10E-04	1.09E-02	9.75E-03	1.31E-02	9.81E-03
Tsc22d1	1.03E-01	3.21E-02	2.41E-02	4.62E-02	3.80E-02	5.92E-02	2.39E-02
Tsc22d3	1.17E-04	7.43E-05	1.39E-04	8.93E-05	2.53E-04	2.12E-03	2.19E-03
Tsc22d4	3.98E-03	3.04E-03	1.21E-03	1.49E-03	1.29E-02	1.15E-02	1.94E-02
Tshz1	3.29E-03	3.40E-03	2.01E-02	2.15E-02	1.57E-02	2.33E-02	2.84E-02
Tspan31	2.76E-04	5.37E-05	6.55E-05	6.50E-05	1.88E-04	1.63E-03	5.03E-05
Ttr	1.02E-03	1.82E-02	3.61E-02	1.66E-02	8.05E-03	1.07E-02	6.18E-03
Ttyh1	1.43E-03	4.58E-02	1.65E-02	3.84E-02	3.56E-02	6.34E-02	5.14E-02
Tubb3	4.92E-02	3.74E-02	4.11E-02	5.97E-02	9.42E-02	9.04E-02	6.69E-02

Twist1	9.90E-04	9.23E-05	1.42E-04	1.98E-04	4.74E-05	1.41E-05	1.30E-04
Twist2	8.14E-04	4.77E-04	9.31E-05	9.78E-05	7.25E-05	1.37E-03	3.14E-04
Tyro3	1.67E-03	4.40E-04	8.17E-04	1.29E-03	3.64E-02	1.95E-02	1.19E-02
Ube3a	3.58E-03	3.00E-03	1.71E-03	2.51E-04	1.45E-02	3.96E-04	1.16E-03
Ubtf	4.91E-02	4.70E-03	6.04E-03	1.29E-02	2.80E-02	3.43E-02	5.53E-02
Ucn	1.12E-04	6.34E-05	3.84E-05	7.12E-05	1.72E-04	1.87E-04	2.82E-03
Ucn3	2.09E-04	4.68E-05	4.92E-05	1.73E-04	1.87E-04	6.28E-05	4.03E-05
Unc5a	9.52E-05	2.19E-04	3.95E-04	2.47E-03	NaN	1.17E-02	4.76E-03
Unc5b	1.10E-03	4.24E-04	4.74E-03	4.25E-03	3.22E-03	1.35E-02	9.30E-03
Unc5c	8.46E-04	8.63E-04	5.48E-04	5.59E-04	2.27E-03	1.26E-02	4.33E-03
Unc5d	5.41E-04	4.90E-04	1.37E-03	1.31E-03	2.78E-03	4.76E-03	3.58E-03
Uncx4.1	7.28E-05	5.32E-05	5.41E-05	6.13E-04	1.68E-04	4.64E-05	1.04E-04
Usf1	6.44E-03	1.34E-02	1.38E-02	9.96E-03	5.55E-03	3.64E-02	2.07E-02
Usf2	8.32E-03	1.05E-02	1.31E-02	1.03E-02	1.27E-02	2.84E-02	2.86E-02
Vamp1	4.04E-04	2.46E-04	1.17E-03	9.57E-04	7.22E-03	4.42E-02	4.93E-02
Vasp	4.82E-03	5.00E-03	2.81E-03	8.29E-03	1.99E-02	3.69E-03	1.10E-03
Vat1	4.35E-03	2.60E-03	9.30E-05	1.20E-02	1.90E-02	2.18E-02	4.87E-03
Vav2	1.63E-03	2.04E-04	1.09E-03	7.45E-03	3.94E-04	2.27E-03	9.88E-04
Vax1	1.18E-04	3.55E-04	1.17E-04	1.54E-04	1.18E-04	2.42E-04	1.50E-04
Vax2	9.69E-04	7.27E-05	1.95E-04	4.62E-05	5.03E-04	8.35E-05	4.81E-04
Vdr	6.88E-04	5.89E-05	8.53E-05	5.34E-05	1.40E-03	3.60E-03	1.90E-03
Vegfa	4.21E-04	3.28E-03	9.45E-03	2.22E-02	2.70E-02	7.57E-03	1.16E-02
Vegfb	1.37E-03	3.27E-04	1.58E-04	6.32E-04	1.58E-04	7.08E-03	1.64E-03
Vegfc	3.90E-04	5.46E-04	2.57E-04	1.45E-03	3.53E-03	NaN	NaN
Vgf	NaN	NaN	4.89E-04	1.54E-02	6.80E-02	7.67E-02	6.18E-02
Vip	1.23E-04	6.00E-05	6.53E-05	4.02E-04	2.89E-04	2.75E-04	4.23E-04
Vipr1	5.03E-05	6.49E-05	6.75E-05	1.83E-04	1.79E-04	9.22E-05	2.52E-04
Vipr2	3.82E-04	6.95E-05	1.15E-04	8.12E-05	8.43E-04	1.14E-02	8.39E-03
Vsx1	2.78E-04	2.22E-04	9.71E-05	1.17E-04	1.34E-04	5.02E-04	1.57E-04
Wdhd1	1.13E-03	1.88E-03	NaN	2.49E-04	7.54E-04	NaN	4.43E-04
Wdr12	4.04E-04	5.16E-05	4.22E-05	7.46E-05	2.19E-04	3.03E-03	1.05E-03
Wdr68	3.33E-03	1.80E-03	3.31E-03	1.24E-03	1.91E-02	1.36E-02	4.78E-03
Wfs1	5.84E-05	2.04E-05	2.57E-05	9.32E-05	2.25E-04	1.31E-03	1.67E-03
Whrn	1.48E-03	8.44E-04	5.17E-04	3.81E-03	2.42E-03	1.00E-02	6.35E-03
Whsc1	3.78E-02	1.33E-02	2.05E-03	2.08E-03	2.26E-02	6.10E-04	5.11E-04
Wif1	2.01E-04	2.26E-04	1.27E-03	2.12E-03	3.27E-03	2.26E-03	9.85E-04
Wisp1	7.79E-04	1.55E-04	5.52E-05	4.19E-05	5.07E-05	7.55E-05	7.04E-05
Wnt1	1.23E-03	1.55E-04	3.92E-03	1.03E-02	1.90E-02	2.98E-02	1.29E-02
Wnt10a	5.76E-05	9.97E-05	4.53E-06	1.27E-04	3.61E-05	8.47E-04	3.08E-04
Wnt10b	5.83E-05	4.66E-05	1.72E-05	6.96E-05	1.51E-04	3.35E-04	1.10E-04
Wnt11	1.33E-05	3.06E-05	1.10E-04	5.77E-04	2.57E-04	4.10E-05	4.22E-04
Wnt16	3.43E-05	8.90E-05	4.23E-05	2.43E-04	1.56E-04	4.59E-04	2.23E-04
Wnt2	4.07E-04	1.19E-04	4.54E-05	2.71E-04	1.21E-03	2.61E-04	3.84E-05
Wnt2b	2.26E-03	4.84E-03	7.43E-04	8.93E-04	1.06E-04	5.41E-04	9.25E-04
Wnt3	2.70E-03	8.02E-05	6.24E-04	4.66E-04	2.34E-03	1.03E-02	2.76E-03
Wnt3a	4.76E-03	1.48E-03	3.91E-04	2.51E-04	1.18E-04	6.02E-05	6.77E-05
Wnt4	1.20E-03	2.46E-04	5.60E-04	5.42E-03	3.28E-03	1.67E-02	7.15E-03
Wnt5a	1.55E-03	5.78E-04	2.01E-04	7.98E-04	NaN	1.61E-03	8.06E-04
Wnt5b	1.35E-03	5.17E-04	3.36E-05	1.82E-04	6.12E-04	5.15E-04	1.05E-04
Wnt6	7.05E-04	3.21E-04	2.03E-04	3.04E-04	1.67E-04	4.59E-04	NaN
Wnt7a	1.38E-03	3.05E-03	6.14E-04	1.45E-03	NaN	1.38E-03	2.00E-03
Wnt7b	5.45E-03	9.54E-03	1.60E-03	1.01E-03	1.62E-02	2.33E-03	1.24E-03
Wnt8a	5.64E-04	1.53E-04	6.26E-04	1.08E-03	NaN	1.67E-03	1.78E-03
Wnt8b	4.97E-02	4.76E-03	7.77E-04	2.43E-04	1.75E-04	1.74E-05	2.85E-04
Wnt9a	1.81E-03	3.21E-03	5.63E-03	2.65E-03	NaN	3.33E-03	5.04E-03
Wnt9b	7.84E-05	2.71E-04	1.08E-04	1.29E-03	4.73E-04	8.43E-03	4.38E-03
Wwtr1	4.88E-03	1.23E-03	5.10E-03	9.47E-04	2.19E-03	7.97E-03	4.89E-04
Xbp1	2.07E-03	8.96E-03	1.33E-02	2.28E-02	2.90E-02	5.21E-02	4.46E-02

Xpnpep2	4.60E-04	2.51E-05	1.47E-04	2.67E-03	1.32E-04	8.90E-04	4.90E-05
Zbtb16	1.56E-03	2.24E-04	4.15E-04	5.32E-03	1.09E-03	3.70E-03	2.39E-03
Zbtb20	2.18E-04	1.12E-03	1.41E-02	1.85E-02	5.25E-03	1.82E-02	1.18E-02
Zbtb33	2.31E-04	6.99E-05	1.51E-04	9.09E-04	2.39E-04	3.68E-05	8.18E-05
Zbtb7a	NaN	NaN	NaN	1.54E-03	9.22E-04	3.30E-02	3.91E-02
Zdhhc2	5.35E-04	9.19E-05	6.54E-04	9.35E-03	1.76E-02	1.10E-02	9.35E-04
Zfhx1a	6.28E-03	9.78E-03	4.73E-03	2.37E-03	1.04E-03	7.14E-03	4.09E-03
Zfhx1b	2.56E-02	2.86E-02	1.67E-02	1.16E-02	9.27E-03	2.54E-02	2.81E-02
Zfhx2	1.58E-03	9.73E-03	9.18E-03	8.00E-04	1.78E-03	1.03E-02	3.77E-03
Zfhx4	6.62E-03	9.11E-03	7.47E-03	4.10E-03	2.47E-03	8.64E-04	1.27E-03
Zfp189	9.41E-04	8.05E-05	5.87E-05	1.11E-04	7.84E-05	7.44E-04	3.40E-04
Zfp191	8.65E-03	3.29E-03	1.17E-03	9.32E-04	8.60E-03	8.13E-03	6.98E-03
Zfp192	8.77E-04	4.37E-05	1.98E-05	1.02E-04	9.69E-05	1.62E-04	8.61E-04
Zfp207	4.32E-02	2.47E-02	2.95E-02	5.82E-02	5.22E-02	3.45E-02	5.21E-02
Zfp263	2.70E-04	8.25E-05	2.49E-05	1.05E-04	1.27E-04	1.62E-03	3.02E-03
Zfp445	4.29E-03	6.32E-03	8.46E-03	3.19E-02	9.26E-03	NaN	5.05E-02
Zfp488	8.47E-04	3.27E-04	2.98E-05	5.55E-04	6.05E-04	1.75E-02	4.39E-03
Zfp508	6.21E-04	3.65E-03	8.52E-04	NaN	8.14E-03	9.79E-03	6.19E-03
Zfp535	1.27E-03	6.05E-04	3.49E-04	2.72E-04	9.15E-04	6.10E-03	7.25E-03
Zfpm2	1.79E-04	1.55E-03	1.10E-03	5.83E-04	1.61E-03	5.95E-03	2.32E-03
Zhx1	1.47E-03	3.64E-04	1.13E-03	4.24E-03	1.55E-03	2.49E-03	8.77E-03
Zhx2	3.32E-03	1.83E-03	5.53E-03	7.19E-03	6.74E-03	3.60E-03	2.61E-03
Zhx3	7.89E-05	2.59E-04	7.19E-04	1.49E-03	7.73E-04	1.16E-03	2.58E-03
Zic1	1.95E-02	4.90E-02	3.18E-02	3.28E-02	2.80E-02	2.38E-02	3.56E-02
Zic2	2.55E-03	6.39E-03	9.54E-03	1.60E-04	2.94E-03	1.31E-03	6.44E-05
Zic3	1.44E-04	6.50E-04	1.49E-04	4.72E-04	1.34E-04	1.18E-04	1.60E-04
Zic4	2.79E-03	1.26E-04	5.94E-05	3.96E-04	1.93E-04	8.35E-05	1.34E-04
Zic5	9.83E-02	4.33E-02	7.15E-02	4.91E-02	4.34E-02	3.77E-02	2.44E-02
Zkscan1	7.21E-03	1.39E-03	2.11E-02	1.52E-04	7.38E-03	2.55E-02	1.19E-02
Zmat4	2.04E-03	3.40E-04	1.47E-04	1.59E-03	8.51E-03	4.97E-02	3.32E-02
mCG146432	3.83E-05	2.24E-03	9.58E-04	2.06E-04	8.15E-04	2.43E-03	6.40E-04