

Table S1 Gene Expressions by Microarray in the order of YTN16/YTN2 value

ProbeName	ytn2_signal	YTN2_flag	ytn3_signal	YTN3_flag	ytn5_signal	YTN5_flag	ytn16_signal	YTN16_flag	GeneSymbol	YTN16/YTN2	YTN5/YTN2	YTN16/YTN3	YTN5/YTN3
A_55_P2111	4.9	Not Detect	1559.5	Detected	11738.7	Detected	15756.3	Detected	Klhl13	3215.571429	2395.65306	10.1034306	7.5272203
A_52_P4472	2.8	Not Detect	33.6	Detected	1388	Detected	6256.3	Detected	Clic6	2234.392857	495.714286	186.199405	41.309524
A_51_P1139	4.8	Not Detect	386.7	Detected	48946.7	Detected	10159.5	Detected	Gkn2	2116.5625	10197.2292	26.2723041	126.57538
A_55_P2095	3.5	Not Detect	1648.1	Detected	554.5	Detected	6302.1	Detected	1600027J07Rik	1800.6	158.428571	3.82385778	0.336448
A_52_P5746	5.5	Not Detect	667	Detected	3722.7	Detected	8229.2	Detected	Nt5e	1496.218182	676.854545	12.3376312	5.5812594
A_51_P4875	2.9	Not Detect	763.6	Detected	3943.8	Detected	3455.7	Detected	Ccdc91	1191.62069	1359.93103	4.52553693	5.1647459
A_52_P2860	25.3	Detected	529.7	Detected	11507	Detected	25212.8	Detected	Epb4.114b	996.5533597	454.822134	47.5982632	21.723617
A_55_P2033	4.4	Not Detect	39.6	Detected	1172.5	Detected	4353.2	Detected	Crisp3	989.3636364	266.477273	109.929293	29.608586
A_51_P1043	3	Not Detect	865.4	Detected	3065.6	Detected	2811.6	Detected	Rpp25	937.2	1021.86667	3.24890224	3.5424081
A_55_P2089	37.3	Detected	4684.2	Detected	32893	Detected	32315.9	Detected	Fkbp10	866.3780161	881.849866	6.8989155	7.0221169
A_52_P5042	3.1	Not Detect	104.6	Detected	243.2	Detected	2405.6	Detected	B3galnt1	776	78.4516129	22.998088	2.3250478
A_51_P3043	32.8	Detected	256.6	Detected	4331.6	Detected	24654.4	Detected	Cpm	751.6585366	132.060976	96.08106	16.880748
A_51_P3354	2.9	Not Detect	492.2	Detected	67.9	Detected	2096.2	Detected	Scin	722.8275862	23.4137931	4.25883787	0.1379521
A_55_P2118	2.7	Not Detect	751.7	Detected	105.1	Detected	1522	Detected	Mgat4c	563.7037037	38.9259259	2.02474391	0.1398164
A_51_P2871	91.6	Detected	1675.2	Detected	116151.1	Detected	45832	Detected	Krt23	500.349345	1268.02511	27.3591213	69.335661
A_55_P2334	2.9	Not Detect	213.1	Detected	369.6	Detected	1307.3	Detected	9.13E+15	450.7931034	127.448276	6.13467855	1.734397
A_55_P2125	9.6	Not Detect	542.6	Detected	8.4	Not Detect	4262.1	Compromis	Gm5476	443.96875	0.875	7.85495761	0.015481
A_66_P1051	3	Not Detect	73.8	Detected	322.4	Detected	1263.6	Detected	Bche	421.2	107.466667	17.1219512	4.3685637
A_52_P3143	3	Not Detect	582	Detected	52.2	Detected	1263	Detected	Mgat4c	421	17.4	2.17010309	0.0896907
A_55_P2159	2.8	Not Detect	22.6	Detected	31.8	Detected	1066.7	Detected	Rnf186	380.9642857	11.3571429	47.199115	1.4070796
A_52_P2073	4.7	Not Detect	78.4	Detected	897.8	Detected	1709.6	Detected	Tmem246	363.7446809	191.021277	21.8061224	11.451531
A_55_P1997	18.3	Detected	359.2	Detected	3213.3	Detected	6575.1	Detected	Ctse	359.295082	175.590164	18.3048441	8.9457127
A_51_P3156	8.8	Not Detect	964.3	Detected	762.3	Detected	2311.5	Detected	Nid2	262.6704545	86.625	2.3970756	0.7905216
A_51_P5154	3.1	Not Detect	4.6	Not Detect	3.6	Not Detect	814	Detected	Olf15l1	262.5806452	1.16129032	176.956522	0.7826087
A_55_P2017	2.8	Not Detect	15.7	Not Detect	4.2	Not Detect	701.7	Detected	Gprc5c	250.6071429	1.5	44.6942675	0.2675159
A_52_P1951	2.7	Not Detect	3.1	Not Detect	3.2	Not Detect	667.3	Detected	Oosp1	247.1481481	1.18518519	215.258065	1.0322581
A_55_P2078	3.8	Not Detect	3.2	Not Detect	3.2	Not Detect	899.7	Detected	Cacna1b	236.7631579	0.84210526	281.15625	1
A_51_P1650	2.8	Not Detect	3.3	Not Detect	3.4	Not Detect	658.4	Detected	Pygo1	235.1428571	1.21428571	199.515152	1.030303
A_51_P4504	32.9	Detected	745.5	Detected	382.3	Detected	7391.6	Detected	Muc3	224.668693	11.6200608	9.91495641	0.5128102
A_55_P2086	8.9	Not Detect	114.6	Detected	38.8	Detected	1948.7	Detected	Fa2h	218.9550562	4.35955056	17.004363	0.3385689
A_51_P3751	2.8	Not Detect	26.5	Detected	12.2	Not Detect	609.5	Compromis	Cd36	217.6785714	4.35714286	23	0.4603774
A_55_P2054	3	Not Detect	3.6	Not Detect	3.6	Not Detect	644.6	Detected	Chst9	214.8666667	1.2	179.055556	1
A_55_P2029	2.7	Not Detect	93.3	Detected	6.9	Not Detect	577	Detected	Fry	213.7037037	2.55555556	6.18435155	0.073955
A_55_P2116	2.8	Not Detect	9.5	Not Detect	12.2	Not Detect	583.7	Detected	Gsc2	208.4642857	4.35714286	61.4421053	1.2842105
A_51_P1717	3.2	Not Detect	15.6	Not Detect	229.9	Detected	630.5	Detected	Bcl11b	197.03125	71.84375	40.4166667	14.737179
A_55_P1967	3	Not Detect	9.7	Not Detect	3.7	Not Detect	590.4	Detected	Gprn1	196.8	1.23333333	60.8659794	0.3814433
A_55_P1954	3.1	Not Detect	3.8	Not Detect	5.4	Not Detect	580.1	Detected	Ttc25	187.1290323	1.74193548	152.657895	1.4210526
A_51_P2821	2.8	Not Detect	20.5	Detected	51.1	Detected	483.6	Compromis	Adam23	172.7142857	18.25	23.5902439	2.4926829

A_55_P1981	2.8 Not Detect	3.2 Not Detect	3.3 Not Detect	469.8 Detected	Oosp2	167.7857143	1.17857143	146.8125	1.03125
A_51_P4732	3 Not Detect	1246.4 Detected	404.3 Detected	495 Detected	Tspan6	165	134.766667	0.39714377	0.3243742
A_55_P2018	11.3 Not Detect	18.5 Detected	10 Not Detect	1835.9 Compromis	Sowahb	162.4690265	0.88495575	99.2378378	0.5405405
A_55_P1965	174.6 Detected	2859.7 Detected	30763.9 Detected	28002.6 Detected	Atp9a	160.3814433	176.196449	9.79214603	10.757737
A_55_P2050	2.7 Not Detect	4.7 Not Detect	14.3 Not Detect	430.6 Detected	Gm2005	159.4814815	5.2962963	91.6170213	3.0425532
A_55_P1953	11.9 Not Detect	303.1 Detected	2830.9 Detected	1877.5 Detected	Vstm2l	157.7731092	237.890756	6.19432531	9.3398218
A_55_P2169	3 Not Detect	3.5 Not Detect	3.5 Not Detect	457 Detected	AI836003	152.3333333	1.16666667	130.571429	1
A_52_P4080	2.8 Not Detect	5.1 Not Detect	3.3 Not Detect	421 Detected	Mpped2	150.3571429	1.17857143	82.5490196	0.6470588
A_51_P1427	2.7 Not Detect	7.3 Not Detect	976.3 Detected	402.4 Detected	Sulf1	149.037037	361.592593	55.1232877	133.73973
A_55_P2125	3 Not Detect	3.6 Not Detect	18.4 Detected	446.7 Detected	Evx1	148.9	6.13333333	124.083333	5.1111111
A_55_P2345	3.3 Not Detect	9.9 Not Detect	15.2 Not Detect	479 Detected	4930458K08Rik	145.1515152	4.60606061	48.3838384	1.5353535
A_51_P4617	3 Not Detect	55.1 Detected	104.8 Detected	431.2 Detected	Ppp2r2c	143.7333333	34.9333333	7.82577132	1.9019964
A_55_P2124	3.5 Not Detect	264.4 Detected	35.4 Detected	499.5 Detected	Ces2c	142.7142857	10.1142857	1.88918306	0.133888
A_55_P2048	909.1 Detected	2935.7 Detected	10270.9 Detected	127556.4 Detected	Sprr2a2	140.3106369	11.297877	43.45008	3.4986204
A_55_P2374	2.8 Not Detect	3.2 Not Detect	3.3 Not Detect	380.9 Detected	A230001M10Rik	136.0357143	1.17857143	119.03125	1.03125
A_52_P1353	3.9 Not Detect	3.4 Not Detect	3.5 Not Detect	530.1 Detected	Vmn1r183	135.9230769	0.8974359	155.911765	1.0294118
A_55_P2184	2.8 Not Detect	3.3 Not Detect	3.3 Not Detect	372.5 Detected	2810011L19Rik	133.0357143	1.17857143	112.878788	1
A_51_P2741	20.7 Detected	220.9 Detected	407.7 Detected	2686.3 Compromis	Mansc1	129.7729469	19.6956522	12.1607062	1.8456315
A_52_P6707	3 Not Detect	58.5 Detected	27.4 Detected	388.5 Detected	Lypd8	129.5	9.13333333	6.64102564	0.4683761
A_55_P2091	11.3 Not Detect	53.5 Detected	5.7 Not Detect	1432.7 Detected	Sly	126.7876106	0.50442478	26.7794393	0.1065421
A_55_P2406	2.8 Not Detect	3.4 Not Detect	3.4 Not Detect	353.2 Detected	4930511J24Rik	126.1428571	1.21428571	103.882353	1
A_55_P2127	3.2 Not Detect	3.8 Not Detect	3.8 Not Detect	401.9 Detected	Pira2	125.59375	1.1875	105.763158	1
A_55_P1993	3.1 Not Detect	3.8 Not Detect	3.8 Not Detect	389.2 Detected	Gm5331	125.5483871	1.22580645	102.421053	1
A_55_P1977	45.3 Detected	58.9 Detected	33.7 Detected	5638.9 Detected	Folr1	124.4790287	0.74392936	95.7368421	0.5721562
A_52_P2993	4.1 Not Detect	781.4 Detected	849.2 Detected	505.1 Detected	Lclat1	123.195122	207.121951	0.64640389	1.0867673
A_52_P6272	2.9 Not Detect	164.8 Detected	15.6 Not Detect	351.9 Detected	Ces2b	121.3448276	5.37931034	2.13531553	0.0946602
A_55_P2120	69.3 Detected	849.5 Detected	12802.4 Detected	8393.1 Detected	Fgfr4	121.1125541	184.738817	9.88004709	15.070512
A_55_P1983	3 Not Detect	40 Detected	31.3 Detected	351.6 Detected	Prss52	117.2	10.4333333	8.79	0.7825
A_55_P2048	2.9 Not Detect	5.6 Not Detect	35.6 Detected	339.8 Detected	Sprr2a2	117.1724138	12.2758621	60.6785714	6.3571429
A_55_P2137	3.1 Not Detect	3.8 Not Detect	3.8 Not Detect	361.1 Detected	Gm10620	116.483871	1.22580645	95.0263158	1
A_55_P2048	3.1 Not Detect	3.6 Not Detect	3.6 Not Detect	359.9 Detected	Olf1294	116.0967742	1.16129032	99.9722222	1
A_66_P1195	3.1 Not Detect	5.3 Not Detect	3.2 Not Detect	358.1 Detected	Olf1607	115.516129	1.03225806	67.5660377	0.6037736
A_55_P1977	11.9 Not Detect	62.7 Detected	82.7 Detected	1341.6 Detected	Wdr65	112.7394958	6.94957983	21.3971292	1.3189793
A_55_P2117	3.5 Not Detect	3.5 Not Detect	3.5 Not Detect	392.1 Detected	Gm8098	112.0285714	1	112.028571	1
A_55_P2005	65.4 Detected	891 Detected	5153.3 Detected	7197.4 Detected	Celf2	110.0519878	78.7966361	8.07789001	5.7837262
A_55_P2034	38.5 Detected	1117.3 Detected	58.1 Detected	4228.1 Detected	Serp112	109.8207792	1.50909091	3.78421194	0.0520004
A_55_P2288	3 Not Detect	3.6 Not Detect	3.6 Not Detect	327.2 Detected	Gpr112	109.0666667	1.2	90.8888889	1
A_51_P1626	2.7 Not Detect	3 Not Detect	3.1 Not Detect	292.5 Detected	Folr2	108.3333333	1.14814815	97.5	1.0333333
A_52_P3989	3.1 Not Detect	3.2 Not Detect	3.3 Not Detect	335.7 Detected	Stfa211	108.2903226	1.06451613	104.90625	1.03125
A_51_P1824	26.9 Detected	336.4 Detected	2037.3 Detected	2880.6 Detected	Celf2	107.0855019	75.7360595	8.56302021	6.0561831

A_55_P2185	3 Not Detect	3.6 Not Detect	7.1 Not Detect	319.9 Detected	Slco1c1	106.6333333	2.36666667	88.8611111	1.9722222
A_55_P2092	4 Not Detect	3.8 Not Detect	3.8 Not Detect	425.9 Detected	Mptx1	106.475	0.95	112.078947	1
A_55_P2097	16.7 Detected	13.5 Not Detect	6.7 Not Detect	1776.1 Compromis	9030622O22Rik	106.3532934	0.4011976	131.562963	0.4962963
A_55_P2038	7.7 Not Detect	127.7 Detected	298.2 Detected	815.5 Detected	Cttnbp2	105.9090909	38.7272727	6.38606108	2.3351605
A_55_P2074	3 Not Detect	3.5 Not Detect	3.5 Not Detect	315.8 Detected	Gm10573	105.2666667	1.16666667	90.2285714	1
A_55_P2247	5.2 Not Detect	3.8 Not Detect	5.1 Not Detect	541.3 Detected	Izumo2	104.0961538	0.98076923	142.447368	1.3421053
A_51_P1467	12.1 Not Detect	31.7 Detected	3.6 Not Detect	1252 Compromis	Pcdhb20	103.4710744	0.29752066	39.4952681	0.1135647
A_51_P1536	40.6 Detected	3.6 Not Detect	2468.6 Detected	4134.6 Detected	Lrrc26	101.8374384	60.8029557	1148.5	685.72222
A_55_P2000	2.9 Not Detect	18.2 Detected	22.3 Detected	294.8 Detected	Nrip3	101.6551724	7.68965517	16.1978022	1.2252747
A_55_P2003	9.1 Not Detect	150.5 Detected	796.8 Detected	923.4 Detected	Igsf5	101.4725275	87.5604396	6.13554817	5.2943522
A_55_P1980	3 Not Detect	3.6 Not Detect	7.2 Not Detect	300.3 Detected	Gm8359	100.1	2.4	83.4166667	2
A_55_P2221	9.8 Not Detect	11.8 Not Detect	6.1 Not Detect	970.4 Detected	A930030B08Rik	99.02040816	0.62244898	82.2372881	0.5169492
A_55_P2038	3 Not Detect	3.6 Not Detect	3.5 Not Detect	295.2 Detected	Prkd3	98.4	1.16666667	82	0.9722222
A_55_P2205	2.9 Not Detect	36 Detected	30.6 Detected	285.1 Detected	5830415G21Rik	98.31034483	10.5517241	7.91944444	0.85
A_55_P2147	2.7 Not Detect	5 Not Detect	3.1 Not Detect	264 Detected	Sytl4	97.7777778	1.14814815	52.8	0.62
A_51_P4878	2.8 Not Detect	3 Not Detect	3285.6 Detected	273.4 Detected	Fabp1	97.64285714	1173.42857	91.1333333	1095.2
A_55_P2026	4.5 Not Detect	43.5 Detected	30 Detected	437.9 Detected	Syne1	97.31111111	6.66666667	10.0666667	0.6896552
A_51_P1438	3.5 Not Detect	23.2 Detected	64.3 Detected	334.8 Detected	Steap4	95.65714286	18.3714286	14.4310345	2.7715517
A_55_P2115	3 Not Detect	15.3 Not Detect	3.7 Not Detect	282 Detected	Rbmy	94	1.23333333	18.4313725	0.2418301
A_55_P2003	32.7 Detected	571.1 Detected	2836.4 Detected	3028.4 Detected	Igsf5	92.6116208	86.7400612	5.30274908	4.9665558
A_52_P5124	16.3 Detected	362.4 Detected	431.1 Detected	1508.1 Detected	2510049J12Rik	92.52147239	26.4478528	4.16142384	1.1895695
A_55_P2090	2.9 Not Detect	7.4 Not Detect	155.9 Detected	267.7 Detected	Gm5126	92.31034483	53.7586207	36.1756757	21.067568
A_55_P2075	34.1 Detected	300 Detected	148.4 Detected	3087 Detected	Muc3	90.52785924	4.35190616	10.29	0.4946667
A_65_P1101	29.2 Detected	48.8 Detected	748 Detected	2616.4 Detected	Gcnt3	89.60273973	25.6164384	53.6147541	15.327869
A_55_P1965	3.7 Not Detect	3.6 Not Detect	5.8 Not Detect	328.3 Detected	Olf354	88.72972973	1.56756757	91.1944444	1.6111111
A_51_P4823	2.6 Not Detect	2.9 Not Detect	3.5 Not Detect	227.6 Detected	Vmn1r210	87.53846154	1.34615385	78.4827586	1.2068966
A_51_P2971	20 Detected	169.3 Detected	2085.3 Detected	1739.7 Detected	Ucp2	86.985	104.265	10.2758417	12.317188
A_51_P2925	2.9 Not Detect	3.4 Not Detect	5.1 Not Detect	251.7 Detected	Chdh	86.79310345	1.75862069	74.0294118	1.5
A_52_P3792	44.1 Detected	1387.3 Detected	2975.4 Detected	3826.3 Detected	Enpp3	86.76417234	67.4693878	2.75809126	2.1447416
A_52_P6538	3 Not Detect	5.1 Not Detect	19 Detected	259.6 Detected	Keg1	86.53333333	6.33333333	50.9019608	3.7254902
A_51_P3637	32.7 Detected	594 Detected	480.1 Detected	2781.4 Detected	Irf6	85.05810398	14.6819572	4.68249158	0.8082492
A_55_P2031	3 Not Detect	3.7 Not Detect	3.7 Not Detect	252.8 Detected	Npas3	84.26666667	1.23333333	68.3243243	1
A_55_P2262	3 Not Detect	3.4 Not Detect	3.4 Not Detect	251.8 Detected	4930429F24Rik	83.93333333	1.13333333	74.0588235	1
A_55_P2145	3.1 Not Detect	3.8 Not Detect	3.7 Not Detect	258.8 Detected	Krt84	83.48387097	1.19354839	68.1052632	0.9736842
A_66_P1308	2.7 Not Detect	3.1 Not Detect	3.1 Not Detect	225 Detected	4930567H17Rik	83.33333333	1.14814815	72.5806452	1
A_55_P1989	3.2 Not Detect	247.8 Detected	764.3 Detected	266.1 Detected	Ly9	83.15625	238.84375	1.07384988	3.0843422
A_55_P1978	3 Not Detect	3.4 Not Detect	3.5 Not Detect	247.8 Detected	AF251705	82.6	1.16666667	72.8823529	1.0294118
A_55_P1975	16.1 Detected	19.4 Detected	17.5 Detected	1321.6 Detected	Gm20736	82.08695652	1.08695652	68.1237113	0.9020619
A_55_P2167	2.8 Not Detect	3.3 Not Detect	3.3 Not Detect	227.7 Detected	Scgb1b24	81.32142857	1.17857143	69	1
A_66_P1082	23.3 Detected	207.5 Detected	2354.7 Detected	1881.9 Detected	Ucp3	80.76824034	101.060086	9.06939759	11.347952

A_55_P1981	3 Not Detect	4.1 Not Detect	3.6 Not Detect	238.5 Detected	Gm20795	79.5	1.2	58.1707317	0.8780488
A_52_P2829	2.8 Not Detect	3.3 Not Detect	3.3 Not Detect	221.7 Detected	Ces1b	79.17857143	1.17857143	67.1818182	1
A_55_P2149	2.7 Not Detect	3 Not Detect	3.1 Not Detect	212.1 Detected	Gm6978	78.55555556	1.14814815	70.7	1.0333333
A_51_P5110	2.7 Not Detect	57.9 Detected	3.1 Not Detect	210.9 Detected	Fzd9	78.11111111	1.14814815	3.64248705	0.0535406
A_51_P3031	8.7 Not Detect	178.3 Detected	151 Detected	676.6 Detected	Arg1	77.77011494	17.3563218	3.79472799	0.8468873
A_65_P1019	101.1 Detected	1239.3 Detected	273.1 Detected	7828.8 Detected	Myl7	77.43620178	2.70128586	6.3171145	0.2203663
A_52_P1915	5.1 Not Detect	15.8 Detected	217.1 Detected	394.4 Detected	Plcl1	77.33333333	42.5686275	24.9620253	13.740506
A_55_P2037	2.8 Not Detect	3.3 Not Detect	3.3 Not Detect	214.7 Detected	1190003K10Rik	76.67857143	1.17857143	65.0606061	1
A_55_P2033	2.9 Not Detect	3.4 Not Detect	7.6 Not Detect	222.3 Detected	Olf1335	76.65517241	2.62068966	65.3823529	2.2352941
A_52_P3197	2.9 Not Detect	3.5 Not Detect	3.5 Not Detect	222.3 Detected	Kcnp4	76.65517241	1.20689655	63.5142857	1
A_52_P5265	4.1 Not Detect	3.4 Not Detect	3.5 Not Detect	311.6 Detected	E230016M11Rik	76	0.85365854	91.6470588	1.0294118
A_52_P5384	12.1 Not Detect	149.5 Detected	894.3 Detected	909 Detected	Spats2l	75.12396694	73.9090909	6.08026756	5.9819398
A_51_P2774	3.1 Not Detect	23.8 Detected	3.7 Not Detect	232.7 Detected	Ccdc3	75.06451613	1.19354839	9.77731092	0.1554622
A_55_P1961	46.9 Detected	55.4 Detected	1150.9 Detected	3458.4 Detected	Otop3	73.73987207	24.5394456	62.4259928	20.774368
A_55_P2052	6.9 Not Detect	59.6 Detected	441.8 Detected	505.7 Detected	Ly6g6d	73.28985507	64.0289855	8.48489933	7.4127517
A_55_P2064	3 Not Detect	3.6 Not Detect	3.6 Not Detect	219.6 Detected	Acvr1c	73.2	1.2	61	1
A_66_P1350	3.1 Not Detect	7.1 Not Detect	3.7 Not Detect	224.8 Detected	Tex21	72.51612903	1.19354839	31.6619718	0.5211268
A_52_P2882	2.8 Not Detect	3.2 Not Detect	3.3 Not Detect	201.8 Detected	Mrgprb1	72.07142857	1.17857143	63.0625	1.03125
A_52_P6484	2.7 Not Detect	3.1 Not Detect	3.9 Not Detect	193.4 Detected	Tex13	71.62962963	1.44444444	62.3870968	1.2580645
A_51_P3976	129.1 Detected	3297.8 Detected	949.4 Detected	9165.7 Detected	Pcsk9	70.99690163	7.35398916	2.77933774	0.2878889
A_55_P2079	3.2 Not Detect	3.9 Not Detect	31.4 Detected	225.1 Detected	Pira7	70.34375	9.8125	57.7179487	8.0512821
A_52_P2248	9.4 Not Detect	103.6 Detected	32.4 Detected	656 Detected	4930529M08Rik	69.78723404	3.44680851	6.33204633	0.3127413
A_55_P2153	22 Detected	186.4 Detected	740.3 Detected	1519.3 Detected	A630081J09Rik	69.05909091	33.65	8.15075107	3.9715665
A_55_P1966	2.7 Not Detect	3.1 Not Detect	3.2 Not Detect	186 Detected	Serpina3i	68.88888889	1.18518519	60	1.0322581
A_51_P3298	3.1 Not Detect	16.6 Not Detect	9.5 Not Detect	212.4 Detected	Reg1	68.51612903	3.06451613	12.7951807	0.5722892
A_55_P2048	2.9 Not Detect	328 Detected	3.5 Not Detect	197.4 Detected	Mgarp	68.06896552	1.20689655	0.60182927	0.0106707
A_55_P2084	2.7 Not Detect	3.1 Not Detect	3.2 Not Detect	182.9 Detected	Klk15	67.74074074	1.18518519	59	1.0322581
A_55_P1961	3 Not Detect	8.6 Not Detect	5.6 Not Detect	201.3 Detected	Nlgn3	67.1	1.86666667	23.4069767	0.6511628
A_66_P1323	2.8 Not Detect	3.5 Not Detect	3.3 Not Detect	186.9 Detected	Olf1815	66.75	1.17857143	53.4	0.9428571
A_55_P1998	3.1 Not Detect	10.3 Not Detect	3.8 Not Detect	206.8 Detected	Gm20877	66.70967742	1.22580645	20.0776699	0.368932
A_55_P2113	3 Not Detect	3.6 Not Detect	3.6 Not Detect	199.7 Detected	Zfp583	66.56666667	1.2	55.4722222	1
A_51_P3757	2.8 Not Detect	104.9 Detected	3.3 Not Detect	185.8 Detected	Ptchd1	66.35714286	1.17857143	1.77121068	0.0314585
A_66_P1013	3 Not Detect	3.6 Not Detect	3.5 Not Detect	198.4 Detected	A530001N23Rik	66.13333333	1.16666667	55.1111111	0.9722222
A_66_P1407	2.7 Not Detect	3 Not Detect	3.1 Not Detect	177.3 Detected	Gm10445	65.66666667	1.14814815	59.1	1.0333333
A_52_P3183	3.6 Not Detect	122.1 Detected	16.1 Not Detect	234.7 Detected	Ces2c	65.19444444	4.47222222	1.92219492	0.1318591
A_55_P2058	3.1 Not Detect	3.6 Not Detect	311.1 Detected	201.5 Detected	Cyp2c68	65	100.354839	55.9722222	86.416667
A_66_P1023	2.7 Not Detect	3.1 Not Detect	3.2 Not Detect	174.8 Detected	Gm5099	64.74074074	1.18518519	56.3870968	1.0322581
A_51_P1430	36.5 Detected	627.8 Detected	2584.3 Detected	2348.7 Detected	Eps8l3	64.34794521	70.8027397	3.7411596	4.1164384
A_52_P2907	3.1 Not Detect	12.7 Not Detect	7.6 Not Detect	196.6 Detected	BC016579	63.41935484	2.4516129	15.480315	0.5984252
A_55_P2051	2.9 Not Detect	3.5 Not Detect	3.5 Not Detect	183.9 Detected	Tctex1d1	63.4137931	1.20689655	52.5428571	1

A_55_P2073	3.1 Not Detect	3.8 Not Detect	3.7 Not Detect	196.4 Detected	Gm7759	63.35483871	1.19354839	51.6842105	0.9736842
A_55_P2002	12.1 Not Detect	161.5 Detected	145 Detected	765.7 Detected	Fhl1	63.28099174	11.9834711	4.74117647	0.8978328
A_51_P2719	3.1 Not Detect	174 Detected	17 Not Detect	193.4 Detected	Tmem45b	62.38709677	5.48387097	1.11149425	0.0977011
A_52_P9252	2.8 Not Detect	3.3 Not Detect	53.6 Detected	173.8 Detected	Bcl11b	62.07142857	19.1428571	52.6666667	16.242424
A_55_P2078	29.1 Detected	188.3 Detected	1142.5 Detected	1795.6 Detected	Mcoln2	61.70446735	39.2611684	9.53584705	6.0674456
A_55_P2249	3.6 Not Detect	4.5 Not Detect	3.7 Not Detect	221.8 Detected	BC001981	61.61111111	1.02777778	49.2888889	0.8222222
A_55_P2058	2.7 Not Detect	20.7 Detected	15.9 Detected	164.8 Detected	Zfyve28	61.03703704	5.88888889	7.96135266	0.7681159
A_51_P1203	2.9 Not Detect	3.4 Not Detect	3.4 Not Detect	177 Detected	Snx31	61.03448276	1.17241379	52.0588235	1
A_55_P2079	2.9 Not Detect	3.3 Not Detect	24.3 Detected	175.2 Detected	Lilra6	60.4137931	8.37931034	53.0909091	7.3636364
A_51_P4739	25.2 Detected	305.7 Detected	2772.1 Detected	1522.1 Detected	Arhgef26	60.40079365	110.003968	4.97906444	9.0680406
A_55_P2175	21.5 Detected	53.7 Detected	184.1 Detected	1288.8 Compromis	Gm10522	59.94418605	8.5627907	24	3.4283054
A_55_P2161	106 Detected	90.5 Detected	4935.6 Detected	6307.9 Detected	Cyp2c65	59.50849057	46.5622642	69.7005525	54.537017
A_55_P2036	2.8 Not Detect	3.2 Not Detect	3.2 Not Detect	166.3 Detected	9230113P08Rik	59.39285714	1.14285714	51.96875	1
A_52_P3570	4.9 Not Detect	78.4 Detected	308.4 Detected	290.6 Detected	Ccdc91	59.30612245	62.9387755	3.70663265	3.9336735
A_52_P3319	3.2 Not Detect	3.3 Not Detect	3.4 Not Detect	187.9 Detected	Zp2	58.71875	1.0625	56.9393939	1.030303
A_51_P1740	9.8 Not Detect	21.8 Detected	1124.9 Detected	573.4 Detected	Zdhhc14	58.51020408	114.785714	26.3027523	51.600917
A_55_P2087	3 Not Detect	3.7 Not Detect	123.6 Detected	175.4 Detected	Hpcal4	58.46666667	41.2	47.4054054	33.405405
A_55_P2039	3 Not Detect	3.5 Not Detect	3.5 Not Detect	174.4 Detected	Gpr35	58.13333333	1.16666667	49.8285714	1
A_55_P1974	2.6 Not Detect	3 Not Detect	4 Not Detect	151 Detected	Pyhin1	58.07692308	1.53846154	50.3333333	1.3333333
A_55_P2042	3.2 Not Detect	42.3 Detected	3.8 Not Detect	185.3 Detected	Rftn1	57.90625	1.1875	4.38061466	0.0898345
A_55_P2097	3.8 Not Detect	24.4 Detected	116.9 Detected	220 Detected	Fam46a	57.89473684	30.7631579	9.01639344	4.7909836
A_52_P1809	2.7 Not Detect	3.1 Not Detect	3.2 Not Detect	155.2 Detected	Kcnq2	57.48148148	1.18518519	50.0645161	1.0322581
A_55_P2029	3 Not Detect	3.6 Not Detect	3.6 Not Detect	171 Detected	Glt6d1	57	1.2	47.5	1
A_55_P2091	3.3 Not Detect	3.8 Not Detect	7.2 Not Detect	187.5 Detected	Dppa3	56.81818182	2.18181818	49.3421053	1.8947368
A_55_P2185	2.8 Not Detect	3.2 Not Detect	3.2 Not Detect	158.7 Detected	Tmem28	56.67857143	1.14285714	49.59375	1
A_55_P2065	3.7 Not Detect	3.4 Not Detect	3.5 Not Detect	207.7 Detected	14-Sep	56.13513514	0.94594595	61.0882353	1.0294118
A_55_P2194	2.8 Not Detect	3.2 Not Detect	3.3 Not Detect	156.9 Detected	1700126A01Rik	56.03571429	1.17857143	49.03125	1.03125
A_55_P2005	15 Not Detect	114.2 Detected	601.1 Detected	834.7 Detected	Celf2	55.64666667	40.0733333	7.30910683	5.2635727
A_55_P2127	3.2 Not Detect	3.8 Not Detect	3.8 Not Detect	177.9 Detected	4931422A03Rik	55.59375	1.1875	46.8157895	1
A_55_P2249	38.8 Detected	687.9 Detected	268.7 Detected	2128.3 Detected	Sema6a	54.85309278	6.92525773	3.093909	0.3906091
A_55_P2110	3 Not Detect	3.7 Not Detect	3.6 Not Detect	163.8 Detected	Olf1r116	54.6	1.2	44.2702703	0.972973
A_55_P1974	70.4 Detected	556.1 Detected	1940.5 Detected	3747.7 Detected	Entpd2	53.234375	27.5639205	6.73925553	3.4894803
A_51_P3188	32.4 Detected	43.1 Detected	44 Detected	1721 Detected	Syt10	53.11728395	1.35802469	39.9303944	1.0208817
A_52_P2874	2.7 Not Detect	3.1 Not Detect	3.2 Not Detect	143.4 Detected	Scgn	53.11111111	1.18518519	46.2580645	1.0322581
A_55_P2015	3.1 Not Detect	7.4 Not Detect	3.7 Not Detect	164.6 Detected	Glt1d1	53.09677419	1.19354839	22.2432432	0.5
A_55_P2426	3 Not Detect	3.6 Not Detect	3.6 Not Detect	158.5 Detected	Gprin3	52.83333333	1.2	44.0277778	1
A_52_P1583	3.1 Not Detect	3.8 Not Detect	3.8 Not Detect	163.7 Detected	Cpa4	52.80645161	1.22580645	43.0789474	1
A_55_P2047	71.4 Detected	360.9 Detected	2808.6 Detected	3756.5 Detected	Fcho1	52.61204482	39.3361345	10.4087005	7.7822111
A_55_P1959	2.7 Not Detect	50.9 Detected	84.8 Detected	140.7 Detected	Usp51	52.11111111	31.4074074	2.76424361	1.6660118
A_51_P4903	6.3 Not Detect	3.9 Not Detect	3.8 Not Detect	327.9 Detected	Tmem190	52.04761905	0.6031746	84.0769231	0.974359

A_52_P2068	18.8 Detected	74.9 Detected	106.3 Detected	976.6 Compromis	Klf8	51.94680851	5.65425532	13.0387183	1.4192256
A_55_P2127	61.5 Detected	951.3 Detected	1396.4 Detected	3149 Detected	Palm3	51.20325203	22.7056911	3.31020709	1.4678861
A_51_P1881	7.2 Not Detect	148.7 Detected	319.7 Detected	368 Detected	Gca	51.11111111	44.4027778	2.47478144	2.1499664
A_51_P2327	36 Detected	32 Detected	3508.3 Detected	1836.3 Detected	Plxnb3	51.00833333	97.4527778	57.384375	109.63438
A_55_P1995	53.3 Detected	330.5 Detected	1013.6 Detected	2703.7 Detected	Tmem139	50.7260788	19.0168856	8.1806354	3.0668684
A_55_P2288	4.6 Not Detect	5.4 Not Detect	174 Detected	233.1 Detected	Gucy1a2	50.67391304	37.826087	43.1666667	32.222222
A_51_P2822	68.8 Detected	1682.2 Detected	3826.4 Detected	3480.9 Detected	As3mt	50.59447674	55.6162791	2.06925455	2.2746404
A_55_P2237	2.9 Not Detect	3.4 Not Detect	3.5 Not Detect	146.4 Detected	A930015G24Rik	50.48275862	1.20689655	43.0588235	1.0294118
A_55_P2150	2.7 Not Detect	3 Not Detect	3 Not Detect	136.1 Detected	Cst1l	50.40740741	1.11111111	45.3666667	1
A_55_P2009	3.5 Not Detect	5.5 Not Detect	3 Not Detect	175.9 Detected	Pex5l	50.25714286	0.85714286	31.9818182	0.5454545
A_51_P4711	176.9 Detected	145.3 Detected	6902.7 Detected	8843.5 Detected	Cyp2c66	49.99152063	39.0203505	60.8637302	47.506538
A_55_P2149	3.1 Not Detect	6.9 Not Detect	13.9 Not Detect	154.8 Detected	Ptchd4	49.93548387	4.48387097	22.4347826	2.0144928
A_52_P3549	3 Not Detect	3.7 Not Detect	3.6 Not Detect	149 Detected	Ric3	49.66666667	1.2	40.2702703	0.972973
A_55_P2111	3 Not Detect	3.6 Not Detect	3.5 Not Detect	148.6 Detected	Olfir550	49.53333333	1.16666667	41.2777778	0.9722222
A_51_P2608	9.2 Not Detect	75.1 Detected	219.2 Detected	454 Detected	Cntnap2	49.34782609	23.826087	6.04527297	2.918775
A_55_P2392	2.8 Not Detect	3.2 Not Detect	3.2 Not Detect	136.7 Detected	Slc1a2	48.82142857	1.14285714	42.71875	1
A_52_P5282	2.9 Not Detect	3.4 Not Detect	3.4 Not Detect	140.5 Detected	Rp11l	48.44827586	1.17241379	41.3235294	1
A_51_P2728	46.9 Detected	174 Detected	1312.8 Detected	2267.2 Detected	Fam46a	48.34115139	27.9914712	13.0298851	7.5448276
A_55_P1984	3.1 Not Detect	3.8 Not Detect	3.8 Not Detect	149.6 Detected	Gabre	48.25806452	1.22580645	39.3684211	1
A_55_P2005	3.1 Not Detect	3.7 Not Detect	3.8 Not Detect	148.3 Detected	Olfir876	47.83870968	1.22580645	40.0810811	1.027027
A_52_P3702	24.7 Detected	7.1 Not Detect	272.8 Detected	1180.4 Detected	Crisp1	47.78947368	11.0445344	166.253521	38.422535
A_55_P1971	2.7 Not Detect	80.5 Detected	52.3 Detected	128.7 Detected	1810019J16Rik	47.66666667	19.3703704	1.59875776	0.6496894
A_55_P2088	3.1 Not Detect	3.8 Not Detect	3.7 Not Detect	147.5 Detected	Synpr	47.58064516	1.19354839	38.8157895	0.9736842
A_55_P2186	7 Not Detect	3.8 Not Detect	17.1 Not Detect	332.7 Detected	Agxt2	47.52857143	2.44285714	87.5526316	4.5
A_55_P1987	2.7 Not Detect	6.3 Not Detect	3.1 Not Detect	128.3 Detected	Uba1y	47.51851852	1.14814815	20.3650794	0.4920635
A_55_P2409	2.7 Not Detect	3 Not Detect	3.1 Not Detect	128.1 Detected	7630403G23Rik	47.44444444	1.14814815	42.7	1.0333333
A_55_P2054	3 Not Detect	3.5 Not Detect	3.6 Not Detect	139.5 Detected	Pira2	46.5	1.2	39.8571429	1.0285714
A_55_P2100	2.8 Not Detect	3.3 Not Detect	3.3 Not Detect	129.9 Detected	Cfc1	46.39285714	1.17857143	39.3636364	1
A_55_P2360	3.2 Not Detect	3.8 Not Detect	10.7 Not Detect	147.5 Detected	1700086P04Rik	46.09375	3.34375	38.8157895	2.8157895
A_51_P3385	2.7 Not Detect	3 Not Detect	7.1 Not Detect	124.1 Detected	4930402K13Rik	45.96296296	2.62962963	41.3666667	2.3666667
A_52_P5491	2.8 Not Detect	68.7 Detected	26 Detected	128.2 Detected	Arsj	45.78571429	9.28571429	1.86608443	0.3784571
A_55_P2180	2.8 Not Detect	3.6 Not Detect	6 Not Detect	127.7 Detected	Fgf20	45.60714286	2.14285714	35.4722222	1.6666667
A_51_P3697	4.1 Not Detect	3.4 Not Detect	3.4 Not Detect	186.1 Detected	Ces1e	45.3902439	0.82926829	54.7352941	1
A_52_P2433	99.9 Detected	776 Detected	1099.8 Detected	4528.1 Detected	Sema4f	45.32632633	11.009009	5.83518041	1.417268
A_55_P1954	8 Not Detect	3.3 Not Detect	3.4 Not Detect	362.6 Detected	Gm4297	45.325	0.425	109.878788	1.030303
A_55_P2332	13.3 Not Detect	119.1 Detected	25.1 Detected	601 Detected	2810037O22Rik	45.18796992	1.88721805	5.04617968	0.2107473
A_55_P2389	2.9 Not Detect	3.4 Not Detect	3.5 Not Detect	131 Detected	9430014N10Rik	45.17241379	1.20689655	38.5294118	1.0294118
A_55_P2130	4.4 Not Detect	3.7 Not Detect	3 Not Detect	198.1 Detected	Lingo1	45.02272727	0.68181818	53.5405405	0.8108108
A_52_P1516	32.5 Detected	26.4 Detected	38.7 Detected	1452.3 Compromis	Tmem191c	44.68615385	1.19076923	55.0113636	1.4659091
A_52_P2677	3 Not Detect	3.7 Not Detect	3.7 Not Detect	133.1 Detected	Cd209b	44.36666667	1.23333333	35.972973	1

A_52_P6101	2.7 Not Detect	6.8 Not Detect	3.2 Not Detect	119.7 Detected	Ncam2	44.33333333	1.18518519	17.6029412	0.4705882
A_51_P4972	2.9 Not Detect	110.2 Detected	61 Detected	128.3 Detected	E330013P04Rik	44.24137931	21.0344828	1.16424682	0.553539
A_55_P2109	52.6 Detected	4.6 Not Detect	23.4 Detected	2309.9 Detected	Hmgcs2	43.91444867	0.44486692	502.152174	5.0869565
A_55_P1960	472.5 Detected	1575.9 Detected	17642.4 Detected	20704.1 Detected	Tjp3	43.81820106	37.3384127	13.1379529	11.195127
A_55_P2097	2.7 Not Detect	3.1 Not Detect	3.1 Not Detect	117.8 Detected	Gm13769	43.62962963	1.14814815	38	1
A_55_P2046	5.3 Not Detect	3.3 Not Detect	30.5 Detected	228.6 Detected	Gm10693	43.13207547	5.75471698	69.2727273	9.2424242
A_55_P2027	3.1 Not Detect	3.7 Not Detect	79.9 Detected	133.4 Detected	Plcl1	43.03225806	25.7741935	36.0540541	21.594595
A_51_P4757	2.6 Not Detect	2.9 Not Detect	3 Not Detect	109.9 Detected	Klrc2	42.26923077	1.15384615	37.8965517	1.0344828
A_55_P1962	4.5 Not Detect	18.4 Detected	13.3 Not Detect	187.9 Detected	Syk	41.75555556	2.95555556	10.2119565	0.7228261
A_51_P2061	2.8 Not Detect	3.3 Not Detect	3.3 Not Detect	116.8 Detected	Gtf2a1l	41.71428571	1.17857143	35.3939394	1
A_51_P3535	4.2 Not Detect	3.7 Not Detect	4.8 Not Detect	175 Detected	Magee2	41.66666667	1.14285714	47.2972973	1.2972973
A_55_P1955	3.5 Not Detect	145.5 Detected	31.2 Detected	145.5 Detected	Grb14	41.57142857	8.91428571	1	0.214433
A_55_P2178	2.8 Not Detect	3.2 Not Detect	3.2 Not Detect	115.9 Detected	A430027H14Rik	41.39285714	1.14285714	36.21875	1
A_55_P2176	4.9 Not Detect	3.3 Not Detect	6 Not Detect	202.4 Detected	Lrrc4	41.30612245	1.2244898	61.3333333	1.8181818
A_52_P3283	3.9 Not Detect	9.5 Not Detect	11.3 Not Detect	160.9 Detected	Lrrc16b	41.25641026	2.8974359	16.9368421	1.1894737
A_52_P7776	2.8 Not Detect	19.5 Detected	3.2 Not Detect	114.8 Detected	Slc7a2	41	1.14285714	5.88717949	0.1641026
A_51_P3933	14.2 Detected	10.1 Not Detect	5.8 Not Detect	580 Compromis	Sidt1	40.84507042	0.4084507	57.4257426	0.5742574
A_55_P2065	18.3 Detected	266.8 Detected	275.9 Detected	746 Detected	Macrod2	40.76502732	15.0765027	2.79610195	1.0341079
A_55_P2019	3.1 Not Detect	192.1 Detected	8.9 Not Detect	125.9 Detected	Slc43a1	40.61290323	2.87096774	0.65538782	0.04633
A_55_P2004	6.9 Not Detect	32.8 Detected	8.8 Not Detect	278.1 Compromis	Klra8	40.30434783	1.27536232	8.47865854	0.2682927
A_55_P2094	4.5 Not Detect	19.5 Detected	18 Detected	181.2 Detected	Slc17a4	40.26666667	4	9.29230769	0.9230769
A_52_P6333	4.4 Not Detect	9.6 Not Detect	12 Not Detect	176.8 Detected	Morc1	40.18181818	2.72727273	18.4166667	1.25
A_55_P1993	2.8 Not Detect	3.3 Not Detect	3.3 Not Detect	112.5 Detected	Olfr761	40.17857143	1.17857143	34.0909091	1
A_52_P8459	2.9 Not Detect	3.4 Not Detect	3.4 Not Detect	116.5 Detected	Tpsab1	40.17241379	1.17241379	34.2647059	1
A_52_P8070	3 Not Detect	3.6 Not Detect	3.6 Not Detect	120.2 Detected	4930503B20Rik	40.06666667	1.2	33.3888889	1
A_66_P1287	4 Not Detect	11.2 Not Detect	3.6 Not Detect	159.8 Detected	Gm1045	39.95	0.9	14.2678571	0.3214286
A_51_P2532	27.4 Detected	385.5 Detected	1003 Detected	1093.3 Detected	Slc51a	39.90145985	36.6058394	2.83605707	2.6018158
A_55_P2017	2.8 Not Detect	3.3 Not Detect	3.3 Not Detect	111.6 Detected	Olfr915	39.85714286	1.17857143	33.8181818	1
A_52_P1396	3 Not Detect	3.5 Not Detect	3.5 Not Detect	119.3 Detected	Pfn4	39.76666667	1.16666667	34.0857143	1
A_55_P1974	65.3 Detected	44.6 Detected	98 Detected	2582.1 Detected	Gm14625	39.54211332	1.5007657	57.8946188	2.1973094
A_52_P4858	5.4 Not Detect	12.4 Not Detect	15.7 Not Detect	211.3 Detected	Mgam	39.12962963	2.90740741	17.0403226	1.266129
A_55_P1953	2.9 Not Detect	810.4 Detected	92 Detected	112.6 Detected	Serinc2	38.82758621	31.7241379	0.13894373	0.1135242
A_55_P2383	2.8 Not Detect	5.5 Not Detect	88 Detected	108.5 Detected	2310001H17Rik	38.75	31.4285714	19.7272727	16
A_55_P2143	4.6 Not Detect	9.6 Not Detect	3.8 Not Detect	177.6 Detected	LOC101055798	38.60869565	0.82608696	18.5	0.3958333
A_55_P2043	4.3 Not Detect	472.5 Detected	6.9 Not Detect	163.5 Detected	Prdm6	38.02325581	1.60465116	0.34603175	0.0146032
A_51_P2596	2.7 Not Detect	3.3 Not Detect	10.9 Not Detect	102.5 Detected	Adcyap1r1	37.96296296	4.03703704	31.0606061	3.3030303
A_55_P2377	2.7 Not Detect	3.1 Not Detect	3.1 Not Detect	101.8 Detected	4933409L14Rik	37.7037037	1.14814815	32.8387097	1
A_51_P1704	9.5 Not Detect	25.2 Detected	29.6 Detected	357.7 Detected	Gpr17	37.65263158	3.11578947	14.1944444	1.1746032
A_55_P2098	3.1 Not Detect	3.8 Not Detect	3.9 Not Detect	116.2 Detected	C87414	37.48387097	1.25806452	30.5789474	1.0263158
A_55_P2359	24.5 Detected	21.5 Detected	18.7 Detected	917.5 Compromis	3010033K07Rik	37.44897959	0.76326531	42.6744186	0.8697674

A_66_P1284	2.8 Not Detect	5.4 Not Detect	3.3 Not Detect	104.5 Detected	Bend7	37.32142857	1.17857143	19.3518519	0.6111111
A_55_P2338	3.1 Not Detect	5.6 Not Detect	3.1 Not Detect	114.7 Detected	A930027P06Rik	37	1	20.4821429	0.5535714
A_55_P1976	57.5 Detected	39.4 Detected	75 Detected	2125.3 Detected	Gm14625	36.96173913	1.30434783	53.9416244	1.9035533
A_55_P2137	9.1 Not Detect	3.2 Not Detect	4.5 Not Detect	333.3 Detected	Gm996	36.62637363	0.49450549	104.15625	1.40625
A_55_P2177	3.7 Not Detect	3.3 Not Detect	3.3 Not Detect	135.1 Detected	Lipi	36.51351351	0.89189189	40.9393939	1
A_55_P2141	5.8 Not Detect	3.3 Not Detect	3.4 Not Detect	211 Detected	Zbtb49	36.37931034	0.5862069	63.9393939	1.030303
A_51_P1032	1533 Detected	11327.1 Detected	92272 Detected	55531.8 Detected	Slc39a4	36.22426614	60.1904762	4.90256111	8.1461274
A_66_P1080	3 Not Detect	11.5 Not Detect	4.9 Not Detect	108.2 Detected	Espn	36.06666667	1.63333333	9.40869565	0.426087
A_55_P2040	4.7 Not Detect	5.8 Not Detect	18.1 Detected	168.9 Detected	Gm14548	35.93617021	3.85106383	29.1206897	3.1206897
A_52_P6815	3 Not Detect	7.9 Not Detect	3.6 Not Detect	107.6 Detected	Naaladl2	35.86666667	1.2	13.6202532	0.4556962
A_52_P4179	38.1 Detected	27.2 Detected	69.1 Detected	1360 Detected	3830403N18Rik	35.69553806	1.81364829	50	2.5404412
A_51_P2362	11.1 Not Detect	6.9 Not Detect	95.2 Detected	395.9 Detected	St8sia4	35.66666667	8.57657658	57.3768116	13.797101
A_51_P1484	7.2 Not Detect	3.7 Not Detect	3.6 Not Detect	256.6 Detected	Olf510	35.63888889	0.5	69.3513514	0.972973
A_52_P3040	2.7 Not Detect	14.1 Not Detect	3.2 Not Detect	96 Detected	Jakmip2	35.55555556	1.18518519	6.80851064	0.2269504
A_55_P2183	2.7 Not Detect	3.1 Not Detect	3.1 Not Detect	94.9 Detected	Olf57	35.14814815	1.14814815	30.6129032	1
A_55_P2177	3.1 Not Detect	3.8 Not Detect	3.7 Not Detect	108.7 Detected	Htr7	35.06451613	1.19354839	28.6052632	0.9736842
A_55_P2178	3.1 Not Detect	3.7 Not Detect	3.8 Not Detect	108.6 Detected	1110020C17Rik	35.03225806	1.22580645	29.3513514	1.027027
A_55_P2078	3.5 Not Detect	3.6 Not Detect	5.5 Not Detect	121.9 Detected	Nrl	34.82857143	1.57142857	33.8611111	1.5277778
A_55_P2121	23.6 Detected	101.7 Detected	1024 Detected	814.8 Detected	Fgfr4	34.52542373	43.3898305	8.01179941	10.06883
A_55_P2102	8.6 Not Detect	6.3 Not Detect	64.2 Detected	296.7 Detected	Gstm3	34.5	7.46511628	47.0952381	10.190476
A_51_P2454	5 Not Detect	3 Not Detect	4.2 Not Detect	172.4 Detected	Klk1	34.48	0.84	57.4666667	1.4
A_51_P3896	5 Not Detect	36.6 Detected	31.5 Detected	171.1 Detected	Mrgprb2	34.22	6.3	4.67486339	0.8606557
A_51_P2139	28.1 Detected	238.7 Detected	108.2 Detected	958 Detected	Nap1l3	34.09252669	3.85053381	4.01340595	0.4532886
A_55_P2010	2.8 Not Detect	3.2 Not Detect	3.2 Not Detect	95 Detected	Capn3	33.92857143	1.14285714	29.6875	1
A_51_P2091	7.4 Not Detect	111.2 Detected	8.6 Not Detect	250.4 Detected	Pcdh10	33.83783784	1.16216216	2.25179856	0.0773381
A_55_P2054	120.8 Detected	40.9 Detected	1966.9 Detected	4080.3 Detected	Mcpt2	33.77731788	16.2822848	99.7628362	48.090465
A_55_P1987	2.8 Not Detect	4.2 Not Detect	68.4 Detected	94.4 Detected	Ttll9	33.71428571	24.4285714	22.4761905	16.285714
A_51_P3758	4.3 Not Detect	3.4 Not Detect	365.4 Detected	144.9 Detected	Srp3	33.69767442	84.9767442	42.6176471	107.47059
A_55_P2081	7.9 Not Detect	6.4 Not Detect	10.4 Not Detect	265.8 Detected	Sptbn5	33.64556962	1.3164557	41.53125	1.625
A_55_P2007	2.8 Not Detect	13 Not Detect	3.3 Not Detect	94.1 Detected	Gm10871	33.60714286	1.17857143	7.23846154	0.2538462
A_51_P4528	3 Not Detect	3.5 Not Detect	83.4 Detected	100.6 Detected	Ssxb1	33.53333333	27.8	28.7428571	23.828571
A_55_P1981	34 Detected	60.9 Detected	42.4 Detected	1133.6 Detected	Ptprt	33.34117647	1.24705882	18.6141215	0.6962233
A_66_P1292	23.7 Detected	13.6 Not Detect	49.7 Detected	787.3 Compromis	Gm12511	33.21940928	2.09704641	57.8897059	3.6544118
A_55_P2078	73.7 Detected	461.8 Detected	924.1 Detected	2442 Detected	Aqp8	33.13432836	12.5386703	5.28800346	2.0010827
A_51_P4226	3.2 Not Detect	3.4 Not Detect	3.4 Not Detect	105.7 Detected	Arl11	33.03125	1.0625	31.0882353	1
A_55_P2109	2.7 Not Detect	10 Not Detect	3.2 Not Detect	89 Detected	Glt1d1	32.96296296	1.18518519	8.9	0.32
A_55_P2043	6.9 Not Detect	5 Not Detect	6.5 Not Detect	227.2 Detected	Cadps2	32.92753623	0.94202899	45.44	1.3
A_55_P1971	3 Not Detect	66.6 Detected	53.9 Detected	98.7 Detected	Esx1	32.9	17.9666667	1.48198198	0.8093093
A_55_P1984	3 Not Detect	144.7 Detected	3.5 Not Detect	98.7 Detected	Cbln1	32.9	1.16666667	0.6821009	0.024188
A_51_P3775	3.1 Not Detect	3.7 Not Detect	3.7 Not Detect	101.1 Detected	Oprk1	32.61290323	1.19354839	27.3243243	1

A_55_P1992	4.2 Not Detect	3.1 Not Detect	3.1 Not Detect	136.8 Detected	Hmgcs2	32.57142857	0.73809524	44.1290323	1
A_51_P1226	405.7 Detected	154.3 Detected	3336.1 Detected	13086 Detected	Degs2	32.2553611	8.22307123	84.808814	21.620868
A_51_P3972	4.4 Not Detect	176.1 Detected	3.3 Not Detect	141.6 Detected	Marveld3	32.18181818	0.75	0.80408859	0.0187394
A_55_P2132	24 Detected	17.8 Detected	27.1 Detected	771.9 Compromis	A930004D18Rik	32.1625	1.12916667	43.3651685	1.5224719
A_55_P2013	4.8 Not Detect	3.3 Not Detect	3.7 Not Detect	154.3 Detected	Oosp1	32.14583333	0.77083333	46.7575758	1.1212121
A_55_P2156	124.1 Detected	1644.1 Detected	1265.6 Detected	3985.7 Detected	Cdh9	32.11684126	10.1982272	2.42424427	0.7697829
A_51_P4729	3.1 Not Detect	3.7 Not Detect	34.9 Detected	99.4 Detected	Atp8b1	32.06451613	11.2580645	26.8648649	9.4324324
A_51_P5064	161.2 Detected	1045.8 Detected	3285 Detected	5145.2 Detected	Krt14	31.91811414	20.3784119	4.91986996	3.141136
A_55_P2358	3 Not Detect	3.5 Not Detect	3.5 Not Detect	95.5 Detected	AU021128	31.83333333	1.16666667	27.2857143	1
A_55_P2030	2.8 Not Detect	5.5 Not Detect	3.4 Not Detect	89.1 Detected	Ifnab	31.82142857	1.21428571	16.2	0.6181818
A_55_P2176	3.6 Not Detect	49.2 Detected	8.9 Not Detect	114 Detected	Usp51	31.66666667	2.47222222	2.31707317	0.1808943
A_55_P2299	7.3 Not Detect	3.6 Not Detect	3.7 Not Detect	231 Detected	Olfr22-ps1	31.64383562	0.50684932	64.1666667	1.0277778
A_51_P4452	2.7 Not Detect	3.1 Not Detect	3.2 Not Detect	85.4 Detected	Piwil1	31.62962963	1.18518519	27.5483871	1.0322581
A_55_P2057	16.1 Detected	19.1 Detected	17.4 Not Detect	500.2 Compromis	Olfr843	31.06832298	1.08074534	26.1884817	0.9109948
A_51_P1037	17.9 Detected	16.9 Not Detect	558.8 Detected	556.1 Detected	Cyp2c29	31.06703911	31.2178771	32.9053254	33.065089
A_55_P2012	37.7 Detected	156 Detected	1081.6 Detected	1169 Detected	Spata6	31.00795756	28.6896552	7.49358974	6.9333333
A_52_P3131	3 Not Detect	4 Not Detect	3.6 Not Detect	92 Detected	Yipf7	30.66666667	1.2	23	0.9
A_55_P2160	3.1 Not Detect	3.8 Not Detect	3.7 Not Detect	94.9 Detected	Prl	30.61290323	1.19354839	24.9736842	0.9736842
A_66_P1118	12.1 Not Detect	54.3 Detected	190.1 Detected	370.3 Detected	Gm3336	30.60330579	15.7107438	6.81952118	3.5009208
A_55_P2381	6.8 Not Detect	11.5 Not Detect	3.3 Not Detect	207.6 Detected	6430706H07Rik	30.52941176	0.48529412	18.0521739	0.2869565
A_55_P2068	17.6 Detected	3.5 Not Detect	8.4 Not Detect	535.4 Compromis	Phactr1	30.42045455	0.47727273	152.971429	2.4
A_52_P4042	2.8 Not Detect	3.3 Not Detect	3.3 Not Detect	84.8 Detected	Olfr711	30.28571429	1.17857143	25.6969697	1
A_51_P5077	117.9 Detected	793.3 Detected	1537.7 Detected	3550.7 Detected	Sdr42e1	30.11620017	13.0424088	4.47586033	1.9383588
A_55_P2385	2.6 Not Detect	3.4 Not Detect	3 Not Detect	77.9 Detected	0610009K14Rik	29.96153846	1.15384615	22.9117647	0.8823529
A_55_P2176	24.1 Detected	504.8 Detected	162.9 Detected	718.9 Detected	Prex1	29.82987552	6.7593361	1.42412837	0.3227021
A_52_P5337	23.4 Detected	324.8 Detected	163.1 Detected	694.1 Detected	Chrna1	29.66239316	6.97008547	2.13700739	0.5021552
A_51_P2498	44.9 Detected	128.6 Detected	735.3 Detected	1330.5 Detected	Dsg2	29.6325167	16.376392	10.3460342	5.7177294
A_55_P2030	3.1 Not Detect	3.7 Not Detect	3.8 Not Detect	91.8 Detected	Olfr1272	29.61290323	1.22580645	24.8108108	1.027027
A_55_P1991	1708.1 Detected	1835.1 Detected	11941.9 Detected	50531.2 Detected	Pdlim4	29.58327967	6.9913354	27.5359381	6.5074928
A_52_P1201	3.3 Not Detect	9.9 Not Detect	3.6 Not Detect	97.6 Detected	6030452D12Rik	29.57575758	1.09090909	9.85858586	0.3636364
A_52_P4004	3.1 Not Detect	3.6 Not Detect	3.7 Not Detect	91.5 Detected	Pirt	29.51612903	1.19354839	25.4166667	1.0277778
A_55_P2155	2.7 Not Detect	3 Not Detect	3 Not Detect	79.6 Detected	Gm12695	29.48148148	1.11111111	26.5333333	1
A_52_P3789	3 Not Detect	3.7 Not Detect	3.6 Not Detect	88.1 Detected	Rgs2	29.36666667	1.2	23.8108108	0.972973
A_52_P3303	3 Not Detect	3.5 Not Detect	3.5 Not Detect	88 Detected	Agbl2	29.33333333	1.16666667	25.1428571	1
A_51_P4016	2.6 Not Detect	2.9 Not Detect	3 Not Detect	76.2 Detected	Laptm5	29.30769231	1.15384615	26.2758621	1.0344828
A_55_P2151	6.3 Not Detect	6.4 Not Detect	39 Detected	184.3 Detected	Pira11	29.25396825	6.19047619	28.796875	6.09375
A_55_P1969	2.8 Not Detect	3.3 Not Detect	3.3 Not Detect	81.5 Detected	5730585A16Rik	29.10714286	1.17857143	24.6969697	1
A_55_P2318	1426.4 Detected	8343.1 Detected	16035.2 Detected	41280.7 Detected	Aqp8	28.94047953	11.2417274	4.94788508	1.9219714
A_55_P2326	70.8 Detected	59.1 Detected	33 Detected	2047.9 Compromis	A630057N01Rik	28.92514124	0.46610169	34.6514382	0.5583756
A_55_P2109	17.2 Detected	5.5 Not Detect	15.7 Not Detect	496.9 Compromis	Filip11	28.88953488	0.9127907	90.3454545	2.8545455

A_55_P2017	3.5 Not Detect	253.2 Detected	122.7 Detected	101.1 Detected	Cfh	28.88571429	35.0571429	0.3992891	0.4845972
A_55_P2032	16.4 Detected	16 Not Detect	8.7 Not Detect	469.5 Detected	Gm10450	28.62804878	0.5304878	29.34375	0.54375
A_52_P2705	3.1 Not Detect	5.6 Not Detect	3.8 Not Detect	88.5 Detected	Scgb2b27	28.5483871	1.22580645	15.8035714	0.6785714
A_51_P4788	8.1 Not Detect	28 Detected	16.7 Detected	231 Detected	1700034F02Rik	28.51851852	2.0617284	8.25	0.5964286
A_52_P1530	3.8 Not Detect	2.9 Not Detect	76.9 Detected	108.3 Detected	Ptgr	28.5	20.2368421	37.3448276	26.517241
A_52_P1564	2.6 Not Detect	2.9 Not Detect	3 Not Detect	73.5 Detected	Cmah	28.26923077	1.15384615	25.3448276	1.0344828
A_55_P1993	65.1 Detected	796.9 Detected	408.8 Detected	1838.9 Detected	Dcp1b	28.24731183	6.27956989	2.30756682	0.5129878
A_55_P2279	10.7 Not Detect	19.7 Detected	11.7 Not Detect	300.1 Detected	AU019202	28.04672897	1.09345794	15.2335025	0.5939086
A_55_P1987	13.7 Not Detect	23.8 Detected	25.6 Detected	383.3 Detected	Fuom	27.97810219	1.86861314	16.105042	1.0756303
A_55_P2089	4.1 Not Detect	10.3 Not Detect	3.5 Not Detect	114.2 Detected	Sly	27.85365854	0.85365854	11.0873786	0.3398058
A_55_P2032	11.3 Not Detect	27.3 Detected	98.9 Detected	314.7 Detected	LOC101056207	27.84955752	8.75221239	11.5274725	3.6227106
A_66_P1214	102.6 Detected	114.5 Detected	981.7 Detected	2852.5 Detected	Gm7969	27.80214425	9.56822612	24.9126638	8.5737991
A_52_P2647	5.3 Not Detect	36.4 Detected	879.7 Detected	146.3 Detected	Pdgrd	27.60377358	165.981132	4.01923077	24.167582
A_66_P1007	2.9 Not Detect	3.4 Not Detect	3.4 Not Detect	79.8 Detected	Magea5	27.51724138	1.17241379	23.4705882	1
A_55_P2007	11.9 Not Detect	16.5 Not Detect	28.1 Detected	327.4 Detected	Frm4b	27.51260504	2.36134454	19.8424242	1.7030303
A_66_P1205	16.9 Detected	19.4 Detected	14.1 Not Detect	464.9 Detected	4931440F15Rik	27.50887574	0.83431953	23.9639175	0.7268041
A_55_P2001	2.7 Not Detect	3 Not Detect	3 Not Detect	74.2 Detected	2310015D24Rik	27.48148148	1.11111111	24.7333333	1
A_55_P1964	3 Not Detect	3.6 Not Detect	35.3 Detected	82.1 Detected	Cyp2c37	27.36666667	11.7666667	22.8055556	9.8055556
A_51_P4990	203.4 Detected	1187.4 Detected	1076.5 Detected	5550.5 Detected	Fbp2	27.2885939	5.29252704	4.67449891	0.9066027
A_55_P2181	26.9 Detected	81.8 Detected	161.8 Detected	730.2 Detected	Adm2	27.14498141	6.01486989	8.92665037	1.9779951
A_55_P1977	2.9 Not Detect	3.4 Not Detect	3.5 Not Detect	78.6 Detected	Htr2b	27.10344828	1.20689655	23.1176471	1.0294118
A_55_P1965	6.8 Not Detect	3.5 Not Detect	5.2 Not Detect	184.1 Detected	Gabrg2	27.07352941	0.76470588	52.6	1.4857143
A_52_P2299	14.2 Detected	158.5 Detected	355.3 Detected	384.4 Detected	Slc51a	27.07042254	25.0211268	2.42523659	2.2416404
A_55_P1952	62.7 Detected	799.9 Detected	376.6 Detected	1695.1 Detected	Dcp1b	27.03508772	6.00637959	2.11913989	0.4708089
A_55_P2408	7.2 Not Detect	4.9 Not Detect	3.1 Not Detect	194.6 Detected	AI414108	27.02777778	0.43055556	39.7142857	0.6326531
A_55_P2223	10.1 Not Detect	5.3 Not Detect	5.7 Not Detect	272.5 Detected	A730062M13Rik	26.98019802	0.56435644	51.4150943	1.0754717
A_55_P2119	34.2 Detected	54.4 Detected	346.8 Detected	919.3 Detected	AA414992	26.88011696	10.1403509	16.8988971	6.375
A_66_P1031	3 Not Detect	3.5 Not Detect	3.5 Not Detect	80.2 Detected	Gm12474	26.73333333	1.16666667	22.9142857	1
A_52_P3025	4.2 Not Detect	3.1 Not Detect	3.1 Not Detect	112.1 Detected	Col8a2	26.69047619	0.73809524	36.1612903	1
A_55_P2157	4.6 Not Detect	4.1 Not Detect	3.3 Not Detect	122.3 Detected	Nalcn	26.58695652	0.7173913	29.8292683	0.804878
A_51_P3948	4.5 Not Detect	3.7 Not Detect	4.2 Not Detect	119.5 Detected	Gm11346	26.55555556	0.93333333	32.2972973	1.1351351
A_55_P2174	2.6 Not Detect	2.9 Not Detect	3 Not Detect	68.9 Detected	Olf66	26.5	1.15384615	23.7586207	1.0344828
A_55_P2057	16.9 Detected	6 Not Detect	4.7 Not Detect	447.6 Detected	Mid1	26.4852071	0.27810651	74.6	0.7833333
A_55_P1960	20.6 Detected	850.9 Detected	102.3 Detected	543.6 Detected	Cd209e	26.38834951	4.96601942	0.63885298	0.1202256
A_51_P1663	30.5 Detected	11.2 Not Detect	361.7 Detected	803.1 Detected	Avil	26.33114754	11.8590164	71.7053571	32.294643
A_51_P1818	45.4 Detected	558.6 Detected	155.3 Detected	1194.7 Detected	Amer2	26.31497797	3.42070485	2.13873971	0.2780165
A_55_P1956	134.6 Detected	230.4 Detected	3489.9 Detected	3540.6 Detected	B4galnt2	26.30460624	25.9279346	15.3671875	15.147135
A_52_P1685	3.1 Not Detect	7.9 Not Detect	20.3 Detected	81 Detected	Cntnap2	26.12903226	6.5483871	10.2531646	2.5696203
A_66_P1000	4.7 Not Detect	12.4 Not Detect	6.5 Not Detect	122.3 Detected	Klra7	26.0212766	1.38297872	9.86290323	0.5241935
A_55_P1985	3.1 Not Detect	3.6 Not Detect	3.7 Not Detect	80.5 Detected	Gm17767	25.96774194	1.19354839	22.3611111	1.0277778

A_55_P2062	19.2 Detected	20 Detected	12.2 Not Detect	498.1 Compromis	Rad23b	25.94270833	0.63541667	24.905	0.61
A_51_P4143	3.1 Not Detect	31 Detected	3.7 Not Detect	80.4 Detected	Acot12	25.93548387	1.19354839	2.59354839	0.1193548
A_51_P1942	2.9 Not Detect	3.4 Not Detect	3.4 Not Detect	74.6 Detected	Zic1	25.72413793	1.17241379	21.9411765	1
A_55_P2137	5.4 Not Detect	15.4 Not Detect	3.6 Not Detect	138.6 Detected	Srgap3	25.66666667	0.66666667	9	0.2337662
A_55_P2117	2.8 Not Detect	3.2 Not Detect	3.3 Not Detect	71.8 Detected	Gm4035	25.64285714	1.17857143	22.4375	1.03125
A_55_P2011	10.1 Not Detect	8 Not Detect	105.2 Detected	258.1 Detected	Capn13	25.55445545	10.4158416	32.2625	13.15
A_51_P1913	6.1 Not Detect	92.7 Detected	3.5 Not Detect	155.2 Detected	Acot6	25.44262295	0.57377049	1.67421791	0.0377562
A_51_P2098	7.1 Not Detect	7.3 Not Detect	4.4 Not Detect	179.7 Detected	Ccdc79	25.30985915	0.61971831	24.6164384	0.6027397
A_66_P1143	2.7 Not Detect	3.1 Not Detect	3.1 Not Detect	68 Detected	Vmn1r180	25.18518519	1.14814815	21.9354839	1
A_55_P2037	14.5 Detected	29.2 Detected	31.7 Detected	362.6 Detected	H2-Q10	25.00689655	2.1862069	12.4178082	1.0856164
A_55_P2006	106.7 Detected	132.6 Detected	935.7 Detected	2663.4 Detected	Gm7969	24.96157451	8.76944705	20.0859729	7.0565611
A_52_P2138	3 Not Detect	3.7 Not Detect	3.6 Not Detect	74.7 Detected	Olf228	24.9	1.2	20.1891892	0.972973
A_55_P1977	18.1 Detected	19.2 Detected	976.5 Detected	450.4 Detected	Cyp2c67	24.8839779	53.9502762	23.4583333	50.859375
A_55_P1963	7.7 Not Detect	7 Not Detect	6.5 Not Detect	191 Detected	Prl3c1	24.80519481	0.84415584	27.2857143	0.9285714
A_52_P1974	10.9 Not Detect	53 Detected	71.8 Detected	269.7 Detected	Tbc1d30	24.74311927	6.58715596	5.08867925	1.354717
A_55_P2090	1736.7 Detected	7443.4 Detected	13512.2 Detected	42719 Detected	Myh14	24.59780043	7.78038809	5.73917833	1.8153263
A_52_P5204	30.4 Detected	50.4 Detected	529.4 Detected	747.5 Detected	Vcam1	24.58881579	17.4144737	14.8313492	10.503968
A_55_P2007	14 Detected	41.5 Detected	454.3 Detected	344 Detected	Akr1c14	24.57142857	32.45	8.28915663	10.946988
A_55_P2017	4.2 Not Detect	3.2 Not Detect	3.2 Not Detect	102.7 Detected	Sly	24.45238095	0.76190476	32.09375	1
A_55_P2163	3.1 Not Detect	10.1 Not Detect	7.2 Not Detect	75.6 Detected	Gm10220	24.38709677	2.32258065	7.48514851	0.7128713
A_51_P4599	2.6 Not Detect	2.9 Not Detect	15.8 Detected	63.4 Detected	Olf56	24.38461538	6.07692308	21.862069	5.4482759
A_55_P2072	44.4 Detected	888.5 Detected	259.2 Detected	1079.2 Detected	Prex1	24.30630631	5.83783784	1.2146314	0.2917276
A_55_P2348	2.9 Not Detect	3.6 Not Detect	3.5 Not Detect	70.4 Detected	4933417O13Rik	24.27586207	1.20689655	19.5555556	0.9722222
A_51_P4812	9.1 Not Detect	53.8 Detected	361.9 Detected	220.7 Detected	Bace2	24.25274725	39.7692308	4.10223048	6.7267658
A_55_P1965	58.4 Detected	837.9 Detected	250 Detected	1416 Detected	Dsc2	24.24657534	4.28082192	1.68993913	0.298365
A_55_P2119	3 Not Detect	3.7 Not Detect	3.7 Not Detect	72.3 Detected	Gm5737	24.1	1.23333333	19.5405405	1
A_52_P6298	4.9 Not Detect	15.1 Not Detect	109.3 Detected	118 Detected	Adh1	24.08163265	22.3061224	7.81456954	7.2384106
A_52_P6841	5.1 Not Detect	34 Detected	23.1 Detected	122.8 Detected	Dpf3	24.07843137	4.52941176	3.61176471	0.6794118
A_52_P1066	18.8 Detected	210 Detected	406.6 Detected	452.2 Detected	Tnfrsf11b	24.05319149	21.6276596	2.15333333	1.9361905
A_55_P1953	9.6 Not Detect	11.8 Not Detect	8.7 Not Detect	230.7 Detected	Olf1262	24.03125	0.90625	19.5508475	0.7372881
A_55_P2412	3.1 Not Detect	4.5 Not Detect	7.3 Not Detect	73.9 Detected	AW111846	23.83870968	2.35483871	16.4222222	1.6222222
A_55_P2148	199.7 Detected	652.2 Detected	1557.2 Detected	4722.4 Detected	Ncmap	23.64747121	7.79769654	7.2407237	2.3876112
A_52_P3004	69.1 Detected	85.8 Detected	1353.8 Detected	1632 Detected	Tcf23	23.61794501	19.5918958	19.020979	15.778555
A_55_P2019	30.8 Detected	667.6 Detected	502.8 Detected	726.7 Detected	Car12	23.59415584	16.3246753	1.08852606	0.7531456
A_52_P1753	143.5 Detected	480.9 Detected	3190.9 Detected	3381.1 Detected	Tfcp2l1	23.56167247	22.2362369	7.03077563	6.6352672
A_51_P4782	3 Not Detect	3.6 Not Detect	3.6 Not Detect	70.4 Detected	Tdrd1	23.46666667	1.2	19.5555556	1
A_51_P1654	40.8 Detected	158.5 Detected	558.8 Detected	956.5 Detected	Pblid2	23.44362745	13.6960784	6.03470032	3.5255521
A_55_P2094	2.6 Not Detect	2.9 Not Detect	3 Not Detect	60.8 Detected	Gm10367	23.38461538	1.15384615	20.9655172	1.0344828
A_55_P1974	3.3 Not Detect	8.3 Not Detect	3.6 Not Detect	77.1 Detected	Fsip2	23.36363636	1.09090909	9.28915663	0.4337349
A_66_P1364	2.9 Not Detect	3.6 Not Detect	3.5 Not Detect	67.3 Detected	Gm2287	23.20689655	1.20689655	18.6944444	0.9722222

A_55_P2076	45.3 Detected	41.8 Detected	40.5 Detected	1048.5 Compromis	Plekho2	23.14569536	0.89403974	25.0837321	0.9688995
A_55_P2342	2.9 Not Detect	3.5 Not Detect	3.5 Not Detect	67 Detected	Sorbs2os	23.10344828	1.20689655	19.1428571	1
A_55_P2011	52.8 Detected	34.3 Detected	197.2 Detected	1215.3 Detected	Tspan12	23.01704545	3.73484848	35.4314869	5.7492711
A_55_P2091	5.7 Not Detect	26.8 Detected	44.4 Detected	131 Detected	4933407118Rik	22.98245614	7.78947368	4.8880597	1.6567164
A_55_P1986	7.7 Not Detect	4.2 Not Detect	4.6 Not Detect	176.9 Detected	Pnpo	22.97402597	0.5974026	42.1190476	1.0952381
A_55_P1980	10.8 Not Detect	64.6 Detected	33.8 Detected	247.9 Detected	Hnf4g	22.9537037	3.12962963	3.8374613	0.5232198
A_55_P1989	11.9 Not Detect	16.6 Detected	18.1 Detected	273 Detected	Slco1a1	22.94117647	1.5210084	16.4457831	1.0903614
A_55_P2079	2.9 Not Detect	3.3 Not Detect	3.4 Not Detect	66.3 Detected	Olfr108	22.86206897	1.17241379	20.0909091	1.030303
A_55_P2056	5.4 Not Detect	8.4 Not Detect	6.4 Not Detect	123.2 Detected	Vmn1r148	22.81481481	1.18518519	14.6666667	0.7619048
A_52_P2678	142.9 Detected	1743.4 Detected	735.3 Detected	3234.8 Detected	Ces2g	22.63680896	5.14555633	1.85545486	0.4217621
A_55_P2181	2.8 Not Detect	3.2 Not Detect	3.2 Not Detect	63.3 Detected	Olfr1037	22.60714286	1.14285714	19.78125	1
A_55_P2321	4.8 Not Detect	3.8 Not Detect	3.8 Not Detect	108 Detected	AI314760	22.5	0.79166667	28.4210526	1
A_51_P4971	19.2 Detected	347.1 Detected	1093.4 Detected	431.3 Detected	Ly9	22.46354167	56.9479167	1.24258139	3.1501008
A_66_P1034	4.8 Not Detect	7.4 Not Detect	3.5 Not Detect	107.8 Detected	Vmn2r26	22.45833333	0.72916667	14.5675676	0.472973
A_51_P3700	334.8 Detected	1515.8 Detected	121 Detected	7490.8 Detected	Ceacam18	22.3739546	0.3614098	4.9418129	0.0798258
A_52_P6985	2.7 Not Detect	3.1 Not Detect	3.2 Not Detect	60.3 Detected	2610028E06Rik	22.33333333	1.18518519	19.4516129	1.0322581
A_52_P9615	4.9 Not Detect	4.9 Not Detect	7.8 Not Detect	108.7 Detected	Dsg2	22.18367347	1.59183673	22.1836735	1.5918367
A_51_P1876	15.1 Detected	20.2 Detected	21.8 Detected	334.6 Detected	Cabp2	22.1589404	1.44370861	16.5643564	1.0792079
A_55_P2360	3.2 Not Detect	10.3 Not Detect	5.5 Not Detect	70.7 Detected	4833411C07Rik	22.09375	1.71875	6.86407767	0.5339806
A_52_P3354	3 Not Detect	3.5 Not Detect	3.5 Not Detect	66.2 Detected	Dscaml1	22.06666667	1.16666667	18.9142857	1
A_51_P1014	559.8 Detected	1056.4 Detected	7767.8 Detected	12267.3 Detected	Dsp	21.91371919	13.8760272	11.6123627	7.353086
A_55_P2287	3 Not Detect	3.7 Not Detect	3.6 Not Detect	65.1 Detected	4930519N06Rik	21.7	1.2	17.5945946	0.972973
A_52_P4564	2.8 Not Detect	3.3 Not Detect	3.3 Not Detect	60.3 Detected	Ccdc81	21.53571429	1.17857143	18.2727273	1
A_51_P2974	2.9 Not Detect	3.4 Not Detect	3.4 Not Detect	62.4 Detected	Plcz1	21.51724138	1.17241379	18.3529412	1
A_55_P2289	2.9 Not Detect	3.4 Not Detect	3.4 Not Detect	62.2 Detected	1700121L16Rik	21.44827586	1.17241379	18.2941176	1
A_55_P2034	2.7 Not Detect	16.1 Detected	6 Not Detect	57.9 Detected	Sema6a	21.44444444	2.22222222	3.59627329	0.3726708
A_51_P3261	9.2 Not Detect	3.3 Not Detect	3.3 Not Detect	196.8 Detected	Serpina3g	21.39130435	0.35869565	59.6363636	1
A_55_P2422	5.7 Not Detect	17.8 Not Detect	195.3 Detected	121.3 Detected	9230112J17Rik	21.28070175	34.2631579	6.81460674	10.97191
A_52_P7312	5.6 Not Detect	5.6 Not Detect	3.8 Not Detect	118.9 Detected	Epb4.2	21.23214286	0.67857143	21.2321429	0.6785714
A_51_P2301	34.1 Detected	36.7 Detected	35.3 Detected	723.9 Compromis	A930018P22Rik	21.228739	1.03519062	19.7247956	0.9618529
A_55_P1957	2.6 Not Detect	6.9 Not Detect	3 Not Detect	55.1 Detected	Gm14374	21.19230769	1.15384615	7.98550725	0.4347826
A_51_P2562	1150.1 Detected	8328 Detected	14475.7 Detected	24339.6 Detected	Tspan13	21.1630293	12.5864707	2.92262248	1.7381964
A_55_P2163	3.1 Not Detect	19 Detected	18.9 Not Detect	65.6 Detected	Jph1	21.16129032	6.09677419	3.45263158	0.9947368
A_51_P3590	790.7 Detected	969.7 Detected	11116.9 Detected	16710.3 Detected	Slurp1	21.13355255	14.0595675	17.232443	11.464267
A_51_P2109	932.2 Detected	1404.4 Detected	13163.8 Detected	19650.1 Detected	Vcam1	21.07927483	14.1212186	13.9918114	9.3732555
A_55_P2340	16.5 Detected	14.1 Not Detect	13.2 Not Detect	347.8 Detected	Ppp1r12b	21.07878788	0.8	24.6666667	0.9361702
A_55_P1954	2.6 Not Detect	2.9 Not Detect	3 Not Detect	54.7 Detected	Il1rapl2	21.03846154	1.15384615	18.862069	1.0344828
A_55_P2157	2.8 Not Detect	3.4 Not Detect	3.4 Not Detect	58.6 Detected	Gpr158	20.92857143	1.21428571	17.2352941	1
A_55_P2413	67.8 Detected	220.2 Detected	1599.2 Detected	1417.3 Detected	Tfcp2l1	20.90412979	23.5870206	6.43642144	7.2624886
A_51_P2166	1861.4 Detected	9723.7 Detected	19945.4 Detected	38873 Detected	Anxa10	20.88374342	10.7152681	3.99775806	2.0512151

A_55_P2364	158.4 Detected	136.6 Detected	1367.2 Detected	3302.4 Detected	8030402F09Rik	20.84848485	8.63131313	24.1756955	10.008785
A_55_P2157	40.2 Detected	231.6 Detected	214.1 Detected	836.8 Detected	Bcl2l14	20.8159204	5.32587065	3.61312608	0.9244387
A_55_P2138	2.7 Not Detect	5.8 Not Detect	4 Not Detect	56.1 Detected	Samd7	20.77777778	1.48148148	9.67241379	0.6896552
A_55_P2011	3.1 Not Detect	3.8 Not Detect	3.8 Not Detect	63.8 Detected	Nlrp4b	20.58064516	1.22580645	16.7894737	1
A_55_P2121	6.4 Not Detect	11.9 Not Detect	9.5 Not Detect	131.3 Detected	Plcb4	20.515625	1.484375	11.0336134	0.7983193
A_55_P2000	3 Not Detect	3.5 Not Detect	3.6 Not Detect	61.5 Detected	Skor1	20.5	1.2	17.5714286	1.0285714
A_51_P4587	41.9 Detected	2869 Detected	3.4 Not Detect	858.9 Detected	Hpgd	20.49880668	0.08114558	0.2993726	0.0011851
A_51_P1448	123.4 Detected	30.4 Detected	1143.6 Detected	2526.2 Detected	9230104L09Rik	20.47163695	9.26742301	83.0986842	37.618421
A_55_P2012	2.9 Not Detect	3.4 Not Detect	3.4 Not Detect	58.6 Detected	Vmn1r121	20.20689655	1.17241379	17.2352941	1
A_55_P2029	211.7 Detected	1071.5 Detected	4189.9 Detected	4267 Detected	Cdh2	20.15588096	19.7916863	3.98226785	3.9103126
A_55_P2272	3.1 Not Detect	3.4 Not Detect	3.4 Not Detect	62.4 Detected	4933416O17Rik	20.12903226	1.09677419	18.3529412	1
A_51_P3242	18.5 Detected	39.1 Detected	21.1 Detected	372 Detected	Satb1	20.10810811	1.14054054	9.5140665	0.5396419
A_51_P3757	5.2 Not Detect	3.6 Not Detect	9.6 Not Detect	104.5 Detected	Hoxc10	20.09615385	1.84615385	29.0277778	2.6666667
A_52_P5747	62.3 Detected	76.5 Detected	807 Detected	1237.3 Detected	Rbpjl	19.86035313	12.953451	16.1738562	10.54902
A_55_P2112	7.1 Not Detect	28.5 Detected	129.6 Detected	141 Detected	Adh6a	19.85915493	18.2535211	4.94736842	4.5473684
A_55_P2095	558.8 Detected	1581.1 Detected	4200.5 Detected	11076.5 Detected	Ncmap	19.82193987	7.51700072	7.00556575	2.6566947
A_52_P1046	16.8 Detected	1659.2 Detected	28.4 Detected	332.5 Detected	Krt6a	19.79166667	1.69047619	0.20039778	0.0171167
A_55_P2125	3.1 Not Detect	20.7 Detected	3.8 Not Detect	61.2 Detected	Gm21064	19.74193548	1.22580645	2.95652174	0.1835749
A_52_P4233	6.3 Not Detect	8.1 Not Detect	7 Not Detect	123.3 Detected	Mos	19.57142857	1.11111111	15.2222222	0.8641975
A_55_P2119	5 Not Detect	73.5 Detected	21.1 Detected	97.8 Detected	Ikzf4	19.56	4.22	1.33061224	0.2870748
A_51_P3899	752.9 Detected	4559.4 Detected	6244.4 Detected	14689.5 Detected	Slc40a1	19.51055917	8.29379732	3.2218055	1.3695662
A_52_P2091	8 Not Detect	15 Not Detect	3.6 Not Detect	156 Detected	Ncam2	19.5	0.45	10.4	0.24
A_55_P1977	2.8 Not Detect	3.1 Not Detect	6.4 Not Detect	54.4 Detected	Dab2	19.42857143	2.28571429	17.5483871	2.0645161
A_52_P3911	14.2 Detected	46.4 Detected	42.4 Detected	275.5 Detected	Ryr1	19.40140845	2.98591549	5.9375	0.9137931
A_55_P1977	3 Not Detect	3.5 Not Detect	3.6 Not Detect	58.1 Detected	Gm3669	19.36666667	1.2	16.6	1.0285714
A_66_P1321	3.1 Not Detect	3.8 Not Detect	3.8 Not Detect	60 Detected	Gm536	19.35483871	1.22580645	15.7894737	1
A_51_P4603	10.4 Not Detect	4.9 Not Detect	41.2 Detected	200.6 Detected	Apoc4	19.28846154	3.96153846	40.9387755	8.4081633
A_55_P1966	13.7 Detected	21 Detected	17.9 Detected	263.8 Detected	Krt83	19.25547445	1.30656934	12.5619048	0.852381
A_51_P2195	2.8 Not Detect	3.3 Not Detect	3.3 Not Detect	53.9 Detected	1700123K08Rik	19.25	1.17857143	16.3333333	1
A_55_P2009	3.7 Not Detect	9.4 Not Detect	3.8 Not Detect	70.8 Detected	LOC101055773	19.13513514	1.02702703	7.53191489	0.4042553
A_51_P3513	5.2 Not Detect	34 Detected	3.3 Not Detect	99.4 Detected	Upk2	19.11538462	0.63461538	2.92352941	0.0970588
A_55_P2000	140 Detected	712.1 Detected	2583.6 Detected	2672.6 Detected	Cdh2	19.09	18.4542857	3.75312456	3.6281421
A_52_P3828	7.8 Not Detect	849.3 Detected	6.5 Not Detect	148.7 Detected	Gjb2	19.06410256	0.83333333	0.17508536	0.0076534
A_66_P1075	17.7 Detected	15 Not Detect	26.5 Detected	337.3 Detected	Rhox3a	19.05649718	1.49717514	22.4866667	1.7666667
A_52_P3864	2.9 Not Detect	8.4 Not Detect	4.6 Not Detect	55.2 Detected	Gpa33	19.03448276	1.5862069	6.57142857	0.547619
A_51_P4347	286.6 Detected	151.9 Detected	3641.6 Detected	5453.3 Detected	Fam83e	19.02756455	12.7062107	35.9005925	23.973667
A_52_P6470	9 Not Detect	74.2 Detected	598.1 Detected	170.8 Detected	Foxa3	18.97777778	66.4555556	2.30188679	8.0606469
A_52_P1939	69.8 Detected	186 Detected	327.1 Detected	1321.4 Detected	Sulf2	18.93123209	4.68624642	7.10430108	1.7586022
A_55_P2037	150 Detected	384.4 Detected	2047.1 Detected	2837 Detected	Slc22a18	18.91333333	13.6473333	7.38033299	5.3254422
A_51_P3953	29.1 Detected	41.7 Detected	42.6 Detected	548.4 Detected	Ptprt	18.84536082	1.46391753	13.1510791	1.0215827

A_51_P4515	26.3	Detected	29	Detected	16	Not Detect	494.7	Compromis	Plekhhb1	18.80988593	0.60836502	17.0586207	0.5517241
A_55_P2187	3	Not Detect	3.7	Not Detect	3.7	Not Detect	56.4	Detected	1700096J18Rik	18.8	1.23333333	15.2432432	1
A_66_P1382	9.9	Not Detect	7	Not Detect	8.7	Not Detect	185	Detected	Gm4371	18.68686869	0.87878788	26.4285714	1.2428571
A_51_P2556	242.6	Detected	2693.6	Detected	4526.7	Detected	4515.7	Detected	2210011C24Rik	18.61376752	18.6591096	1.6764553	1.6805391
A_52_P5906	3.1	Not Detect	5.3	Not Detect	16	Not Detect	57.7	Detected	Nlrp10	18.61290323	5.16129032	10.8867925	3.0188679
A_52_P4136	3.1	Not Detect	44.8	Detected	28.8	Detected	57.7	Detected	Bmp6	18.61290323	9.29032258	1.28794643	0.6428571
A_51_P3865	8	Not Detect	478.4	Detected	4	Not Detect	148.6	Detected	Rnf125	18.575	0.5	0.31061873	0.0083612
A_52_P4753	3	Not Detect	14.9	Not Detect	3.6	Not Detect	55.5	Detected	Sox6	18.5	1.2	3.72483221	0.2416107
A_55_P2071	6	Not Detect	8.8	Not Detect	74.9	Detected	110.7	Detected	Fer114	18.45	12.4833333	12.5795455	8.5113636
A_52_P6523	3	Not Detect	8.6	Not Detect	8	Not Detect	55.3	Detected	Lhx1	18.43333333	2.66666667	6.43023256	0.9302326
A_55_P1979	179.8	Detected	344.6	Detected	3622.3	Detected	3310.2	Detected	Clic3	18.41045606	20.1462736	9.60591991	10.511608
A_52_P2691	2.8	Not Detect	3.3	Not Detect	3.3	Not Detect	51.4	Detected	Pid1	18.35714286	1.17857143	15.5757576	1
A_51_P1184	2.7	Not Detect	19.8	Detected	5.8	Not Detect	49.5	Detected	Themis3	18.33333333	2.14814815	2.5	0.2929293
A_52_P4427	3.1	Not Detect	18.8	Not Detect	4.3	Not Detect	56.2	Detected	Ndnf	18.12903226	1.38709677	2.9893617	0.2287234
A_55_P1964	8	Not Detect	111.2	Detected	24.6	Detected	144.9	Detected	Zmynd12	18.1125	3.075	1.30305755	0.221223
A_55_P1992	60.7	Detected	39.6	Detected	122.4	Detected	1097	Detected	Slx	18.07248764	2.01647446	27.7020202	3.0909091
A_55_P2029	218.3	Detected	656.7	Detected	1865	Detected	3945.1	Detected	Stk32a	18.07191938	8.54328905	6.00746155	2.8399574
A_51_P4525	4.2	Not Detect	21	Detected	60.2	Detected	75.9	Detected	Zfp459	18.07142857	14.3333333	3.61428571	2.8666667
A_51_P1855	2.9	Not Detect	3.6	Not Detect	42.3	Detected	52.4	Detected	Ankdd1b	18.06896552	14.5862069	14.5555556	11.75
A_55_P2190	2.9	Not Detect	26.2	Detected	5.1	Not Detect	52.4	Detected	9130007G19Rik	18.06896552	1.75862069	2	0.1946565
A_55_P2109	12.4	Not Detect	52.7	Detected	94.7	Detected	223.8	Detected	Ache	18.0483871	7.63709677	4.24667932	1.7969639
A_55_P2043	38.5	Detected	305.4	Detected	703.6	Detected	692.9	Detected	Zfp677	17.9974026	18.2753247	2.26882777	2.3038638
A_52_P2817	3.9	Not Detect	39	Detected	3.6	Not Detect	70.1	Detected	Igfbp5	17.97435897	0.92307692	1.7974359	0.0923077
A_55_P2069	2.9	Not Detect	3	Not Detect	3.1	Not Detect	51.9	Detected	Sprp2b	17.89655172	1.06896552	17.3	1.0333333
A_52_P3765	2.7	Not Detect	3.1	Not Detect	3.2	Not Detect	48.3	Detected	Clec16a	17.88888889	1.18518519	15.5806452	1.0322581
A_55_P2099	27.7	Detected	87.3	Detected	159.8	Detected	495.3	Detected	Neil2	17.88086643	5.76895307	5.67353952	1.8304696
A_55_P1972	3.1	Not Detect	6.7	Not Detect	3.8	Not Detect	55.2	Detected	Nox4	17.80645161	1.22580645	8.23880597	0.5671642
A_52_P6164	2.7	Not Detect	6	Not Detect	3.1	Not Detect	47.9	Detected	Ccdc73	17.74074074	1.14814815	7.98333333	0.5166667
A_55_P2083	5.2	Not Detect	21	Detected	23.1	Detected	91.8	Detected	Robo2	17.65384615	4.44230769	4.37142857	1.1
A_55_P2158	2.7	Not Detect	3.2	Not Detect	88.6	Detected	47.5	Detected	Cyp2c54	17.59259259	32.8148148	14.84375	27.6875
A_55_P1984	3.4	Not Detect	3.4	Not Detect	3.5	Not Detect	59.8	Detected	Klk1b16	17.58823529	1.02941176	17.5882353	1.0294118
A_55_P2157	237.7	Detected	724.4	Detected	7250.5	Detected	4173.2	Detected	Bace2	17.55658393	30.5027345	5.76090558	10.008973
A_55_P2130	2.7	Not Detect	13.3	Not Detect	9.1	Not Detect	47.4	Detected	Chrna1	17.55555556	3.37037037	3.56390977	0.6842105
A_51_P2051	29	Detected	124.5	Detected	73.9	Detected	507.1	Detected	Mlf1	17.4862069	2.54827586	4.07309237	0.5935743
A_52_P3203	2.7	Not Detect	13.3	Not Detect	31.7	Detected	46.7	Detected	Mrgprb3	17.2962963	11.7407407	3.5112782	2.3834586
A_55_P1972	3	Not Detect	5.5	Not Detect	3.7	Not Detect	51.8	Detected	Gm15340	17.26666667	1.23333333	9.41818182	0.6727273
A_66_P1151	3.1	Not Detect	3.8	Not Detect	9.2	Not Detect	53.4	Detected	Spag8	17.22580645	2.96774194	14.0526316	2.4210526
A_51_P2754	2.8	Not Detect	3.3	Not Detect	3.3	Not Detect	48.2	Detected	Trim30a	17.21428571	1.17857143	14.6060606	1
A_52_P1630	4.6	Not Detect	22.7	Detected	3.6	Not Detect	79	Detected	Slc17a8	17.17391304	0.7826087	3.48017621	0.1585903
A_55_P2039	16.7	Detected	1330.1	Detected	687.9	Detected	286.8	Detected	Frrmpd1	17.17365269	41.1916168	0.21562289	0.5171792

A_55_P2042	2.9 Not Detect	12.6 Not Detect	3.2 Not Detect	49.8 Detected	1010001N08Rik	17.17241379	1.10344828	3.95238095	0.2539683
A_55_P2069	4.3 Not Detect	3.5 Not Detect	3.2 Not Detect	73.8 Detected	Olf346	17.1627907	0.74418605	21.0857143	0.9142857
A_55_P2098	6.3 Not Detect	11.4 Not Detect	3.6 Not Detect	107.9 Detected	Gm6600	17.12698413	0.57142857	9.46491228	0.3157895
A_51_P2579	152.1 Detected	1310.4 Detected	863.3 Detected	2600.2 Detected	Tnfsf13b	17.09533202	5.67587114	1.98427961	0.6588065
A_51_P3312	5.6 Not Detect	22.1 Detected	328.1 Detected	95.5 Detected	Akr1b7	17.05357143	58.5892857	4.32126697	14.846154
A_55_P1998	64.2 Detected	46.5 Detected	94.7 Detected	1093.4 Detected	Gm2030	17.03115265	1.47507788	23.5139785	2.0365591
A_55_P2314	9.7 Not Detect	14.3 Not Detect	6.9 Not Detect	165.2 Detected	C130012C08Rik	17.03092784	0.71134021	11.5524476	0.4825175
A_51_P3041	2.7 Not Detect	2.9 Not Detect	37.2 Detected	45.9 Detected	Cyp2c39	17	13.7777778	15.8275862	12.827586
A_66_P1074	3 Not Detect	3.4 Not Detect	4.7 Not Detect	50.9 Detected	1700003E24Rik	16.96666667	1.56666667	14.9705882	1.3823529
A_55_P2111	111 Detected	1404.2 Detected	245.5 Detected	1878 Detected	Trpv6	16.91891892	2.21171171	1.33741632	0.1748326
A_66_P1109	24.7 Detected	12.8 Not Detect	18.9 Detected	417.3 Detected	Ube3a	16.89473684	0.76518219	32.6015625	1.4765625
A_51_P1675	2.9 Not Detect	3.4 Not Detect	3.4 Not Detect	48.9 Detected	Lum	16.86206897	1.17241379	14.3823529	1
A_55_P1956	2.8 Not Detect	3.3 Not Detect	3.4 Not Detect	47.2 Detected	Smpx	16.85714286	1.21428571	14.3030303	1.030303
A_65_P1983	10.3 Not Detect	19 Detected	2941.2 Detected	173.5 Detected	Ttr	16.84466019	285.553398	9.13157895	154.8
A_51_P4227	28.3 Detected	29.6 Detected	1386.1 Detected	475.5 Detected	C1ca3	16.80212014	48.9787986	16.0641892	46.827703
A_55_P2097	257.5 Detected	1129.4 Detected	2159.8 Detected	4323.1 Detected	Gmfg	16.78873786	8.38757282	3.82778466	1.9123428
A_55_P2069	10.7 Not Detect	159.1 Detected	21.5 Detected	179.5 Detected	Ptpn18	16.77570093	2.00934579	1.12822124	0.1351351
A_55_P2012	2.8 Not Detect	3.3 Not Detect	3.3 Not Detect	46.9 Detected	Kcnh4	16.75	1.17857143	14.2121212	1
A_51_P4514	66.1 Detected	302.2 Detected	810.6 Detected	1107 Detected	Marveld2	16.7473525	12.2632375	3.663137	2.6823296
A_51_P2764	520.3 Detected	145.2 Detected	7408 Detected	8656.7 Detected	4930486L24Rik	16.63790121	14.2379397	59.619146	51.019284
A_55_P2362	3 Not Detect	3.4 Not Detect	5.9 Not Detect	49.7 Detected	Slc9a3	16.56666667	1.96666667	14.6176471	1.7352941
A_51_P1635	40.2 Detected	7 Not Detect	1430.5 Detected	665.4 Detected	Ugt2b35	16.55223881	35.5845771	95.0571429	204.35714
A_51_P2507	11.4 Not Detect	146.2 Detected	10.9 Not Detect	188.2 Detected	G1rb	16.50877193	0.95614035	1.2872777	0.0745554
A_55_P2005	19.6 Detected	176.4 Detected	72.5 Detected	321.9 Detected	Ces2c	16.42346939	3.69897959	1.82482993	0.4109977
A_55_P1990	5.1 Not Detect	3 Not Detect	3.1 Not Detect	83.7 Detected	Vmn2r48	16.41176471	0.60784314	27.9	1.0333333
A_55_P2046	84.1 Detected	1171 Detected	2455.2 Detected	1377.3 Detected	Rcn3	16.37693222	29.1938169	1.17617421	2.0966695
A_55_P2035	8.9 Not Detect	5.3 Not Detect	6.9 Not Detect	144.5 Detected	Pla2g10	16.23595506	0.7752809	27.2641509	1.3018868
A_52_P1885	41 Detected	231.8 Detected	133.3 Detected	665.5 Detected	Ccdc149	16.23170732	3.25121951	2.87100949	0.5750647
A_51_P1731	77.9 Detected	490.2 Detected	103.7 Detected	1251.9 Detected	Cdhr1	16.07060334	1.33119384	2.55385557	0.2115463
A_51_P4364	23.8 Detected	135.4 Detected	3.8 Not Detect	382 Detected	Lingo3	16.05042017	0.15966387	2.82127031	0.028065
A_55_P1970	91.9 Detected	123.9 Detected	362.4 Detected	1475 Detected	Hoxa13	16.05005441	3.94341676	11.9047619	2.9249395
A_52_P3803	43.8 Detected	379.3 Detected	42.4 Detected	700.4 Detected	Unc5c	15.99086758	0.96803653	1.84655945	0.1117849
A_55_P2337	5.1 Not Detect	3.7 Not Detect	3.7 Not Detect	81.4 Detected	Usmg2	15.96078431	0.7254902	22	1
A_52_P8809	12.9 Not Detect	36.7 Detected	139.3 Detected	205.2 Detected	Dsg2	15.90697674	10.7984496	5.59128065	3.7956403
A_52_P2353	2.8 Not Detect	10.5 Not Detect	19.2 Detected	44.5 Not Detect	Fgf21	15.89285714	6.85714286	4.23809524	1.8285714
A_55_P2028	2.7 Not Detect	3 Not Detect	3.1 Not Detect	42.8 Detected	Adam22	15.85185185	1.14814815	14.2666667	1.0333333
A_66_P1121	13.8 Not Detect	9 Not Detect	47 Detected	218 Detected	Gm4598	15.79710145	3.4057971	24.2222222	5.2222222
A_51_P3435	102.5 Detected	651 Detected	55.8 Detected	1612.8 Detected	Ly6d	15.73463415	0.54439024	2.47741935	0.0857143
A_55_P2000	42 Detected	219.3 Detected	311 Detected	659.8 Detected	Tgfb1i1	15.70952381	7.4047619	3.00866393	1.4181487
A_55_P2012	3.2 Not Detect	3.9 Not Detect	45.7 Detected	50.2 Not Detect	Spata6	15.6875	14.28125	12.8717949	11.717949

A_52_P3802	10.7 Not Detect	374.8 Detected	3.5 Not Detect	167.3 Detected	Podxl	15.63551402	0.3271028	0.4463714	0.0093383
A_55_P2075	519.5 Detected	2241.6 Detected	7042.5 Detected	8117.4 Detected	Cd302	15.62540905	13.5563041	3.62125268	3.1417291
A_51_P3720	3.5 Not Detect	8.8 Not Detect	3 Not Detect	54.6 Detected	Tarm1	15.6	0.85714286	6.20454545	0.3409091
A_51_P4119	104.5 Detected	666.3 Detected	3.8 Not Detect	1626.5 Detected	Gata6	15.5645933	0.03636364	2.4410926	0.0057031
A_55_P2183	12.2 Not Detect	15.2 Not Detect	6.5 Not Detect	189.8 Detected	Olf47	15.55737705	0.53278689	12.4868421	0.4276316
A_52_P4668	322.9 Detected	1475.6 Detected	2813.2 Detected	5018 Detected	Bmyc	15.54041499	8.71229483	3.40065058	1.9064787
A_55_P2064	2.7 Not Detect	3 Not Detect	22.1 Detected	41.8 Not Detect	Vipr1	15.48148148	8.18518519	13.9333333	7.3666667
A_55_P1953	4.6 Not Detect	78.7 Detected	18.8 Detected	71.1 Detected	Etv2	15.45652174	4.08695652	0.90343075	0.2388818
A_51_P2655	31.7 Detected	171.7 Detected	53.7 Detected	489.5 Detected	Adm	15.44164038	1.69400631	2.85090274	0.3127548
A_55_P2018	5.6 Not Detect	9.7 Not Detect	4.2 Not Detect	86.3 Detected	Olf1362	15.41071429	0.75	8.89690722	0.4329897
A_55_P2009	4.7 Not Detect	3.7 Not Detect	10.3 Not Detect	72.4 Detected	4932414J04Rik	15.40425532	2.19148936	19.5675676	2.7837838
A_51_P4564	3.9 Not Detect	11 Not Detect	46.6 Detected	59.9 Detected	Cldn10	15.35897436	11.9487179	5.44545455	4.2363636
A_55_P2155	3.5 Not Detect	3.2 Not Detect	3.3 Not Detect	53.4 Detected	Dytn	15.25714286	0.94285714	16.6875	1.03125
A_55_P2009	50.7 Detected	10 Not Detect	20.4 Detected	764.1 Detected	Xlr	15.07100592	0.40236686	76.41	2.04
A_51_P4317	28.5 Detected	292.8 Detected	259.5 Detected	429 Detected	Myom2	15.05263158	9.10526316	1.46516393	0.8862705
A_55_P2092	15.2 Not Detect	108.8 Detected	364.3 Detected	228.1 Detected	Car9	15.00657895	23.9671053	2.09650735	3.3483456
A_51_P1169	774 Detected	5337.1 Detected	8080.6 Detected	11600.4 Detected	Lad1	14.9875969	10.4400517	2.17353994	1.5140432
A_55_P2081	8.1 Not Detect	13.7 Not Detect	144.5 Detected	121.1 Detected	Pglyrp1	14.95061728	17.8395062	8.83941606	10.547445
A_55_P2283	9 Not Detect	18.9 Detected	12.5 Not Detect	133.8 Detected	5830428M24Rik	14.86666667	1.38888889	7.07936508	0.6613757
A_55_P2097	5.6 Not Detect	3.7 Not Detect	3.6 Not Detect	83.2 Detected	Olf1287	14.85714286	0.64285714	22.4864865	0.972973
A_55_P2109	24.9 Detected	71.8 Detected	109.6 Detected	369.9 Detected	Ache	14.85542169	4.40160643	5.15181058	1.5264624
A_52_P3224	1712.8 Detected	17480.6 Detected	21423.7 Detected	25279.6 Detected	Mpzi2	14.75922466	12.5079986	1.44615173	1.2255701
A_51_P4835	125.6 Detected	89.6 Detected	1397.9 Detected	1849.7 Detected	Aass	14.72691083	11.1297771	20.6439732	15.601563
A_51_P5140	30.1 Detected	3.9 Not Detect	591.1 Detected	442.9 Detected	Cma1	14.71428571	19.6378738	113.564103	151.5641
A_66_P1251	11.5 Not Detect	9.7 Not Detect	3.9 Not Detect	168.4 Detected	4931408C20Rik	14.64347826	0.33913043	17.3608247	0.4020619
A_55_P2131	13.3 Not Detect	392 Detected	10.5 Not Detect	194.7 Detected	Prrx1	14.63909774	0.78947368	0.49668367	0.0267857
A_51_P3088	2.7 Not Detect	23.1 Detected	3.2 Not Detect	39.5 Not Detect	Nrn1	14.62962963	1.18518519	1.70995671	0.1385281
A_55_P2053	2.7 Not Detect	87.1 Detected	3.1 Not Detect	39.5 Not Detect	Nefh	14.62962963	1.14814815	0.45350172	0.0355913
A_55_P1957	2.9 Not Detect	6 Not Detect	113.5 Detected	42.3 Not Detect	Sulf1	14.5862069	39.137931	7.05	18.916667
A_52_P6888	3.7 Not Detect	3.1 Not Detect	5.7 Not Detect	53.8 Detected	Defb14	14.54054054	1.54054054	17.3548387	1.8387097
A_51_P2108	19 Detected	18.9 Detected	16 Not Detect	276.2 Detected	Nudt18	14.53684211	0.84210526	14.6137566	0.8465608
A_55_P2109	43.3 Detected	576.8 Detected	123.6 Detected	628 Detected	Rgs2	14.5034642	2.85450346	1.0887656	0.2142857
A_51_P3300	12.1 Not Detect	29.2 Detected	9.2 Not Detect	175.2 Detected	Cyp2j9	14.47933884	0.76033058	6	0.3150685
A_55_P2373	16.2 Detected	16.6 Not Detect	4.7 Not Detect	234.1 Detected	A330072L02Rik	14.45061728	0.29012346	14.1024096	0.2831325
A_51_P1261	12.5 Not Detect	104 Detected	61.7 Detected	180.3 Detected	Dapk2	14.4	4.936	1.73365385	0.5932692
A_51_P3067	88.4 Detected	172.2 Detected	414.3 Detected	1271.8 Detected	Cldn15	14.38687783	4.68665158	7.38559814	2.4059233
A_55_P1963	4.5 Not Detect	4.6 Not Detect	5.1 Not Detect	64.7 Detected	Scimp	14.37777778	1.13333333	14.0652174	1.1086957
A_55_P2070	13.7 Detected	22.2 Detected	8 Not Detect	196.8 Detected	Gas1	14.3649635	0.58394161	8.86486486	0.3603604
A_52_P4672	21 Detected	164.3 Detected	150 Detected	300.6 Detected	Il1rap	14.31428571	7.14285714	1.82958004	0.9129641
A_52_P1215	586.8 Detected	1231.4 Detected	8739.8 Detected	8377.7 Detected	Pllp	14.2769257	14.8940014	6.80339451	7.0974501

A_55_P2099	14.5 Not Detect	66.2 Detected	63.5 Detected	207 Detected	Lrrc51	14.27586207	4.37931034	3.12688822	0.9592145
A_55_P2013	89 Detected	153.4 Detected	890.8 Detected	1269.1 Detected	Gal3st1	14.25955056	10.0089888	8.27314211	5.8070404
A_51_P2438	5.2 Not Detect	7.2 Not Detect	7.8 Not Detect	74 Detected	Traf3ip3	14.23076923	1.5	10.2777778	1.0833333
A_51_P1396	15361.5 Detected	174068.5 Detected	41619.7 Detected	218418.9 Detected	Sprr1a	14.21859193	2.7093513	1.25478705	0.2390995
A_55_P2126	24.5 Detected	22.6 Detected	21 Detected	347.8 Detected	1600014K23Rik	14.19591837	0.85714286	15.3893805	0.9292035
A_51_P2869	124.9 Detected	1353.3 Detected	112.9 Detected	1772.7 Detected	Lhpp	14.19295436	0.90392314	1.30990911	0.0834257
A_51_P2792	25.4 Detected	190.7 Detected	302 Detected	360.1 Detected	Dennd2d	14.17716535	11.8897638	1.88830624	1.5836392
A_55_P2282	36.7 Detected	72.4 Detected	232.5 Detected	519.8 Detected	2210011K15Rik	14.16348774	6.33514986	7.17955801	3.211326
A_55_P2295	15.4 Detected	4.7 Not Detect	25.6 Detected	217.2 Detected	9430083A17Rik	14.1038961	1.66233766	46.212766	5.4468085
A_55_P2099	3.8 Not Detect	3.5 Not Detect	5.5 Not Detect	53.4 Detected	1700021F02Rik	14.05263158	1.44736842	15.2571429	1.5714286
A_55_P2045	6 Not Detect	22.3 Detected	79.7 Detected	84.3 Detected	Fam83b	14.05	13.2833333	3.78026906	3.573991
A_55_P2053	14.9 Detected	40.1 Detected	26.1 Detected	208.8 Detected	Zfr2	14.01342282	1.75167785	5.20698254	0.6508728
A_51_P3080	184.9 Detected	404.3 Detected	998.6 Detected	2580.7 Detected	Cmtm8	13.9572742	5.40075717	6.38313134	2.4699481
A_51_P2592	2070.8 Detected	3331.7 Detected	13861.5 Detected	28787.5 Detected	Lpl	13.90163222	6.69378984	8.64048384	4.1604886
A_55_P2227	3 Not Detect	3.7 Not Detect	102.5 Detected	41.7 Not Detect	5330411J11Rik	13.9	34.1666667	11.2702703	27.702703
A_55_P2174	12.7 Not Detect	6.7 Not Detect	5.5 Not Detect	176 Detected	Pgpep1l	13.85826772	0.43307087	26.2686567	0.8208955
A_51_P1092	153.1 Detected	357.6 Detected	2420.9 Detected	2119.6 Detected	Cys1	13.84454605	15.8125408	5.92729306	6.7698546
A_51_P3449	4.8 Not Detect	3.2 Not Detect	3.1 Not Detect	66.4 Detected	6820408C15Rik	13.83333333	0.64583333	20.75	0.96875
A_66_P1090	12.7 Not Detect	5.3 Not Detect	9.2 Not Detect	175.5 Detected	4930534H18Rik	13.81889764	0.72440945	33.1132075	1.7358491
A_51_P1226	64.5 Detected	68 Detected	1043 Detected	890.4 Detected	Liph	13.80465116	16.1705426	13.0941176	15.338235
A_52_P4380	11.1 Not Detect	133.2 Detected	20.5 Detected	153.2 Detected	Lpar4	13.8018018	1.84684685	1.15015015	0.1539039
A_55_P2175	250.7 Detected	1057.9 Detected	1405.1 Detected	3451.9 Detected	Ano9	13.76904667	5.60470682	3.26297382	1.3281974
A_55_P2102	5.8 Not Detect	17 Not Detect	4.4 Not Detect	79.8 Detected	B3gntl1	13.75862069	0.75862069	4.69411765	0.2588235
A_51_P3862	10.3 Not Detect	31.9 Detected	194.3 Detected	141.6 Detected	Cyp2d12	13.74757282	18.8640777	4.43887147	6.0909091
A_51_P1375	12.5 Not Detect	202 Detected	38.1 Detected	171.7 Detected	Etv2	13.736	3.048	0.85	0.1886139
A_55_P1999	108.8 Detected	417.4 Detected	405.1 Detected	1491.7 Detected	Lrrc51	13.71047794	3.72334559	3.57379013	0.9705319
A_52_P6637	6.3 Not Detect	26 Detected	11.7 Not Detect	86 Detected	Tnik	13.65079365	1.85714286	3.30769231	0.45
A_52_P4749	17.6 Detected	15.2 Not Detect	39.4 Detected	239.9 Detected	Col20a1	13.63068182	2.23863636	15.7828947	2.5921053
A_52_P5224	9.1 Not Detect	77.2 Detected	97.4 Detected	124 Detected	Hsh2d	13.62637363	10.7032967	1.60621762	1.261658
A_55_P2041	19.4 Detected	38 Detected	36.9 Detected	264.3 Detected	Gm10354	13.62371134	1.90206186	6.95526316	0.9710526
A_55_P1993	36.8 Detected	33.3 Detected	65.5 Detected	497.9 Detected	Gm5168	13.5298913	1.7798913	14.951952	1.966967
A_51_P2200	28.8 Detected	92.5 Detected	106 Detected	389.6 Detected	Mmp15	13.52777778	3.68055556	4.21189189	1.1459459
A_66_P1150	19.1 Detected	20.3 Detected	27.9 Detected	257.3 Detected	Nfia	13.47120419	1.46073298	12.6748768	1.3743842
A_52_P4104	30.6 Detected	44.7 Detected	1314.7 Detected	412 Detected	2310057J18Rik	13.46405229	42.9640523	9.21700224	29.411633
A_55_P2179	11.7 Not Detect	16.1 Not Detect	22.3 Detected	157.3 Detected	Ciita	13.44444444	1.90598291	9.77018634	1.3850932
A_55_P2055	140.8 Detected	877.6 Detected	137.9 Detected	1891 Detected	Spint1	13.43039773	0.97940341	2.1547402	0.1571331
A_55_P2099	304.6 Detected	283.9 Detected	24.8 Detected	4071.7 Detected	Slc24a3	13.36736704	0.08141825	14.3420218	0.0873547
A_52_P5702	167.9 Detected	749.7 Detected	201.8 Detected	2244 Detected	Kbtbd11	13.36509827	1.2019059	2.99319728	0.2691743
A_55_P2400	10.5 Not Detect	21.4 Detected	10.6 Not Detect	139.9 Detected	4933430A20Rik	13.32380952	1.00952381	6.53738318	0.4953271
A_52_P2578	700.7 Detected	1114.2 Detected	4907.4 Detected	9332.3 Detected	Lpl	13.3185386	7.00356786	8.37578532	4.4044157

A_55_P1958	5.4 Not Detect	8.2 Not Detect	6.6 Not Detect	71.5 Detected	A530032D15Rik	13.24074074	1.22222222	8.7195122	0.804878
A_55_P2125	99.5 Detected	473.7 Detected	1190.9 Detected	1316.5 Detected	Esam	13.23115578	11.9688442	2.77918514	2.5140384
A_51_P2006	235.4 Detected	405.7 Detected	940.7 Detected	3112.5 Detected	Clmn	13.22217502	3.99617672	7.67192507	2.3187084
A_51_P3411	410.9 Detected	2374.1 Detected	341.8 Detected	5386.9 Detected	Spint1	13.11000243	0.83183256	2.26902826	0.1439703
A_55_P2119	17.5 Detected	3.9 Not Detect	3.5 Not Detect	228.4 Detected	Srrm3	13.05142857	0.2	58.5641026	0.8974359
A_52_P3436	42.2 Detected	466.1 Detected	230.3 Detected	548.7 Detected	Rbp7	13.00236967	5.45734597	1.17721519	0.4941
A_52_P5891	619.4 Detected	917.9 Detected	3233.6 Detected	8022.7 Detected	Fam101b	12.95237326	5.220536	8.74027672	3.5228238
A_55_P1970	35.7 Detected	84.6 Detected	32.5 Detected	461.8 Detected	AA792892	12.93557423	0.91036415	5.45862884	0.3841608
A_51_P1991	11.5 Not Detect	41.3 Detected	45 Detected	148.4 Detected	Cidea	12.90434783	3.91304348	3.59322034	1.0895884
A_51_P3179	3002.8 Detected	22465.5 Detected	33386 Detected	38655.7 Detected	Perp	12.87321833	11.1182896	1.72066947	1.4861009
A_51_P4713	10.7 Not Detect	17.1 Detected	41.2 Detected	137.1 Detected	Ccdc64b	12.81308411	3.85046729	8.01754386	2.4093567
A_51_P1830	11.9 Not Detect	224.2 Detected	927.9 Detected	152.3 Detected	Upb1	12.79831933	77.9747899	0.67930419	4.1387154
A_51_P2199	1124.5 Detected	6871.7 Detected	5753.6 Detected	14366.1 Detected	Tmem125	12.77554469	5.11658515	2.09061804	0.8372892
A_55_P2369	23.6 Detected	39.6 Detected	72.4 Detected	300.8 Detected	9530018H14Rik	12.74576271	3.06779661	7.5959596	1.8282828
A_55_P2102	6.3 Not Detect	3.5 Not Detect	221.5 Detected	80 Detected	Elfn1	12.6984127	35.1587302	22.8571429	63.285714
A_55_P2072	20.1 Detected	324.1 Detected	22.6 Detected	254.7 Detected	Cnksr2	12.67164179	1.12437811	0.78586856	0.0697316
A_55_P1995	16.4 Detected	19 Detected	28.2 Detected	207 Detected	Zfp605	12.62195122	1.7195122	10.8947368	1.4842105
A_55_P2118	23.9 Detected	175.8 Detected	88 Detected	301.2 Detected	Otop2	12.60251046	3.68200837	1.71331058	0.5005688
A_51_P4793	8.8 Not Detect	51.1 Detected	171.9 Detected	110.6 Detected	Acss1	12.56818182	19.5340909	2.16438356	3.3639922
A_51_P3310	799.3 Detected	424.4 Detected	6353.6 Detected	10022.7 Detected	Sema4g	12.53934693	7.94895534	23.616164	14.970782
A_51_P4571	30.9 Detected	72 Detected	601.6 Detected	387.1 Detected	Sfrp4	12.52750809	19.4692557	5.37638889	8.3555556
A_55_P2095	9.4 Not Detect	81.8 Detected	187.8 Detected	117.6 Detected	Abca4	12.5106383	19.9787234	1.43765281	2.2958435
A_55_P2035	21.8 Detected	1535 Detected	3.3 Not Detect	271.7 Detected	Hpgd	12.46330275	0.15137615	0.17700326	0.0021498
A_51_P4338	96.9 Detected	933.4 Detected	326.3 Detected	1203.9 Detected	Vegfc	12.42414861	3.36738906	1.28980073	0.3495822
A_51_P1596	15.4 Detected	500.1 Detected	180.9 Detected	191.2 Detected	Hebp2	12.41558442	11.7467532	0.38232354	0.3617277
A_55_P2025	11.1 Not Detect	13 Not Detect	311.1 Detected	137.8 Detected	Muc4	12.41441441	28.027027	10.6	23.930769
A_55_P2009	51.3 Detected	194.5 Detected	1420.2 Detected	636.1 Detected	Ppp1r14d	12.39961014	27.6842105	3.27043702	7.3017995
A_55_P1968	83.4 Detected	343.4 Detected	699.6 Detected	1024.4 Detected	Prph	12.28297362	8.38848921	2.98311008	2.0372743
A_51_P2091	3.2 Not Detect	3.8 Not Detect	52 Detected	39.2 Not Detect	Agr2	12.25	16.25	10.3157895	13.684211
A_55_P2082	7.8 Not Detect	3.2 Not Detect	78.4 Detected	95.5 Detected	Cybb	12.24358974	10.0512821	29.84375	24.5
A_55_P2055	262.3 Detected	354.7 Detected	596.4 Detected	3201.5 Detected	Cd209d	12.2054899	2.27373237	9.02593741	1.6814209
A_51_P3494	4.1 Not Detect	8.8 Not Detect	3.1 Not Detect	50 Detected	Zfp300	12.19512195	0.75609756	5.68181818	0.3522727
A_55_P2183	28 Detected	479.4 Detected	23.8 Detected	340.8 Detected	Marveld3	12.17142857	0.85	0.71088861	0.0496454
A_55_P1967	45.9 Detected	53.5 Detected	44.5 Detected	558.4 Compromis	Gm4633	12.16557734	0.96949891	10.4373832	0.8317757
A_55_P2218	5.5 Not Detect	24.7 Detected	70 Detected	66.9 Detected	9430011C21Rik	12.16363636	12.7272727	2.70850202	2.8340081
A_52_P6285	40.2 Detected	549.5 Detected	494.9 Detected	487.9 Detected	Ggt7	12.13681592	12.3109453	0.88789809	0.9006369
A_55_P1980	12.1 Not Detect	17.9 Not Detect	7.2 Not Detect	146.4 Detected	Gm4316	12.09917355	0.59504132	8.17877095	0.4022346
A_55_P2083	14 Not Detect	49.6 Detected	41.1 Detected	168.8 Detected	Robo2	12.05714286	2.93571429	3.40322581	0.828629
A_55_P2060	36.5 Detected	43.7 Detected	141.2 Detected	439.3 Detected	LOC101056219	12.03561644	3.86849315	10.0526316	3.2311213
A_55_P1955	14.3 Not Detect	37.5 Detected	13.5 Not Detect	171.4 Detected	Gm11237	11.98601399	0.94405594	4.57066667	0.36

A_51_P3426	16.4 Detected	44.2 Detected	338.7 Detected	196.4 Detected	2200002J24Rik	11.97560976	20.652439	4.44343891	7.6628959
A_55_P2002	3.9 Not Detect	2.9 Not Detect	6.7 Not Detect	46.6 Detected	Ctsj	11.94871795	1.71794872	16.0689655	2.3103448
A_55_P1974	8.2 Not Detect	5.9 Not Detect	7.8 Not Detect	97.7 Detected	Duox2	11.91463415	0.95121951	16.559322	1.3220339
A_55_P2107	5.3 Not Detect	3.6 Not Detect	3.6 Not Detect	63.1 Detected	Ubl4b	11.90566038	0.67924528	17.5277778	1
A_55_P2047	77.5 Detected	242.3 Detected	927.9 Detected	919.5 Detected	Cutal	11.86451613	11.9729032	3.79488238	3.8295501
A_55_P2158	2.9 Not Detect	20.5 Detected	31.3 Detected	34.3 Not Detect	1700028K03Rik	11.82758621	10.7931034	1.67317073	1.5268293
A_55_P2076	66.2 Detected	71.5 Detected	59.5 Detected	781.2 Compromis	Prss51	11.80060423	0.89879154	10.9258741	0.8321678
A_51_P2669	22 Detected	23.8 Detected	257.8 Detected	259.2 Detected	Nr1i2	11.78181818	11.7181818	10.8907563	10.831933
A_55_P2110	3135.6 Detected	8857.5 Detected	3674.7 Detected	36772.8 Detected	Ddc	11.72751626	1.17192882	4.15160034	0.4148688
A_55_P2006	394.2 Detected	5635.6 Detected	2396.2 Detected	4621.4 Detected	Krt13	11.72349061	6.07864028	0.82003691	0.4251899
A_52_P4741	40.9 Detected	137.4 Detected	167.2 Detected	477.5 Detected	Onecut3	11.67481663	4.08801956	3.47525473	1.216885
A_55_P2131	4.7 Not Detect	3 Not Detect	6.6 Not Detect	54.6 Detected	Otogl	11.61702128	1.40425532	18.2	2.2
A_51_P2458	29.1 Detected	38.2 Detected	10.6 Not Detect	337.8 Detected	Mapk4	11.60824742	0.36426117	8.84293194	0.2774869
A_55_P2121	5.8 Not Detect	11.2 Not Detect	10.9 Not Detect	67.3 Detected	4930413G21Rik	11.60344828	1.87931034	6.00892857	0.9732143
A_55_P1979	16.2 Detected	26.7 Detected	164.1 Detected	187.8 Detected	Abcc8	11.59259259	10.1296296	7.03370787	6.1460674
A_55_P2179	44 Detected	28.3 Detected	99.5 Detected	509.7 Detected	Celsr3	11.58409091	2.26136364	18.0106007	3.5159011
A_55_P2067	19.6 Detected	33.2 Detected	18.7 Detected	226.9 Detected	Gm14015	11.57653061	0.95408163	6.83433735	0.563253
A_55_P2196	2.7 Not Detect	4.5 Not Detect	17.7 Detected	31.2 Not Detect	4930412C18Rik	11.55555556	6.55555556	6.93333333	3.9333333
A_55_P2163	3.5 Not Detect	34 Detected	36.6 Detected	39.9 Not Detect	Cxx1c	11.4	10.4571429	1.17352941	1.0764706
A_55_P2157	2850.4 Detected	8564.2 Detected	15420.4 Detected	32446.2 Detected	Cdhr2	11.38303396	5.40990738	3.78858504	1.8005651
A_51_P2854	43 Detected	34.5 Detected	37.2 Detected	488.9 Detected	Rbbp6	11.36976744	0.86511628	14.1710145	1.0782609
A_55_P2019	3 Not Detect	21.7 Detected	7 Not Detect	34.1 Not Detect	Csprs	11.36666667	2.33333333	1.57142857	0.3225806
A_55_P2072	1679.2 Detected	1407.8 Detected	73570.3 Detected	19030 Detected	Dpcr1	11.33277751	43.8127084	13.5175451	52.259057
A_55_P2157	28.1 Detected	40.8 Detected	29.4 Detected	318.4 Detected	Gm10755	11.33096085	1.04626335	7.80392157	0.7205882
A_51_P3778	1310.1 Detected	1815.5 Detected	5955.8 Detected	14838.1 Detected	Gstt3	11.32592932	4.54606519	8.17301019	3.2805288
A_55_P1978	86.3 Detected	388.7 Detected	444.7 Detected	973.2 Detected	Gm10439	11.2769409	5.15295481	2.50373038	1.14407
A_55_P1999	97.9 Detected	407 Detected	1623.7 Detected	1101.4 Detected	Pik3c2g	11.25025536	16.5852911	2.70614251	3.9894349
A_51_P2018	17.3 Detected	23.1 Detected	153.4 Detected	194.3 Detected	Dsp	11.23121387	8.86705202	8.41125541	6.6406926
A_51_P4680	9 Not Detect	18.2 Detected	57.4 Detected	100.6 Detected	Ggt1	11.17777778	6.37777778	5.52747253	3.1538462
A_55_P2017	7.6 Not Detect	3.9 Not Detect	3.3 Not Detect	84.5 Detected	Gm10471	11.11842105	0.43421053	21.6666667	0.8461538
A_52_P3507	40.9 Detected	100.3 Detected	93.6 Detected	454.7 Detected	Phlda2	11.11735941	2.28850856	4.5333998	0.9332004
A_55_P2034	93.9 Detected	86.3 Detected	64.7 Detected	1041.7 Detected	Zfp69	11.09371672	0.68903088	12.0706837	0.7497103
A_55_P2134	50.3 Detected	92.2 Detected	67.8 Detected	557.6 Compromis	Phkb	11.08548708	1.34791252	6.04772234	0.7353579
A_55_P2122	19.3 Detected	329 Detected	18.7 Detected	212.6 Detected	Cbr2	11.01554404	0.96891192	0.64620061	0.0568389
A_55_P1958	12.4 Not Detect	77.9 Detected	14 Not Detect	136.5 Detected	Tgm5	11.00806452	1.12903226	1.75224647	0.1797176
A_52_P1960	2.8 Not Detect	29.3 Detected	3.3 Not Detect	30.8 Not Detect	Btn1a1	11	1.17857143	1.05119454	0.112628
A_55_P2207	8 Not Detect	10.8 Not Detect	3.3 Not Detect	88 Detected	6430710M23Rik	11	0.4125	8.14814815	0.3055556
A_55_P2026	4.6 Not Detect	21 Detected	432.1 Detected	50.5 Not Detect	Cfi	10.97826087	93.9347826	2.4047619	20.57619
A_51_P2120	14 Not Detect	86.1 Detected	29.3 Detected	153.2 Detected	Aoc1	10.94285714	2.09285714	1.77932636	0.340302
A_55_P2050	11.3 Not Detect	9.7 Not Detect	9.5 Not Detect	123.5 Detected	Elf4	10.92920354	0.84070796	12.7319588	0.9793814

A_55_P1983	6.9 Not Detect	10.1 Not Detect	6.8 Not Detect	75.3 Detected	Vmn1r45	10.91304348	0.98550725	7.45544554	0.6732673
A_51_P3807	23 Detected	27.7 Detected	92.4 Detected	250.5 Detected	Cbfa2t3	10.89130435	4.0173913	9.0433213	3.3357401
A_52_P2605	3231.4 Detected	2587.8 Detected	35883 Detected	35190.4 Detected	Vil1	10.8901405	11.1044748	13.5985779	13.866218
A_55_P2052	2.6 Not Detect	3 Not Detect	20.7 Detected	28.3 Not Detect	Dyrk4	10.88461538	7.96153846	9.43333333	6.9
A_51_P4056	10210.5 Detected	7480.8 Detected	72211.7 Detected	111033.2 Detected	Ndrgr1	10.87441359	7.07229812	14.8424233	9.6529382
A_55_P1985	164.8 Detected	373.3 Detected	946.2 Detected	1790.7 Detected	B4galt4	10.86589806	5.74150485	4.79694616	2.5346906
A_51_P3033	16.3 Detected	21.9 Detected	44.1 Detected	176.9 Detected	Hoxa13	10.85276074	2.70552147	8.07762557	2.0136986
A_51_P3763	384.9 Detected	1549.1 Detected	390.8 Detected	4169.3 Detected	Hebp1	10.8321642	1.01532866	2.69143374	0.2522755
A_51_P4662	23.6 Detected	137.6 Detected	84.3 Detected	255.6 Detected	Pdgrf1	10.83050847	3.5720339	1.85755814	0.6126453
A_55_P2121	443.5 Detected	774.4 Detected	695.6 Detected	4802.6 Detected	Tox4	10.82886133	1.56843292	6.20170455	0.8982438
A_51_P4764	40.9 Detected	81 Detected	19.1 Detected	441.1 Detected	Cyp2j13	10.78484108	0.46699267	5.44567901	0.2358025
A_51_P3372	236.5 Detected	486.6 Detected	952.3 Detected	2547.7 Detected	Aldob	10.77251586	4.02663848	5.23571722	1.9570489
A_51_P3566	14.2 Detected	62.1 Detected	253.4 Detected	152.6 Detected	Rab39b	10.74647887	17.8450704	2.45732689	4.0805153
A_55_P2031	25 Detected	21 Detected	26.2 Detected	268.4 Detected	Lhx3	10.736	1.048	12.7809524	1.247619
A_66_P1089	5.5 Not Detect	3.8 Not Detect	3.9 Not Detect	59 Detected	Olf1129	10.72727273	0.70909091	15.5263158	1.0263158
A_52_P6504	1052.6 Detected	585.9 Detected	3509 Detected	11282.6 Detected	Spink4	10.71879156	3.33365001	19.2568698	5.9890766
A_55_P2023	5.2 Not Detect	14.8 Not Detect	3.4 Not Detect	55.7 Detected	LOC101055977	10.71153846	0.65384615	3.76351351	0.2297297
A_55_P1968	18.6 Detected	16.6 Not Detect	13.4 Not Detect	198.6 Detected	Olf1505	10.67741935	0.72043011	11.9638554	0.8072289
A_66_P1226	9.1 Not Detect	5.9 Not Detect	4.9 Not Detect	96.6 Detected	Cux2	10.61538462	0.53846154	16.3728814	0.8305085
A_52_P3255	6.2 Not Detect	11.1 Not Detect	9 Not Detect	65.8 Detected	6530411M01Rik	10.61290323	1.4516129	5.92792793	0.8108108
A_51_P3275	50.8 Detected	201.6 Detected	695.8 Detected	539.1 Detected	Gstm4	10.61220472	13.6968504	2.67410714	3.4513889
A_51_P2844	49.5 Detected	58.8 Detected	546.6 Detected	524.5 Detected	Cstad	10.5959596	11.0424242	8.92006803	9.2959184
A_55_P2009	10 Not Detect	28.5 Detected	159.2 Detected	104.9 Detected	Gm10487	10.49	15.92	3.68070175	5.5859649
A_51_P2756	266 Detected	340.7 Detected	1250.5 Detected	2783.3 Detected	Fam101b	10.46353383	4.70112782	8.16935721	3.6703845
A_55_P2181	8 Not Detect	86.7 Detected	17.3 Not Detect	83.4 Detected	Sult1d1	10.425	2.1625	0.96193772	0.1995386
A_51_P4086	41.3 Detected	11.2 Not Detect	23.7 Detected	429.9 Detected	Shisa2	10.40920097	0.57384988	38.3839286	2.1160714
A_55_P2275	11.7 Not Detect	3.2 Not Detect	3.2 Not Detect	121.7 Detected	C78197	10.4017094	0.27350427	38.03125	1
A_51_P4238	7.6 Not Detect	98.6 Detected	75.2 Detected	79 Detected	Alpi	10.39473684	9.89473684	0.80121704	0.7626775
A_52_P2828	53.4 Detected	96.4 Detected	707.8 Detected	551.8 Detected	Spin2c	10.33333333	13.2546816	5.72406639	7.3423237
A_55_P2080	1140 Detected	5116.3 Detected	13505.2 Detected	11740.2 Detected	Papss2	10.29842105	11.8466667	2.29466607	2.6396419
A_55_P1963	5.5 Not Detect	9.2 Not Detect	3.5 Not Detect	56.5 Detected	Hes3	10.27272727	0.63636364	6.14130435	0.3804348
A_55_P2023	3.1 Not Detect	10.5 Not Detect	21.6 Detected	31.8 Not Detect	1110032A03Rik	10.25806452	6.96774194	3.02857143	2.0571429
A_51_P2383	514.4 Detected	977.1 Detected	2587 Detected	5254.5 Detected	B4galt4	10.21481337	5.02916019	5.37764814	2.6476307
A_55_P2182	170.7 Detected	467.7 Detected	2197 Detected	1742.2 Detected	Arl14	10.20620972	12.8705331	3.72503742	4.6974556
A_55_P2176	5.9 Not Detect	8.1 Not Detect	4.6 Not Detect	60.2 Detected	Prss50	10.20338983	0.77966102	7.43209877	0.5679012
A_55_P2056	190.8 Detected	190.3 Detected	489 Detected	1946.4 Detected	Gm9992	10.20125786	2.56289308	10.228061	2.5696269
A_55_P2096	156.1 Detected	186.3 Detected	610.5 Detected	1587.8 Detected	Acot11	10.17168482	3.91095452	8.52281267	3.2769726
A_51_P1378	5.4 Not Detect	12.9 Not Detect	11.7 Not Detect	54.8 Detected	Pap1	10.14814815	2.16666667	4.24806202	0.9069767
A_55_P1958	65.9 Detected	500.6 Detected	235.2 Detected	668 Detected	Ankrd29	10.13657056	3.56904401	1.33439872	0.4698362
A_55_P2094	34.8 Detected	46 Detected	37.5 Detected	352.6 Detected	Slco1c1	10.13218391	1.07758621	7.66521739	0.8152174

A_66_P1218	6.6 Not Detect	3.8 Not Detect	4 Not Detect	66.8 Detected	1700001K23Rik	10.12121212	0.60606061	17.5789474	1.0526316
A_52_P4355	18.5 Detected	11.7 Not Detect	96.9 Detected	187.2 Detected	Prr15l	10.11891892	5.23783784	16	8.2820513
A_51_P1822	43.3 Detected	122 Detected	352.2 Detected	436.2 Detected	Tex40	10.073903	8.13394919	3.57540984	2.8868852
A_55_P1993	40.2 Detected	50.5 Detected	177.6 Detected	404.5 Detected	Gm1993	10.06218905	4.41791045	8.00990099	3.5168317
A_51_P4541	359.3 Detected	538.4 Detected	3051.8 Detected	3613 Detected	Sh2d4a	10.05566379	8.49373782	6.71062407	5.6682764
A_51_P1221	34.6 Detected	19.6 Detected	82 Detected	347.8 Detected	Mamstr	10.05202312	2.3699422	17.744898	4.1836735
A_52_P6390	262.3 Detected	804.8 Detected	355 Detected	2634 Detected	Ddc	10.04193671	1.35341212	3.27286282	0.4411034
A_55_P1969	23.2 Detected	90.9 Detected	209.3 Detected	232.7 Detected	Cidec	10.03017241	9.02155172	2.559956	2.3025303
A_55_P2141	944.5 Detected	3412.4 Detected	2901.5 Detected	9451.1 Detected	Tenm4	10.00645844	3.07199576	2.76963427	0.8502813
A_51_P4205	100.8 Detected	123.5 Detected	542.8 Detected	1007.3 Detected	Clic5	9.993055556	5.38492063	8.1562753	4.3951417
A_55_P1964	32 Detected	94.2 Detected	64.2 Detected	319.3 Detected	Gm3014	9.978125	2.00625	3.3895966	0.6815287
A_51_P1313	254.7 Detected	1272.6 Detected	1873.2 Detected	2537.6 Detected	Lrrc66	9.963093836	7.35453475	1.99402797	1.4719472
A_51_P3191	23 Detected	38.1 Detected	656 Detected	228 Detected	Krt4	9.913043478	28.5217391	5.98425197	17.217848
A_52_P4901	3.3 Not Detect	13.9 Not Detect	23.3 Detected	32.6 Not Detect	Shh	9.878787879	7.06060606	2.34532374	1.676259
A_55_P2365	3.1 Not Detect	52.2 Detected	3.7 Not Detect	30.6 Not Detect	B130046B21Rik	9.870967742	1.19354839	0.5862069	0.0708812
A_55_P2133	1635.1 Detected	10299.2 Detected	12213.7 Detected	16110.8 Detected	Cxx1c	9.85309767	7.46969604	1.56427684	1.1858882
A_55_P1972	26.8 Detected	96.9 Detected	85.6 Detected	263.1 Detected	Fam109b	9.817164179	3.19402985	2.71517028	0.8833849
A_55_P2146	23.9 Detected	152.9 Detected	28 Detected	234.2 Detected	H2-Ab1	9.79916318	1.17154812	1.53172008	0.1831262
A_55_P2141	1886.4 Detected	6908.1 Detected	5816.8 Detected	18480.9 Detected	Tenm4	9.796914758	3.08354538	2.67525079	0.842026
A_51_P2673	256.3 Detected	1691.4 Detected	1101.6 Detected	2506.4 Detected	Lrfn3	9.779165041	4.29808818	1.48184936	0.6512948
A_51_P2337	7.2 Not Detect	13.8 Not Detect	25.6 Detected	70.4 Detected	Sapcd1	9.777777778	3.55555556	5.10144928	1.8550725
A_51_P4737	71.8 Detected	203.3 Detected	70.6 Detected	698.1 Detected	H2-DMa	9.722841226	0.98328691	3.43384161	0.34727
A_52_P3562	339.7 Detected	1011.3 Detected	3231.5 Detected	3302.4 Detected	Nostrin	9.721518987	9.51280542	3.26549985	3.1953921
A_55_P2029	6.3 Not Detect	3.5 Not Detect	20.8 Detected	61.2 Detected	Gm12789	9.714285714	3.3015873	17.4857143	5.9428571
A_55_P1969	193 Detected	633.2 Detected	1686.2 Detected	1874.1 Detected	Cidec	9.710362694	8.73678756	2.95972836	2.6629817
A_51_P3604	13.7 Not Detect	9.3 Not Detect	20.6 Detected	131.9 Detected	Kcnk7	9.627737226	1.50364964	14.1827957	2.2150538
A_52_P1485	5.5 Not Detect	5.9 Not Detect	3.6 Not Detect	52.9 Detected	D16Ert519e	9.618181818	0.65454545	8.96610169	0.6101695
A_55_P2036	13.1 Not Detect	10.2 Not Detect	69 Detected	125.8 Detected	Prr15l	9.603053435	5.26717557	12.3333333	6.7647059
A_55_P2070	2566.7 Detected	6766.4 Detected	11169.6 Detected	24554.8 Detected	Aldoc	9.566680952	4.35173569	3.62893119	1.6507449
A_55_P2124	81.6 Detected	14.6 Not Detect	33.8 Detected	780.1 Detected	Col14a1	9.56004902	0.41421569	53.4315068	2.3150685
A_52_P1055	27.8 Detected	198.4 Detected	51.6 Detected	265.5 Detected	Nov	9.550359712	1.85611511	1.33820565	0.2600806
A_55_P2012	31 Detected	23.8 Detected	12.4 Not Detect	295.6 Detected	Ctso	9.535483871	0.4	12.4201681	0.5210084
A_55_P1980	1749.2 Detected	10094.8 Detected	12672.2 Detected	16650.3 Detected	Cxx1b	9.518808598	7.24456895	1.64939375	1.2553196
A_51_P3757	343.6 Detected	1367.5 Detected	2333 Detected	3263.2 Detected	Prap1	9.497089639	6.78987194	2.38625229	1.7060329
A_55_P2119	265.7 Detected	440.6 Detected	821.4 Detected	2516.9 Detected	Mlxipl	9.472713587	3.09145653	5.71243759	1.864276
A_52_P3847	8.6 Not Detect	213.7 Detected	15.5 Not Detect	81.4 Detected	Cdh10	9.465116279	1.80232558	0.38090781	0.0725316
A_51_P2653	22.6 Detected	85.9 Detected	125.5 Detected	213.8 Detected	Nr0b2	9.460176991	5.55309735	2.48894063	1.4610012
A_51_P3655	3.4 Not Detect	7.5 Not Detect	672.4 Detected	32.1 Not Detect	Spink3	9.441176471	197.764706	4.28	89.653333
A_55_P2137	2.7 Not Detect	32.1 Detected	104.5 Detected	25.4 Not Detect	Fam183b	9.407407407	38.7037037	0.79127726	3.2554517
A_55_P1989	4 Not Detect	30.7 Detected	13.2 Not Detect	37.6 Not Detect	Ntng1	9.4	3.3	1.2247557	0.4299674

A_51_P1839	14.6	Not Detect	49.4	Detected	68.4	Detected	136.5	Detected	Il27ra	9.349315068	4.68493151	2.76315789	1.3846154
A_55_P2031	9.3	Not Detect	52.6	Detected	25.6	Detected	86.8	Detected	Gstm6	9.333333333	2.75268817	1.65019011	0.486692
A_52_P3111	64.9	Detected	200.8	Detected	262.7	Detected	605.7	Detected	Krt78	9.332819723	4.04776579	3.01643426	1.3082669
A_55_P2262	19.1	Detected	32.5	Detected	33.9	Detected	178.2	Detected	Gm671	9.329842932	1.77486911	5.48307692	1.0430769
A_51_P4461	3175.6	Detected	11083.5	Detected	17876.5	Detected	29455.5	Detected	Gipc2	9.275569971	5.62932989	2.65759913	1.612893
A_55_P2020	94.4	Detected	1164.8	Detected	315.6	Detected	875.2	Detected	Mum11i	9.271186441	3.34322034	0.75137363	0.2709478
A_51_P3682	23.8	Detected	14.1	Not Detect	562.7	Detected	220.5	Detected	Fam101a	9.264705882	23.6428571	15.6382979	39.907801
A_55_P2037	2.7	Not Detect	34.7	Detected	30.8	Detected	25	Not Detect	Rgs20	9.259259259	11.4074074	0.7204611	0.8876081
A_55_P2006	9.6	Not Detect	38.7	Detected	69.8	Detected	88.8	Detected	Krt12	9.25	7.27083333	2.29457364	1.8036176
A_55_P2038	2.9	Not Detect	21.9	Detected	6.2	Not Detect	26.8	Not Detect	Acot6	9.24137931	2.13793103	1.22374429	0.283105
A_55_P2067	377.3	Detected	1824.8	Detected	870.7	Detected	3485.6	Detected	Ush1c	9.238271932	2.3077127	1.91012714	0.4771482
A_55_P2105	34.3	Detected	53.9	Detected	296.3	Detected	316.4	Detected	Foxp1	9.224489796	8.63848397	5.87012987	5.4972171
A_55_P2067	1082.9	Detected	2540.3	Detected	5515.9	Detected	9980.5	Detected	Camsap3	9.216455813	5.09363745	3.92886667	2.1713577
A_55_P2054	81.1	Detected	239.8	Detected	289.9	Detected	747.4	Detected	Krt78	9.215782984	3.57459926	3.11676397	1.2089241
A_51_P3067	8.3	Not Detect	10	Not Detect	29.4	Detected	76.4	Detected	2810055G2ORik	9.204819277	3.54216867	7.64	2.94
A_66_P1295	26.2	Detected	162.3	Detected	25.8	Detected	240.8	Detected	Unc5c	9.190839695	0.98473282	1.48367221	0.1589649
A_51_P4594	6.4	Not Detect	12.9	Not Detect	3.3	Not Detect	58.7	Detected	Tmco5	9.171875	0.515625	4.5503876	0.255814
A_66_P1081	2.7	Not Detect	25.1	Detected	3.1	Not Detect	24.7	Not Detect	Car5a	9.148148148	1.14814815	0.98406375	0.123506
A_55_P2275	12.9	Not Detect	45	Detected	3.4	Not Detect	118	Detected	2900005J15Rik	9.147286822	0.26356589	2.62222222	0.0755556
A_55_P2056	902.7	Detected	1134.4	Detected	5144.5	Detected	8239.7	Detected	Hsd17b14	9.127838706	5.69901407	7.26348731	4.5349965
A_55_P2009	258.9	Detected	625.6	Detected	1746.3	Detected	2362	Detected	Ccdc28a	9.123213596	6.74507532	3.77557545	2.7914003
A_55_P1953	215.8	Detected	524.1	Detected	298.4	Detected	1963.8	Detected	Me3	9.100092678	1.38276182	3.74699485	0.569357
A_55_P1954	58.3	Detected	284.2	Detected	419.4	Detected	529.3	Detected	Lrtm2	9.07890223	7.19382504	1.86242083	1.4757213
A_65_P1109	477.7	Detected	613.6	Detected	2983.1	Detected	4335.2	Detected	Tspan15	9.075151769	6.24471426	7.06518905	4.8616362
A_55_P1953	118.4	Detected	282.9	Detected	169.5	Detected	1071	Detected	Me3	9.045608108	1.43158784	3.78579003	0.5991516
A_52_P6019	292.3	Detected	205.3	Detected	2257.5	Detected	2641.7	Detected	C4bp	9.037632569	7.72322956	12.867511	10.996103
A_52_P6152	11.5	Not Detect	16.6	Detected	24.7	Detected	103.8	Detected	Nsun3	9.026086957	2.14782609	6.25301205	1.4879518
A_51_P3056	11.6	Not Detect	7.5	Not Detect	33.6	Detected	104.7	Detected	Atp8a2	9.025862069	2.89655172	13.96	4.48
A_51_P3609	276.1	Detected	917.6	Detected	1761.7	Detected	2483.5	Detected	Ehd3	8.994929373	6.38065918	2.706517	1.9198997
A_55_P1991	17.2	Detected	15.7	Not Detect	9.5	Not Detect	154.7	Detected	A830010M20Rik	8.994186047	0.55232558	9.85350318	0.6050955
A_55_P1965	180.2	Detected	623.5	Detected	893.9	Detected	1617	Detected	Gm15085	8.97336293	4.96059933	2.59342422	1.4336808
A_52_P2848	156.3	Detected	314.5	Detected	415	Detected	1402	Detected	Prkcz	8.969929623	2.65515035	4.45786963	1.3195548
A_51_P4019	520.4	Detected	6604.6	Detected	3557.1	Detected	4663	Detected	Tmem37	8.960415065	6.83531899	0.70602307	0.5385792
A_51_P4527	124.6	Detected	78.6	Detected	801.1	Detected	1109.9	Detected	Cyp4f14	8.907704655	6.429374	14.1208651	10.192112
A_66_P1248	71.7	Detected	23.1	Detected	635.7	Detected	637.3	Detected	Sptssb	8.888423989	8.86610879	27.5887446	27.519481
A_51_P5089	105.6	Detected	210.8	Detected	275.4	Detected	937.8	Detected	Prr15	8.880681818	2.60795455	4.4487666	1.3064516
A_55_P2157	637.3	Detected	899.7	Detected	1498.7	Detected	5650.9	Detected	Myo7b	8.866938647	2.35163973	6.2808714	1.6657775
A_55_P2069	11.5	Not Detect	26.3	Detected	154.5	Detected	101.7	Detected	Kiss1	8.843478261	13.4347826	3.86692015	5.8745247
A_55_P2090	10.4	Not Detect	10.1	Not Detect	3.6	Not Detect	91.8	Detected	Pde10a	8.826923077	0.34615385	9.08910891	0.3564356
A_51_P3532	3431.4	Detected	7239.6	Detected	25084.8	Detected	30266.6	Detected	Mal2	8.820481436	7.31036895	4.18070059	3.4649428

A_55_P2101	677.9 Detected	795.9 Detected	10517.3 Detected	5974.8 Detected	Cd55	8.813689335	15.5145302	7.50697324	13.214349
A_51_P2529	70.7 Detected	198.3 Detected	13.7 Not Detect	621.6 Detected	Isx	8.792079208	0.19377652	3.13464448	0.0690872
A_52_P5977	5.8 Not Detect	27.8 Detected	15.5 Not Detect	50.8 Detected	Robo2	8.75862069	2.67241379	1.82733813	0.557554
A_55_P1980	71.5 Detected	148.3 Detected	322.8 Detected	622.6 Detected	Birc3	8.707692308	4.51468531	4.1982468	2.1766689
A_55_P2291	2.8 Not Detect	31.7 Detected	5.8 Not Detect	24.3 Not Detect	5430435K18Rik	8.678571429	2.07142857	0.76656151	0.1829653
A_51_P1651	38.6 Detected	238.4 Detected	835.1 Detected	334.4 Detected	Batf2	8.663212435	21.634715	1.40268456	3.5029362
A_51_P3500	24.1 Detected	34.7 Detected	55.3 Detected	208.6 Detected	Gstt2	8.65560166	2.29460581	6.01152738	1.5936599
A_55_P1960	175.8 Detected	393.6 Detected	310.9 Detected	1520.1 Detected	Slc2a6	8.646757679	1.76848692	3.86204268	0.7898882
A_55_P2139	2.8 Not Detect	5 Not Detect	17.3 Detected	24.2 Not Detect	Slc22a28	8.642857143	6.17857143	4.84	3.46
A_55_P1985	6.6 Not Detect	12.7 Not Detect	133.4 Detected	56.9 Detected	Sytl3	8.621212121	20.2121212	4.48031496	10.503937
A_66_P1063	308.1 Detected	321 Detected	5124.4 Detected	2655 Detected	Daf2	8.617332035	16.6322623	8.27102804	15.963863
A_55_P2313	52.2 Detected	190.2 Detected	138.9 Detected	449.4 Detected	Ptprb	8.609195402	2.66091954	2.36277603	0.7302839
A_66_P1097	37.5 Detected	15.5 Not Detect	8 Not Detect	322 Detected	1700123I01Rik	8.586666667	0.21333333	20.7741935	0.516129
A_55_P1959	2.8 Not Detect	3.4 Not Detect	25.3 Detected	24 Not Detect	Ces2e	8.571428571	9.03571429	7.05882353	7.4411765
A_66_P1328	111.1 Detected	342.9 Detected	449.4 Detected	951.6 Detected	Myzap	8.565256526	4.0450045	2.77515311	1.3105862
A_52_P5934	15.7 Detected	73.2 Detected	36.3 Detected	133.5 Detected	Arap2	8.503184713	2.31210191	1.82377049	0.4959016
A_51_P4388	30.4 Detected	111.2 Detected	35.6 Detected	258.4 Detected	Serpib1	8.5	1.17105263	2.32374101	0.3201439
A_55_P1955	595.8 Detected	4310.4 Detected	9435.4 Detected	5063.3 Detected	Tfr2	8.498321584	15.8365223	1.17467056	2.1889848
A_52_P4712	44.4 Detected	106.3 Detected	60.4 Detected	376 Detected	Fmo4	8.468468468	1.36036036	3.53715898	0.5682032
A_51_P5129	8.5 Not Detect	16.3 Not Detect	9.2 Not Detect	71.5 Detected	Spsb4	8.411764706	1.08235294	4.38650307	0.5644172
A_51_P4849	74 Detected	166.6 Detected	460.6 Detected	621.6 Detected	Cblc	8.4	6.22432432	3.73109244	2.7647059
A_52_P6232	11.3 Not Detect	12.7 Not Detect	80.9 Detected	94.8 Detected	Fut2	8.389380531	7.15929204	7.46456693	6.3700787
A_52_P1440	90.1 Detected	75.3 Detected	83.8 Detected	754.7 Compromis	Gcc1	8.376248613	0.93007769	10.0225764	1.1128818
A_55_P2003	32.6 Detected	76.2 Detected	54.3 Detected	272.7 Detected	P4ha1	8.365030675	1.66564417	3.57874016	0.7125984
A_55_P2021	24.6 Detected	43.5 Detected	3.9 Not Detect	205.4 Detected	Tmem181b-ps	8.349593496	0.15853659	4.72183908	0.0896552
A_51_P3958	8 Not Detect	3.6 Not Detect	6.9 Not Detect	66.4 Detected	Olfra401	8.3	0.8625	18.4444444	1.9166667
A_55_P2021	22.4 Detected	33.2 Detected	69.3 Detected	185.5 Detected	Adra2a	8.28125	3.09375	5.5873494	2.0873494
A_51_P2457	2871.5 Detected	9245 Detected	9269.7 Detected	23667.5 Detected	Ddit4	8.242207905	3.22817343	2.56003245	1.0026717
A_52_P1148	24.3 Detected	35.9 Detected	471.1 Detected	200 Detected	Upk3b	8.230452675	19.3868313	5.57103064	13.122563
A_55_P2106	11.6 Not Detect	199 Detected	6 Not Detect	95 Detected	Dnah2	8.189655172	0.51724138	0.47738693	0.0301508
A_55_P2116	355.6 Detected	2080.8 Detected	471 Detected	2909.7 Detected	Cyp2c38	8.182508436	1.32452193	1.3983564	0.2263552
A_55_P2112	3.8 Not Detect	50 Detected	30 Detected	31 Not Detect	Tmem145	8.157894737	7.89473684	0.62	0.6
A_55_P2142	65.1 Detected	39.7 Detected	45.6 Detected	530.9 Detected	Zkscan7	8.155145929	0.70046083	13.372796	1.1486146
A_55_P2066	51.7 Detected	40.3 Detected	41 Detected	420.9 Detected	Acsm1	8.141199226	0.79303675	10.4441687	1.0173697
A_55_P2146	25 Detected	101 Detected	496.3 Detected	203.4 Detected	Abca4	8.136	19.852	2.01386139	4.9138614
A_55_P2095	5.3 Not Detect	32.8 Detected	31.8 Detected	42.9 Detected	1700028K03Rik	8.094339623	6	1.30792683	0.9695122
A_51_P3557	9.6 Not Detect	18 Not Detect	7.1 Not Detect	77.7 Detected	Hic1	8.09375	0.73958333	4.31666667	0.3944444
A_55_P1955	14.9 Detected	38.2 Detected	81.8 Detected	119.4 Detected	Gm8437	8.013422819	5.48993289	3.12565445	2.1413613
A_55_P2083	8.6 Not Detect	11.2 Not Detect	9 Not Detect	68.9 Detected	1700001J03Rik	8.011627907	1.04651163	6.15178571	0.8035714
A_55_P2428	20.2 Detected	11.4 Not Detect	29.2 Detected	161.6 Detected	Lrrc2	8	1.44554455	14.1754386	2.5614035

A_55_P2103	52.9	Detected	305.9	Detected	172.2	Detected	423	Detected	Ankrd29	7.996219282	3.25519849	1.38280484	0.5629291
A_51_P1262	13.7	Not Detect	530.1	Detected	29	Detected	109.3	Detected	Krt6b	7.97810219	2.11678832	0.20618751	0.0547067
A_55_P2041	16.6	Detected	27.7	Detected	21	Detected	132.4	Detected	Il15ra	7.975903614	1.26506024	4.77978339	0.7581227
A_51_P3987	213.6	Detected	72	Detected	74.4	Detected	1696.5	Detected	Flt1	7.94241573	0.34831461	23.5625	1.0333333
A_55_P2113	69.3	Detected	9.4	Not Detect	325	Detected	549.3	Compromis	Serpina1e	7.926406926	4.68975469	58.4361702	34.574468
A_55_P1957	7.7	Not Detect	3.6	Not Detect	5.5	Not Detect	60.8	Detected	Olfir930	7.896103896	0.71428571	16.8888889	1.5277778
A_52_P2276	335.3	Detected	455	Detected	3115.5	Detected	2641.9	Detected	Map2	7.879212645	9.29167909	5.80637363	6.8472527
A_51_P1530	301.5	Detected	4056.3	Detected	912.8	Detected	2375.4	Detected	Smpdl3a	7.878606965	3.02752902	0.58560757	0.2250327
A_55_P1964	40.3	Detected	276.6	Detected	29.8	Detected	317.5	Detected	Arhgef6	7.878411911	0.73945409	1.14786696	0.1077368
A_51_P2835	92.8	Detected	1535.8	Detected	33.1	Detected	731	Detected	Abca13	7.877155172	0.35668103	0.47597343	0.0215523
A_51_P2463	12307.9	Detected	33703.4	Detected	30148.5	Detected	96845.6	Detected	Mt2	7.868572218	2.44952429	2.87346677	0.894524
A_52_P2162	9.7	Not Detect	3.7	Not Detect	10.5	Not Detect	76.2	Detected	Masp1	7.855670103	1.08247423	20.5945946	2.8378378
A_51_P5078	188.9	Detected	1073.7	Detected	119.8	Detected	1482.6	Detected	F13a1	7.848597141	0.63419799	1.38083263	0.1115768
A_66_P1302	7.7	Not Detect	7.5	Not Detect	4.3	Not Detect	60.3	Detected	Gm13941	7.831168831	0.55844156	8.04	0.5733333
A_52_P4479	4.5	Not Detect	195.7	Detected	3.7	Not Detect	35.2	Not Detect	Epcam	7.822222222	0.82222222	0.17986714	0.0189065
A_55_P1971	2.7	Not Detect	15.3	Detected	3.1	Not Detect	21.1	Not Detect	Nlrp4e	7.814814815	1.14814815	1.37908497	0.2026144
A_51_P1618	124.4	Detected	136.6	Detected	1691.4	Detected	971.1	Detected	Fcgrt	7.806270096	13.596463	7.1090776	12.382138
A_55_P2024	1021.1	Detected	803.6	Detected	2134.6	Detected	7963.9	Detected	Gstt1	7.799334052	2.09049065	9.91027875	2.6562967
A_55_P2013	820.9	Detected	878.8	Detected	414.3	Detected	6381.2	Detected	LOC101056200	7.773419418	0.50468997	7.26126536	0.4714383
A_52_P2220	12.1	Not Detect	17.1	Detected	32.7	Detected	94	Detected	Chrn2	7.768595041	2.70247934	5.49707602	1.9122807
A_51_P2243	9.5	Not Detect	21	Detected	20	Detected	73.8	Detected	Popdc2	7.768421053	2.10526316	3.51428571	0.952381
A_66_P1141	13.7	Not Detect	8.3	Not Detect	12	Not Detect	106.4	Detected	LOC100862627	7.766423358	0.87591241	12.8192771	1.4457831
A_51_P2909	7.4	Not Detect	49.9	Detected	20.5	Detected	57.3	Detected	Ptprb	7.743243243	2.77027027	1.14829659	0.4108216
A_55_P2008	8.1	Not Detect	9	Not Detect	5.8	Not Detect	62.6	Detected	Tmsb15b1	7.728395062	0.71604938	6.95555556	0.6444444
A_51_P5176	9.9	Not Detect	97.4	Detected	3.4	Not Detect	76.5	Detected	Rnf152	7.727272727	0.34343434	0.78542094	0.0349076
A_52_P6253	10.5	Not Detect	26.4	Detected	21.3	Detected	81.1	Detected	Cabp4	7.723809524	2.02857143	3.0719697	0.8068182
A_52_P6191	147.4	Detected	493.6	Detected	753.5	Detected	1133.8	Detected	Rundc3b	7.691994573	5.1119403	2.29700162	1.5265397
A_52_P6055	40	Detected	39	Detected	91.9	Detected	307.4	Detected	Nxn12	7.685	2.2975	7.88205128	2.3564103
A_51_P2133	5.2	Not Detect	63.2	Detected	6.3	Not Detect	39.9	Not Detect	Has2	7.673076923	1.21153846	0.63132911	0.0996835
A_55_P2106	301.4	Detected	327.6	Detected	395.4	Detected	2301.4	Compromis	C5ar2	7.635700066	1.3118779	7.02503053	1.2069597
A_51_P4662	57.8	Detected	734.2	Detected	549.9	Detected	441.3	Detected	Amhr2	7.634948097	9.51384083	0.60106238	0.7489785
A_51_P1202	267.9	Detected	387.1	Detected	2920.1	Detected	2038.1	Detected	Cyp2d26	7.607689436	10.8999627	5.26504779	7.5435288
A_55_P2110	512	Detected	1085.9	Detected	1999.1	Detected	3888.6	Detected	Akap7	7.594921875	3.90449219	3.58099272	1.8409614
A_55_P2131	51.2	Detected	278.2	Detected	88	Detected	388.5	Detected	Trim40	7.587890625	1.71875	1.39647735	0.3163192
A_51_P4492	313.7	Detected	216.7	Detected	1831.4	Detected	2373.6	Detected	Thsd4	7.566464775	5.83806184	10.9533918	8.4513152
A_52_P3406	76.4	Detected	746.9	Detected	136.8	Detected	577.9	Detected	Bhlha15	7.564136126	1.79057592	0.77373142	0.183157
A_51_P5014	3.1	Not Detect	3.8	Not Detect	196.5	Detected	23.4	Not Detect	Ms4a8a	7.548387097	63.3870968	6.15789474	51.710526
A_55_P2032	444.7	Detected	1144.5	Detected	2797.2	Detected	3342.6	Detected	Cblc	7.516527996	6.2900832	2.92057667	2.4440367
A_52_P5036	3000.2	Detected	2839.9	Detected	9974.5	Detected	22544.7	Detected	Ffar4	7.51439904	3.32461169	7.93855417	3.5122716
A_55_P2078	6.2	Not Detect	23.5	Detected	9.2	Not Detect	46.4	Not Detect	AI662270	7.483870968	1.48387097	1.97446809	0.3914894

A_55_P2090	10.4 Not Detect	53.5 Detected	40.2 Detected	77.6 Detected	Myh15	7.461538462	3.86538462	1.45046729	0.7514019
A_55_P2099	15.2 Detected	16.6 Not Detect	16.7 Not Detect	113.4 Detected	Abt1	7.460526316	1.09868421	6.8313253	1.0060241
A_55_P2007	2612.3 Detected	1910.2 Detected	26169.6 Detected	19466.4 Detected	Akr1c19	7.451824063	10.0178387	10.1907654	13.699927
A_55_P2258	116 Detected	327.1 Detected	209.5 Detected	863.8 Detected	8030425K09Rik	7.446551724	1.80603448	2.64078264	0.6404769
A_52_P6955	101.8 Detected	241.2 Detected	609.8 Detected	752 Detected	Gm8221	7.387033399	5.99017682	3.11774461	2.5281924
A_51_P4700	7.4 Not Detect	62.5 Detected	3.6 Not Detect	54.4 Detected	Il1r2	7.351351351	0.48648649	0.8704	0.0576
A_55_P2004	2.6 Not Detect	20.6 Detected	3 Not Detect	19.1 Not Detect	Ptchd1	7.346153846	1.15384615	0.92718447	0.1456311
A_55_P2043	80.4 Detected	251.7 Detected	298.5 Detected	590 Detected	Luzp4	7.338308458	3.71268657	2.34406039	1.1859356
A_55_P1975	20.4 Detected	13.3 Not Detect	8.2 Not Detect	149.7 Detected	Tgif2lx2	7.338235294	0.40196078	11.2556391	0.6165414
A_55_P2243	3 Not Detect	18.8 Detected	3.7 Not Detect	22 Not Detect	Redrum	7.333333333	1.23333333	1.17021277	0.1968085
A_51_P3338	17.5 Detected	186.6 Detected	12.3 Not Detect	128.2 Detected	Clvs2	7.325714286	0.70285714	0.68703108	0.0659164
A_55_P2121	1034.8 Detected	2605.6 Detected	3127 Detected	7554.2 Detected	Fam43a	7.300154619	3.02183997	2.89921707	1.2001075
A_52_P5965	119.6 Detected	253.1 Detected	1265.7 Detected	871.4 Detected	Rassf9	7.285953177	10.5827759	3.44290794	5.0007902
A_51_P3794	58.3 Detected	90.2 Detected	49.5 Detected	424.5 Detected	Nckap5	7.281303602	0.8490566	4.70620843	0.5487805
A_55_P2312	64 Detected	43.4 Detected	24 Detected	463.1 Detected	BB070754	7.2359375	0.375	10.6705069	0.5529954
A_66_P1091	29.6 Detected	143.4 Detected	28.8 Detected	214.1 Detected	Apold1	7.233108108	0.97297297	1.4930265	0.2008368
A_55_P2089	3.1 Not Detect	36.2 Detected	3.8 Not Detect	22.4 Not Detect	Caps2	7.225806452	1.22580645	0.61878453	0.1049724
A_52_P8780	107.4 Detected	397 Detected	1702.7 Detected	776 Detected	Mfsd4	7.225325885	15.8538175	1.95465995	4.2889169
A_55_P2114	6.3 Not Detect	42.5 Detected	3.7 Not Detect	45.4 Not Detect	Ccdc162	7.206349206	0.58730159	1.06823529	0.0870588
A_51_P3371	2.7 Not Detect	17.4 Detected	3.1 Not Detect	19.4 Not Detect	Inpp5d	7.185185185	1.14814815	1.11494253	0.1781609
A_51_P1177	2.7 Not Detect	40.4 Detected	7.7 Not Detect	19.4 Not Detect	Bik	7.185185185	2.85185185	0.48019802	0.1905941
A_55_P2186	2.8 Not Detect	15.2 Not Detect	28.9 Detected	20.1 Not Detect	Gm9866	7.178571429	10.3214286	1.32236842	1.9013158
A_52_P3004	5.7 Not Detect	26.5 Detected	90.5 Detected	40.9 Not Detect	Atp4a	7.175438596	15.877193	1.54339623	3.4150943
A_66_P1350	8.8 Not Detect	3.5 Not Detect	3.5 Not Detect	62.8 Detected	Gm5531	7.136363636	0.39772727	17.9428571	1
A_55_P2022	9.2 Not Detect	28.3 Detected	38.7 Detected	65.5 Detected	Spata22	7.119565217	4.20652174	2.31448763	1.3674912
A_52_P9104	1414.1 Detected	9123.2 Detected	3053.7 Detected	10059.8 Detected	Tprg	7.113924051	2.15946538	1.10266135	0.3347181
A_55_P2105	477.7 Detected	472.9 Detected	243.3 Detected	3397.3 Detected	Nrxn3	7.11178564	0.50931547	7.18397124	0.5144851
A_55_P2463	476.5 Detected	467.4 Detected	541.6 Detected	3387.5 Compromis	Zfp398	7.109129066	1.1366212	7.24753958	1.1587505
A_55_P2139	67 Detected	144.4 Detected	282.5 Detected	476.1 Detected	Camsap3	7.105970149	4.21641791	3.29709141	1.9563712
A_52_P3753	17.1 Detected	6495.6 Detected	56 Detected	121.5 Detected	Amica1	7.105263158	3.2748538	0.01870497	0.0086212
A_52_P5234	1716 Detected	2265.4 Detected	1577.2 Detected	12192.6 Detected	Cdhr5	7.105244755	0.91911422	5.38209588	0.6962126
A_51_P2770	2.9 Not Detect	224.7 Detected	3.5 Not Detect	20.6 Not Detect	Chst8	7.103448276	1.20689655	0.09167779	0.0155763
A_55_P2097	7.6 Not Detect	10.4 Not Detect	10.4 Not Detect	53.8 Detected	Pth2	7.078947368	1.36842105	5.17307692	1
A_55_P2038	9772.1 Detected	14606.1 Detected	61491.5 Detected	69087.9 Detected	Ano1	7.069913325	6.29255738	4.73007168	4.2099876
A_51_P1009	109.5 Detected	268 Detected	116.5 Detected	772 Detected	Gucy2c	7.050228311	1.06392694	2.88059701	0.4347015
A_66_P1190	6 Not Detect	3.4 Not Detect	246.2 Detected	42.2 Not Detect	Smarca1	7.033333333	41.0333333	12.4117647	72.411765
A_51_P3423	8 Not Detect	63.3 Detected	23.7 Detected	56.2 Detected	Apoh	7.025	2.9625	0.8878357	0.3744076
A_52_P2461	7.4 Not Detect	7.2 Not Detect	85.9 Detected	51.9 Detected	Cbln3	7.013513514	11.6081081	7.20833333	11.930556
A_55_P2085	34 Detected	96.2 Detected	279.7 Detected	238 Detected	Calr3	7	8.22647059	2.47401247	2.9074844
A_55_P2015	78.9 Detected	474.7 Detected	134.4 Detected	551.7 Detected	Phf11d	6.992395437	1.70342205	1.16220771	0.2831262

A_66_P1351	20.5 Detected	137.6 Detected	21.3 Detected	143.1 Detected	Etv1	6.980487805	1.03902439	1.03997093	0.1547965
A_66_P1050	437.9 Detected	816.2 Detected	1427.1 Detected	3051.2 Detected	Il18	6.967800868	3.25896323	3.73829944	1.7484685
A_55_P2070	35 Detected	26.3 Detected	7.5 Not Detect	243.1 Detected	Speer2	6.945714286	0.21428571	9.24334601	0.2851711
A_55_P2115	176.4 Detected	121.4 Detected	1465.3 Detected	1225.2 Detected	Clec2d	6.945578231	8.30668934	10.092257	12.070016
A_66_P1207	72.5 Detected	277.3 Detected	148.9 Detected	503.5 Detected	Bnip3	6.944827586	2.0537931	1.81572304	0.5369636
A_52_P5069	2.8 Not Detect	47 Detected	3.3 Not Detect	19.4 Not Detect	Plet1	6.928571429	1.17857143	0.41276596	0.0702128
A_55_P1994	7.4 Not Detect	4.1 Not Detect	3.4 Not Detect	51.1 Detected	Vmn2r20	6.905405405	0.45945946	12.4634146	0.8292683
A_55_P2023	3.9 Not Detect	111.4 Detected	20.4 Detected	26.9 Not Detect	Slc47a1	6.897435897	5.23076923	0.24147217	0.1831239
A_55_P1988	33.6 Detected	78.6 Detected	54.1 Detected	231.7 Detected	4930558N11Rik	6.895833333	1.61011905	2.94783715	0.6882952
A_51_P2061	17.4 Detected	8.9 Not Detect	162.8 Detected	119.2 Detected	9130230L23Rik	6.850574713	9.35632184	13.3932584	18.292135
A_51_P3080	36.6 Detected	123.9 Detected	226.2 Detected	250.4 Detected	2010107G23Rik	6.841530055	6.18032787	2.02098467	1.8256659
A_52_P7833	11.7 Not Detect	53.9 Detected	48.1 Detected	80 Detected	Lrrc29	6.837606838	4.11111111	1.48423006	0.8923933
A_55_P2059	136.4 Detected	154 Detected	1168.4 Detected	931.9 Detected	Map2	6.832111437	8.5659824	6.0512987	7.587013
A_55_P2070	11.8 Not Detect	3.1 Not Detect	3.1 Not Detect	80.6 Detected	Galnt18	6.830508475	0.26271186	26	1
A_55_P2010	45.3 Detected	61 Detected	169.7 Detected	308.7 Detected	Prrt2	6.814569536	3.74613687	5.06065574	2.7819672
A_51_P1701	3 Not Detect	77.1 Detected	3.7 Not Detect	20.4 Not Detect	B3gnt8	6.8	1.23333333	0.26459144	0.0479896
A_55_P2110	530.8 Detected	978.3 Detected	1861.2 Detected	3608.5 Detected	Akap7	6.798229088	3.50640543	3.68854135	1.9024839
A_51_P3158	375.8 Detected	879.6 Detected	708.3 Detected	2554.4 Detected	Kcnk6	6.797232571	1.88477914	2.90404729	0.8052524
A_55_P2198	7.8 Not Detect	3.8 Not Detect	138.9 Detected	53 Detected	Gm10768	6.794871795	17.8076923	13.9473684	36.552632
A_55_P2032	15.1 Not Detect	215.9 Detected	66.2 Detected	102.6 Detected	Fhit	6.794701987	4.38410596	0.47522001	0.3066234
A_52_P4185	2.9 Not Detect	65.7 Detected	3.4 Not Detect	19.7 Not Detect	1700007G11Rik	6.793103448	1.17241379	0.29984779	0.0517504
A_66_P1217	852.7 Detected	858.4 Detected	3135.1 Detected	5781.4 Detected	Samd9l	6.780110238	3.67667409	6.73508854	3.65226
A_51_P2052	533.7 Detected	3115.6 Detected	1060.8 Detected	3614.9 Detected	Klhl30	6.773280869	1.9876335	1.16025806	0.3404802
A_66_P1241	80.8 Detected	94.4 Detected	67.6 Detected	547.2 Detected	Adams17	6.772277228	0.83663366	5.79661017	0.7161017
A_52_P6823	2172.1 Detected	3860.6 Detected	10189.4 Detected	14692.9 Detected	Scd1	6.764375489	4.69103632	3.80585919	2.6393307
A_51_P4768	65.1 Detected	154.8 Detected	551.3 Detected	439.6 Detected	Calr3	6.752688172	8.46850998	2.83979328	3.5613695
A_51_P2337	1136.5 Detected	1540.2 Detected	6246.8 Detected	7673.6 Detected	Adh7	6.751957765	5.49652442	4.9822101	4.0558369
A_55_P2064	8.6 Not Detect	5.6 Not Detect	3.8 Not Detect	57.9 Detected	Defb36	6.73255814	0.44186047	10.3392857	0.6785714
A_55_P2151	23.3 Detected	5 Not Detect	3.5 Not Detect	156.7 Detected	Sorl1	6.725321888	0.15021459	31.34	0.7
A_55_P2166	20.2 Detected	62.5 Detected	26.6 Detected	135.8 Detected	Vmn1r65	6.722772277	1.31683168	2.1728	0.4256
A_51_P1106	1537.9 Detected	2139 Detected	7016.2 Detected	10291.3 Detected	Mst1r	6.691787502	4.5621952	4.81126695	3.2801309
A_55_P2069	637.3 Detected	314.7 Detected	2835.7 Detected	4260 Detected	Gm10639	6.684450024	4.4495528	13.5367016	9.0108039
A_51_P1315	59.8 Detected	657.5 Detected	91.2 Detected	399.6 Detected	Plet1	6.682274247	1.52508361	0.60775665	0.1387072
A_55_P2151	1194.5 Detected	1175.5 Detected	4158.7 Detected	7974 Detected	Samd9l	6.675596484	3.48154039	6.78349638	3.5378137
A_55_P2033	67.5 Detected	236.8 Detected	294.4 Detected	449.5 Detected	Ece2	6.659259259	4.36148148	1.89822635	1.2432432
A_55_P2131	60.3 Detected	157.6 Detected	89.1 Detected	400.8 Detected	Pdia2	6.646766169	1.47761194	2.54314721	0.5653553
A_52_P2715	68.8 Detected	123.6 Detected	216.5 Detected	456.4 Detected	Ece2	6.63372093	3.14680233	3.69255663	1.7516181
A_55_P2256	8.1 Not Detect	11.7 Not Detect	63.7 Detected	53.7 Detected	1110028F18Rik	6.62962963	7.86419753	4.58974359	5.4444444
A_55_P1958	146.4 Detected	164.5 Detected	524.1 Detected	970.5 Detected	Slit1	6.629098361	3.57991803	5.89969605	3.1860182
A_52_P5713	360.4 Detected	887.7 Detected	1037.5 Detected	2386.8 Detected	Tmem144	6.622641509	2.87874584	2.6887462	1.1687507

A_55_P2144	412.3 Detected	398.2 Detected	1797.1 Detected	2721.4 Detected	Dmbt1	6.600533592	4.35871938	6.83425414	4.5130588
A_55_P2158	4476.4 Detected	3832.7 Detected	1833.1 Detected	29494.4 Detected	Clca4	6.588866053	0.40950317	7.69546273	0.478279
A_55_P2162	12.4 Not Detect	29.9 Detected	21.8 Detected	80.9 Detected	Ccdc149	6.524193548	1.75806452	2.70568562	0.729097
A_55_P2127	31.1 Detected	23.2 Detected	20.7 Detected	202.6 Detected	Spata17	6.514469453	0.66559486	8.73275862	0.8922414
A_51_P4952	71.6 Detected	118.1 Detected	1146.6 Detected	465.5 Detected	Lor	6.501396648	16.0139665	3.94157494	9.7087214
A_55_P2050	17.4 Detected	21.6 Detected	45.7 Detected	113.1 Detected	Olfra469	6.5	2.62643678	5.23611111	2.1157407
A_66_P1263	425.4 Detected	612.9 Detected	887.3 Detected	2755.9 Detected	Rhof	6.478373296	2.0858016	4.49649209	1.4477076
A_55_P1960	4.6 Not Detect	17.1 Detected	19.6 Detected	29.8 Not Detect	Kif9	6.47826087	4.26086957	1.74269006	1.1461988
A_51_P2343	304.7 Detected	1549.7 Detected	567.9 Detected	1969.8 Detected	Sct	6.464719396	1.86380046	1.27108473	0.366458
A_55_P2261	72.8 Detected	267.7 Detected	202 Detected	469.7 Detected	C230098O21Rik	6.451923077	2.77472527	1.75457602	0.754576
A_51_P3815	767.9 Detected	1052.8 Detected	658.7 Detected	4951 Detected	Rasa4	6.447454096	0.85779398	4.70269757	0.6256649
A_52_P4748	30.4 Detected	61.3 Detected	45.2 Detected	196 Detected	4921506M07Rik	6.447368421	1.48684211	3.19738989	0.7373573
A_52_P5301	3.1 Not Detect	29.2 Detected	3.7 Not Detect	19.9 Not Detect	Rhbdl3	6.419354839	1.19354839	0.68150685	0.1267123
A_55_P2043	220.6 Detected	231.1 Detected	677.1 Detected	1415.2 Detected	Arsg	6.415231188	3.0693563	6.12375595	2.9299005
A_52_P1952	14.5 Not Detect	7.2 Not Detect	5.5 Not Detect	92.9 Detected	Esyt3	6.406896552	0.37931034	12.9027778	0.7638889
A_52_P5644	82.4 Detected	197.3 Detected	507.4 Detected	527.3 Detected	Pik3c2g	6.399271845	6.15776699	2.67257983	2.5717182
A_55_P2082	25 Detected	172.8 Detected	84.7 Detected	159.4 Detected	Ttbk1	6.376	3.388	0.9224537	0.490162
A_51_P4139	16.8 Detected	9.6 Not Detect	12.2 Not Detect	107.1 Detected	Hmx3	6.375	0.72619048	11.15625	1.2708333
A_55_P2178	47.7 Detected	215 Detected	43.8 Detected	303.3 Detected	Tll1	6.358490566	0.91823899	1.41069767	0.2037209
A_55_P2253	103.2 Detected	290.4 Detected	382.8 Detected	655.1 Detected	4933407E14Rik	6.347868217	3.70930233	2.25585399	1.3181818
A_55_P2029	115.5 Detected	100.6 Detected	111.2 Detected	732.7 Compromis	Lcorl	6.343722944	0.96277056	7.2833002	1.1053678
A_51_P2409	75.4 Detected	353.7 Detected	297.3 Detected	478.2 Detected	Plekhg6	6.342175066	3.94297082	1.35199321	0.8405428
A_52_P5528	137.2 Detected	206.1 Detected	400.2 Detected	869.9 Detected	Efcab4a	6.340379009	2.91690962	4.22076662	1.9417758
A_52_P5364	357.6 Detected	177.5 Detected	1928 Detected	2265.4 Detected	Mycn	6.335011186	5.39149888	12.7628169	10.861972
A_66_P1156	5.7 Not Detect	21.7 Detected	8.8 Not Detect	36.1 Not Detect	G630018N14Rik	6.333333333	1.54385965	1.66359447	0.40553
A_52_P5508	8.1 Not Detect	191.9 Detected	19.9 Detected	51.3 Detected	Samd12	6.333333333	2.45679012	0.26732673	0.1036998
A_51_P2342	1609.3 Detected	2296.1 Detected	7461.1 Detected	10165.3 Detected	Sdcbp2	6.316597278	4.63623936	4.42720265	3.2494665
A_52_P1850	47.2 Detected	27.6 Detected	77.1 Detected	298 Detected	1110035H17Rik	6.313559322	1.63347458	10.7971014	2.7934783
A_55_P1973	48 Detected	233 Detected	55.7 Detected	302.9 Detected	Ceacam16	6.310416667	1.16041667	1.3	0.2390558
A_55_P2064	113.1 Detected	148.1 Detected	181.9 Detected	712.8 Detected	Lrrc61	6.302387268	1.60831123	4.81296421	1.2282242
A_52_P4976	14.9 Detected	98.2 Detected	101.4 Detected	93.8 Detected	A630001G21Rik	6.295302013	6.80536913	0.95519348	1.0325866
A_55_P2045	800.1 Detected	1212.2 Detected	5523.6 Detected	5024.8 Detected	Stk32a	6.280214973	6.90363705	4.14519056	4.5566738
A_55_P2011	49.7 Detected	58.9 Detected	3.3 Not Detect	311.1 Detected	Armcx1	6.259557344	0.06639839	5.28183362	0.0560272
A_55_P1987	1010.5 Detected	1521.4 Detected	818.6 Detected	6324.6 Detected	Unc13b	6.258881742	0.81009401	4.15709215	0.5380571
A_55_P2175	19.2 Detected	6.7 Not Detect	18.5 Detected	119.7 Detected	Gm5486	6.234375	0.96354167	17.8656716	2.761194
A_52_P5633	74306.3 Detected	154486.9 Detected	371515.1 Detected	463117.3 Detected	Lgals2	6.232544212	4.99977929	2.99777716	2.4048324
A_52_P9452	2.7 Not Detect	30.8 Detected	3.1 Not Detect	16.8 Not Detect	2510009E07Rik	6.222222222	1.14814815	0.54545455	0.1006494
A_52_P4599	501.7 Detected	884 Detected	3167 Detected	3116.2 Detected	Itga1	6.211281642	6.31253737	3.52511312	3.5825792
A_55_P2022	115.9 Detected	139.3 Detected	77.9 Detected	719.2 Detected	Ghrl	6.205349439	0.67213115	5.16295765	0.5592247
A_51_P2648	8.9 Not Detect	37 Detected	36.9 Detected	55.2 Detected	Lag3	6.202247191	4.14606742	1.49189189	0.9972973

A_55_P2113	2027.1	Detected	775.3	Detected	26127.2	Detected	12543.9	Detected	Mal	6.188101228	12.8889547	16.1794144	33.699471
A_51_P5192	7690.5	Detected	27722.3	Detected	18021.2	Detected	47572.9	Detected	Nupr1	6.185930694	2.34330668	1.7160517	0.6500615
A_55_P2047	2112.8	Detected	1502.3	Detected	14454.4	Detected	13042.2	Detected	Fgf1	6.172945854	6.84134797	8.68148838	9.6215137
A_51_P4861	3.1	Not Detect	25.1	Detected	3.8	Not Detect	19.1	Not Detect	Aff3	6.161290323	1.22580645	0.76095618	0.1513944
A_52_P6573	34.5	Detected	169.2	Detected	105.6	Detected	212.5	Detected	Tnni1	6.15942029	3.06086957	1.25591017	0.6241135
A_55_P2118	527.9	Detected	538	Detected	273.8	Detected	3249.1	Detected	4930404H24Rik	6.15476416	0.51865884	6.03921933	0.5089219
A_51_P1815	14.7	Detected	25.8	Detected	20.5	Detected	90.3	Detected	Fcgr4	6.142857143	1.39455782	3.5	0.7945736
A_55_P1967	8.1	Not Detect	3.5	Not Detect	149.9	Detected	49.7	Not Detect	Ugt2b35	6.135802469	18.5061728	14.2	42.828571
A_55_P2130	81.5	Detected	116.5	Detected	254.1	Detected	499.6	Detected	Prdm11	6.13006135	3.11779141	4.28841202	2.1811159
A_52_P7478	4.7	Not Detect	10.6	Not Detect	25.2	Detected	28.8	Not Detect	9130204L05Rik	6.127659574	5.36170213	2.71698113	2.3773585
A_51_P4192	2156.3	Detected	4888.4	Detected	4875.4	Detected	13185.6	Detected	S100a14	6.114919074	2.26100264	2.69732428	0.9973406
A_55_P2179	17.6	Detected	12.9	Not Detect	53.2	Detected	107.4	Detected	Nmur2	6.102272727	3.02272727	8.3255814	4.124031
A_51_P5060	715.5	Detected	3041.9	Detected	920.3	Detected	4366	Detected	Cpq	6.102026555	1.2862334	1.43528716	0.3025412
A_51_P1103	88.2	Detected	424.4	Detected	246	Detected	537	Detected	Wwox	6.088435374	2.78911565	1.26531574	0.5796418
A_55_P1978	2.9	Not Detect	26.3	Detected	3	Not Detect	17.6	Not Detect	Ifih1	6.068965517	1.03448276	0.66920152	0.1140684
A_55_P1996	23.3	Detected	1781.3	Detected	6	Not Detect	141.3	Detected	Amy2a5	6.064377682	0.25751073	0.07932409	0.0033683
A_51_P4916	7.5	Not Detect	6.7	Not Detect	41.4	Detected	45.4	Not Detect	Ly6g6e	6.053333333	5.52	6.7761194	6.1791045
A_55_P1970	115.7	Detected	353.7	Detected	335.9	Detected	696.8	Detected	Gramd2	6.02247191	2.90319793	1.9700311	0.9496749
A_51_P2154	1899.6	Detected	6328.3	Detected	4674.5	Detected	11428.4	Detected	Ptprb	6.01621394	2.46078122	1.80591944	0.738666
A_51_P2154	527.1	Detected	1120.7	Detected	2438.8	Detected	3170.8	Detected	Slc37a1	6.01555682	4.62682603	2.82930311	2.1761399
A_52_P2057	3.8	Not Detect	97.6	Detected	3.3	Not Detect	22.8	Not Detect	Myl10	6	0.86842105	0.23360656	0.0338115
A_55_P2367	7.6	Not Detect	13.9	Not Detect	24.8	Detected	45.5	Detected	C330020G15Rik	5.986842105	3.26315789	3.27338129	1.7841727
A_55_P1987	383.6	Detected	634.3	Detected	1013	Detected	2295.2	Detected	Prkcz	5.983315954	2.64077164	3.61847706	1.5970361
A_55_P2139	2807.8	Detected	2344.6	Detected	7596.8	Detected	16775.2	Detected	Gm5595	5.974499608	2.70560581	7.15482385	3.2401262
A_55_P2068	312.3	Detected	379.8	Detected	434.3	Detected	1863.5	Detected	1700016K19Rik	5.967018892	1.39065002	4.90652975	1.1434966
A_55_P2075	53.3	Detected	350.5	Detected	134.6	Detected	318	Detected	Ube2dn1	5.966228893	2.52532833	0.90727532	0.3840228
A_52_P3194	500.9	Detected	1554.9	Detected	848	Detected	2986.7	Detected	Ankrd37	5.962667199	1.69295269	1.92083092	0.5453727
A_55_P2173	27	Detected	34.2	Detected	22.2	Detected	160.9	Detected	Myh6	5.959259259	0.82222222	4.70467836	0.6491228
A_52_P4267	157.3	Detected	289.9	Detected	436.4	Detected	937.2	Detected	Rab27a	5.958041958	2.77431659	3.23283891	1.5053467
A_51_P3554	30.6	Detected	24	Detected	28.6	Detected	182.3	Detected	Timp4	5.95751634	0.93464052	7.59583333	1.1916667
A_51_P2950	27.9	Detected	813.4	Detected	3.4	Not Detect	166.1	Detected	Ogn	5.953405018	0.1218638	0.20420457	0.00418
A_51_P4977	574	Detected	1256.1	Detected	3090.8	Detected	3416.2	Detected	Apol7a	5.951567944	5.38466899	2.71968792	2.4606321
A_55_P2095	2.7	Not Detect	3	Not Detect	17	Detected	16	Not Detect	Gucy1a2	5.925925926	6.2962963	5.33333333	5.6666667
A_55_P2236	2.7	Not Detect	4	Not Detect	21.3	Detected	16	Not Detect	Syt16	5.925925926	7.88888889	4	5.325
A_51_P3253	7.8	Not Detect	384.4	Detected	49.8	Detected	46.1	Detected	Serinc2	5.91025641	6.38461538	0.11992716	0.1295525
A_55_P2041	95.3	Detected	82.1	Detected	85	Detected	563.1	Detected	Foxl2	5.908709339	0.89192025	6.85870889	1.0353228
A_55_P2220	3.1	Not Detect	41.1	Detected	47.9	Detected	18.3	Not Detect	Mep1b	5.903225806	15.4516129	0.44525547	1.1654501
A_55_P1987	13.5	Not Detect	71	Detected	14.2	Not Detect	79.6	Detected	Ptprd	5.896296296	1.05185185	1.12112676	0.2
A_55_P1966	2.8	Not Detect	3741	Detected	3.3	Not Detect	16.5	Not Detect	Cxcl12	5.892857143	1.17857143	0.00441059	0.0008821
A_55_P2133	73.2	Detected	160.2	Detected	87.7	Detected	429.9	Detected	Pdia2	5.87295082	1.19808743	2.6835206	0.5474407

A_66_P1377	3.1 Not Detect	3.7 Not Detect	57.2 Detected	18.2 Not Detect	Gm14661	5.870967742	18.4516129	4.91891892	15.459459
A_55_P2015	30.6 Detected	9806.5 Detected	38.4 Detected	179.3 Detected	Fgf9	5.859477124	1.25490196	0.01828379	0.0039158
A_51_P3681	97 Detected	120.5 Detected	45.6 Detected	567.7 Detected	Nkx2-3	5.85257732	0.47010309	4.71120332	0.3784232
A_55_P2367	53.6 Detected	284.1 Detected	49.1 Detected	313.4 Detected	Pou4f1	5.847014925	0.91604478	1.1031327	0.1728265
A_55_P2083	14.4 Not Detect	33.7 Detected	47 Detected	83.9 Detected	Vsig2	5.826388889	3.26388889	2.48961424	1.3946588
A_55_P2092	21.7 Detected	17.5 Detected	13.7 Not Detect	126.3 Detected	Trim43b	5.820276498	0.63133641	7.21714286	0.7828571
A_66_P1187	446.3 Detected	812.6 Detected	1613 Detected	2595.9 Detected	Tmem136	5.816491149	3.61416088	3.19456067	1.9849865
A_55_P2013	12.3 Not Detect	4 Not Detect	10.8 Not Detect	71.5 Detected	D730005E14Rik	5.81300813	0.87804878	17.875	2.7
A_51_P3606	19.7 Detected	33.6 Detected	20.3 Detected	114.5 Detected	Slc22a6	5.812182741	1.03045685	3.4077381	0.6041667
A_55_P1964	41.7 Detected	92.9 Detected	227.9 Detected	241.9 Detected	Apol7a	5.800959233	5.46522782	2.60387513	2.4531755
A_51_P5063	188.2 Detected	429.6 Detected	125.9 Detected	1087.4 Detected	Cyp2j6	5.777895855	0.66896918	2.53119181	0.2930633
A_55_P2130	600.9 Detected	1822.3 Detected	2914.9 Detected	3458.4 Detected	Mical1	5.75536695	4.85089033	1.89782143	1.599572
A_51_P1760	59.9 Detected	73 Detected	416.9 Detected	343.9 Detected	Pklr	5.741235392	6.95993322	4.7109589	5.7109589
A_55_P1991	1394 Detected	1374.6 Detected	2850.8 Detected	7998.1 Detected	Aplp1	5.737517934	2.04505022	5.81849265	2.0739124
A_66_P1107	25.3 Detected	36.2 Detected	31.7 Detected	145.1 Detected	Gm7244	5.735177866	1.25296443	4.00828729	0.8756906
A_52_P1547	7632.8 Detected	8686.9 Detected	23514.3 Detected	43711.2 Detected	Lgals6	5.726758201	3.08069123	5.03185256	2.706869
A_55_P1972	9.3 Not Detect	8.4 Not Detect	3.3 Not Detect	53.2 Detected	Tmeff1	5.720430108	0.35483871	6.33333333	0.3928571
A_51_P5130	7.5 Not Detect	126.1 Detected	3.3 Not Detect	42.9 Not Detect	Trps1	5.72	0.44	0.34020619	0.0261697
A_52_P5324	2.8 Not Detect	82 Detected	8 Not Detect	16 Not Detect	Plagl1	5.714285714	2.85714286	0.19512195	0.097561
A_52_P4206	35.2 Detected	47.2 Detected	133.8 Detected	200.9 Detected	Gm1631	5.707386364	3.80113636	4.25635593	2.8347458
A_52_P4257	4.1 Not Detect	3.5 Not Detect	130.8 Detected	23.4 Not Detect	Afm	5.707317073	31.902439	6.68571429	37.371429
A_55_P2089	788.8 Detected	3500 Detected	1791 Detected	4501.5 Detected	Ak4	5.706769777	2.27053753	1.28614286	0.5117143
A_51_P3413	19 Detected	51.3 Detected	120.8 Detected	108.4 Detected	Bcl2l14	5.705263158	6.35789474	2.11306043	2.3547758
A_55_P2074	82.9 Detected	129.5 Detected	70.1 Detected	471.5 Detected	Tet2	5.687575392	0.8455971	3.64092664	0.5413127
A_55_P2341	3.2 Not Detect	69.9 Detected	3.8 Not Detect	18.2 Not Detect	Rbms3	5.6875	1.1875	0.26037196	0.0543634
A_55_P1994	5.6 Not Detect	177.1 Detected	28.1 Detected	31.8 Not Detect	Serinc2	5.678571429	5.01785714	0.17955957	0.1586674
A_55_P2051	2.7 Not Detect	15.3 Detected	13.8 Not Detect	15.3 Not Detect	Gm13710	5.666666667	5.11111111	1	0.9019608
A_55_P2148	14.9 Detected	30.2 Detected	83.1 Detected	84.4 Detected	Apol7c	5.66442953	5.57718121	2.79470199	2.7516556
A_55_P2113	204.3 Detected	631 Detected	332.3 Detected	1156.8 Detected	Clybl	5.66226138	1.62652961	1.83328051	0.5266244
A_55_P2399	15.1 Detected	38.7 Detected	84.8 Detected	85.3 Detected	Glipr2	5.649006623	5.61589404	2.20413437	2.1912145
A_51_P4011	61.2 Detected	1031.7 Detected	9.1 Not Detect	345.7 Detected	Rarres1	5.64869281	0.14869281	0.33507803	0.0088204
A_51_P3382	1557.1 Detected	8549.2 Detected	9175 Detected	8793.3 Detected	Tnnt2	5.647228823	5.89236401	1.02855238	1.0731998
A_51_P3866	110.8 Detected	613.1 Detected	366.2 Detected	625.4 Detected	Glod5	5.644404332	3.30505415	1.02006198	0.5972924
A_55_P1964	91.8 Detected	233.7 Detected	317.2 Detected	516.6 Detected	Gm5549	5.62745098	3.45533769	2.21052632	1.3572957
A_55_P2277	19.6 Detected	56.6 Detected	85.8 Detected	110.2 Detected	Loxl3	5.62244898	4.37755102	1.94699647	1.5159011
A_51_P5082	5.8 Not Detect	28 Detected	51.7 Detected	32.6 Not Detect	Ppm1n	5.620689655	8.9137931	1.16428571	1.8464286
A_52_P8576	123.5 Detected	120.6 Detected	198.9 Detected	691.8 Compromis	Stard6	5.601619433	1.61052632	5.73631841	1.6492537
A_52_P5716	320.5 Detected	490.1 Detected	1015.3 Detected	1794.1 Detected	Myo1a	5.597815913	3.16786271	3.66068149	2.071618
A_55_P2000	12.3 Not Detect	11.9 Not Detect	37.9 Detected	68.7 Detected	8030411F24Rik	5.585365854	3.08130081	5.77310924	3.1848739
A_51_P4353	648.3 Detected	2990.5 Detected	1189 Detected	3614 Detected	Epor	5.57457967	1.83402746	1.20849356	0.3975924

A_52_P5476	26.1 Detected	11.7 Not Detect	3.7 Not Detect	145.4 Detected	P2ry1	5.570881226	0.14176245	12.4273504	0.3162393	
A_51_P4854	17.9 Detected	29.6 Detected	47.8 Detected	99.7 Detected	Lrrc71	5.569832402	2.67039106	3.36824324	1.6148649	
A_55_P2016	7.4 Not Detect	45.2 Detected	51.7 Detected	41.2 Not Detect	Gstm7	5.567567568	6.98648649	0.91150442	1.1438053	
A_55_P2109	391.7 Detected	731.4 Detected	149.3 Detected	2171.5 Detected	Camk2b	5.543783508	0.38115905	2.96896363	0.2041291	
A_52_P9201	486.5 Detected	20.2 Detected	3.9 Not Detect	2693 Detected	Gnai1	5.535457348	0.00801644	133.316832	0.1930693	
A_66_P1380	3 Not Detect	3.6 Not Detect	21.3 Detected	16.6 Not Detect	Gm9917	5.533333333	7.1	4.61111111	5.9166667	
A_51_P2514	12 Not Detect	45.6 Detected	54 Detected	66.4 Detected	Nkapl	5.533333333	4.5	1.45614035	1.1842105	
A_51_P5186	6 Not Detect	78.5 Detected	26.6 Detected	33.2 Not Detect	Atp6v1c2	5.533333333	4.43333333	0.42292994	0.3388535	
A_51_P1876	180.3 Detected	1143.3 Detected	1092.5 Detected	997.6 Detected	Serpinb5	5.533000555	6.05934554	0.87256188	0.9555672	
A_55_P2006	4251.1 Detected	9447.5 Detected	3922.6 Detected	23486.9 Detected	Serpinb1a	5.524899438	0.92272588	2.48604393	0.4151998	
A_55_P2073	145.6 Detected	117.8 Detected	176.1 Detected	804.4 Compromis	Nos1	5.524725275	1.20947802	6.82852292	1.4949066	
A_55_P2155	613.4 Detected	3728.8 Detected	1058 Detected	3386.6 Detected	Ankrd34a	5.521030323	1.72481252	0.90822785	0.2837374	
A_55_P2397	2.7 Not Detect	15.7 Detected	4.2 Not Detect	14.9 Not Detect	Skida1	5.518518519	1.55555556	0.94904459	0.2675159	
A_55_P1998	245.8 Detected	786.2 Detected	47.3 Detected	1352.4 Detected	Oas1a	5.502034174	0.19243287	1.72017298	0.0601628	
A_66_P1282	58.3 Detected	111.2 Detected	112.1 Detected	320.7 Detected	Fam109b	5.500857633	1.92281304	2.88399281	1.0080935	
A_55_P2089	6.4 Not Detect	17.2 Detected	7.7 Not Detect	35.2 Not Detect	Gm13547		5.5	1.203125	2.04651163	0.4476744
A_51_P4800	46.7 Detected	86.5 Detected	163.7 Detected	256.8 Detected	Car11	5.498929336	3.50535332	2.96878613	1.8924855	
A_55_P2073	10.9 Not Detect	5.2 Not Detect	25.9 Detected	59.9 Detected	Slc25a34	5.495412844	2.37614679	11.5192308	4.9807692	
A_55_P2436	27.6 Detected	275 Detected	123.2 Detected	151.4 Detected	Dusp22	5.485507246	4.46376812	0.55054545	0.448	
A_55_P2000	3.1 Not Detect	21.6 Detected	19.6 Detected	17 Not Detect	Ptpru	5.483870968	6.32258065	0.78703704	0.9074074	
A_55_P2096	17.5 Detected	9.8 Not Detect	8.5 Not Detect	95.9 Detected	Cntln		5.48	0.48571429	9.78571429	0.8673469
A_52_P4340	23 Detected	29.1 Detected	43.9 Detected	125.9 Detected	Birc3	5.473913043	1.90869565	4.32646048	1.5085911	
A_52_P1183	26.3 Detected	51.9 Detected	55.7 Detected	143.7 Detected	Chn1	5.463878327	2.11787072	2.76878613	1.0732177	
A_55_P2075	71 Detected	115.1 Detected	668.3 Detected	387.8 Detected	S1pr5	5.461971831	9.41267606	3.36924414	5.8062554	
A_51_P1857	84.2 Detected	96.6 Detected	157.4 Detected	459.6 Detected	Casz1	5.458432304	1.86935867	4.75776398	1.6293996	
A_55_P1962	47.4 Detected	186.6 Detected	29.5 Detected	258.7 Detected	H2-Ab1	5.457805907	0.62236287	1.386388	0.1580922	
A_66_P1015	3.5 Not Detect	28.2 Detected	3.8 Not Detect	19.1 Not Detect	Lrrc2	5.457142857	1.08571429	0.67730496	0.1347518	
A_51_P4064	119.6 Detected	263.2 Detected	167.3 Detected	652.6 Detected	Ankrd35	5.456521739	1.39882943	2.47948328	0.6356383	
A_55_P2121	44.7 Detected	115.6 Detected	46.3 Detected	243.8 Detected	Gck	5.454138702	1.03579418	2.10899654	0.400519	
A_55_P1992	7311.1 Detected	40578.4 Detected	10716.9 Detected	39865.5 Detected	Il5ra	5.45273625	1.46583961	0.98243154	0.2641036	
A_55_P2353	132.1 Detected	666.6 Detected	441.3 Detected	720.1 Detected	9530036O11Rik	5.451173354	3.34065102	1.08025803	0.6620162	
A_55_P2294	56.9 Detected	48 Detected	59 Detected	309.5 Detected	2900035I09Rik	5.439367311	1.03690685	6.44791667	1.2291667	
A_51_P1297	2311.4 Detected	2065.9 Detected	2762.4 Detected	12546.2 Detected	Tmigd1	5.427965735	1.19511984	6.07299482	1.3371412	
A_51_P4836	5703.3 Detected	11889.5 Detected	2399.3 Detected	30956.2 Detected	0610040J01Rik	5.427769888	0.42068627	2.60365869	0.2017999	
A_55_P2172	57.6 Detected	56.6 Detected	35.8 Detected	311.7 Detected	Mrgpra2a	5.411458333	0.62152778	5.50706714	0.6325088	
A_51_P5062	3028.8 Detected	1452.7 Detected	7493.8 Detected	16372.9 Detected	Cst9	5.405738246	2.47418119	11.2706684	5.1585324	
A_55_P2034	18.4 Detected	45.3 Detected	44.3 Detected	99.2 Detected	Il12rb1	5.391304348	2.4076087	2.18984547	0.9779249	
A_51_P1303	42.2 Detected	40.4 Detected	30.8 Detected	227.3 Detected	Hspa12b	5.386255924	0.72985782	5.62623762	0.7623762	
A_52_P5378	7 Not Detect	48.1 Detected	10.1 Not Detect	37.7 Not Detect	Wdr72	5.385714286	1.44285714	0.78378378	0.2099792	
A_55_P2282	3.9 Not Detect	22 Detected	6.9 Not Detect	21 Not Detect	4933425M03Rik	5.384615385	1.76923077	0.95454545	0.3136364	

A_55_P2173	2.6 Not Detect	2.9 Not Detect	326 Detected	14 Not Detect	Plcb1	5.384615385	125.384615	4.82758621	112.41379
A_51_P1258	1444.6 Detected	857.7 Detected	10474.5 Detected	7766.7 Detected	Tmem51	5.37636716	7.25079607	9.05526408	12.212312
A_55_P1960	102.3 Detected	168.2 Detected	265.9 Detected	549.9 Detected	Tmem220	5.375366569	2.59921799	3.26932224	1.5808561
A_55_P2063	12.1 Not Detect	110.7 Detected	3.1 Not Detect	64.9 Detected	Tmem74b	5.363636364	0.25619835	0.5862692	0.0280036
A_55_P2031	318.6 Detected	546.6 Detected	785.3 Detected	1708.8 Detected	Tmem220	5.36346516	2.4648462	3.12623491	1.4366996
A_55_P1985	73 Detected	429.4 Detected	83.4 Detected	391.2 Detected	Robo1	5.35890411	1.14246575	0.91103866	0.1942245
A_55_P2097	9.6 Not Detect	23.1 Detected	29.8 Detected	51.4 Detected	Camkv	5.354166667	3.10416667	2.22510823	1.2900433
A_55_P2427	26.1 Detected	61.8 Detected	98.8 Detected	139.4 Detected	4921525O09Rik	5.340996169	3.78544061	2.25566343	1.5987055
A_55_P2036	40.5 Detected	162.5 Detected	37.4 Detected	216.3 Detected	Gm5797	5.340740741	0.92345679	1.33107692	0.2301538
A_55_P2018	752.9 Detected	1260.9 Detected	2003.2 Detected	4019.7 Detected	Ldhd	5.338956037	2.6606455	3.18796098	1.5887065
A_55_P2069	32 Detected	43.2 Detected	405.9 Detected	170.8 Detected	Kiss1	5.3375	12.684375	3.9537037	9.3958333
A_55_P2052	26.5 Detected	100.4 Detected	10.1 Not Detect	141.4 Detected	Rnf208	5.335849057	0.38113208	1.40836653	0.1005976
A_55_P2022	4.2 Not Detect	32.2 Detected	8 Not Detect	22.4 Not Detect	1700019B21Rik	5.333333333	1.9047619	0.69565217	0.2484472
A_55_P2078	6.4 Not Detect	22.7 Detected	5.5 Not Detect	34.1 Not Detect	Gm3264	5.328125	0.859375	1.50220264	0.2422907
A_52_P4800	85.2 Detected	29.1 Detected	19.3 Detected	453.5 Detected	BC023105	5.322769953	0.22652582	15.5841924	0.6632302
A_55_P2174	34.4 Detected	35.8 Detected	95.4 Detected	182.4 Detected	Gm1631	5.302325581	2.77325581	5.09497207	2.6648045
A_55_P1985	41.2 Detected	25.8 Detected	9 Not Detect	218.4 Detected	Reps2	5.300970874	0.2184466	8.46511628	0.3488372
A_55_P2080	172.9 Detected	331.4 Detected	107.7 Detected	916.2 Detected	Cyp2j8	5.299016773	0.62290341	2.76463488	0.3249849
A_55_P1987	16.4 Detected	8.5 Not Detect	17 Not Detect	86.9 Detected	Nbeal1	5.298780488	1.03658537	10.2235294	2
A_55_P2049	46.4 Detected	147.3 Detected	35.2 Detected	245.2 Detected	Gm16525	5.284482759	0.75862069	1.66463001	0.2389681
A_52_P3736	19 Detected	67.9 Detected	3.8 Not Detect	100.2 Detected	Jph4	5.273684211	0.2	1.47569956	0.0559647
A_51_P2688	422.3 Detected	119 Detected	217.8 Detected	2222.7 Detected	Rasip1	5.263319915	0.5157471	18.6781513	1.8302521
A_52_P4876	17.3 Detected	36.1 Detected	11.6 Not Detect	90.5 Detected	BC100530	5.231213873	0.67052023	2.50692521	0.3213296
A_55_P1985	97.2 Detected	129.9 Detected	18.2 Detected	508.3 Detected	Compromis Fam171a2	5.229423868	0.1872428	3.91301001	0.1401078
A_51_P3469	61.8 Detected	45 Detected	45.8 Detected	322.7 Detected	Lrg1	5.221682848	0.74110032	7.17111111	1.0177778
A_52_P1519	26.5 Detected	38.3 Detected	38 Detected	138.2 Detected	Gm5132	5.21509434	1.43396226	3.60835509	0.9921671
A_55_P2206	83.3 Detected	316.3 Detected	190.1 Detected	434.4 Detected	1810062O18Rik	5.214885954	2.28211285	1.3733797	0.6010117
A_65_P0736	142 Detected	191.6 Detected	321.7 Detected	735.6 Detected	Trim14	5.18028169	2.26549296	3.83924843	1.6790188
A_55_P2019	58.5 Detected	58.6 Detected	35.5 Detected	302.9 Detected	Mrgpra2b	5.177777778	0.60683761	5.16894198	0.605802
A_55_P2149	216.5 Detected	630.5 Detected	218.7 Detected	1120.2 Detected	Arap2	5.174133949	1.01016166	1.77668517	0.3468676
A_55_P2091	4254.2 Detected	13374.3 Detected	8740.5 Detected	22011.4 Detected	Bnip3	5.174039772	2.05455785	1.64579828	0.6535295
A_51_P1580	113.6 Detected	333.4 Detected	144 Detected	587.7 Detected	A230050P20Rik	5.173415493	1.26760563	1.76274745	0.4319136
A_55_P2186	35.5 Detected	94 Detected	50.9 Detected	183.4 Detected	Saysd1	5.166197183	1.43380282	1.95106383	0.5414894
A_55_P2075	179.8 Detected	353.1 Detected	871.5 Detected	924 Detected	Arhgap40	5.139043382	4.84705228	2.61682243	2.4681393
A_55_P2023	67.9 Detected	74 Detected	94.5 Detected	348.9 Detected	Casz1	5.138438881	1.39175258	4.71486486	1.277027
A_55_P2153	3.9 Not Detect	23.4 Detected	18.5 Detected	20 Not Detect	Tmem217	5.128205128	4.74358974	0.85470085	0.7905983
A_52_P4934	125.7 Detected	296.3 Detected	120.9 Detected	643.7 Detected	Serpib1c	5.120922832	0.96181384	2.17246034	0.4080324
A_52_P1321	7675 Detected	21498 Detected	11829.3 Detected	39294.1 Detected	Hsd17b11	5.119752443	1.54127687	1.82780259	0.5502512
A_55_P2169	8.6 Not Detect	20.4 Detected	20.1 Detected	43.9 Not Detect	Pycr1	5.104651163	2.3372093	2.15196078	0.9852941
A_55_P2218	10.8 Not Detect	4.6 Not Detect	3.7 Not Detect	55.1 Detected	A730093L10Rik	5.101851852	0.34259259	11.9782609	0.8043478

A_52_P4364	78.2 Detected	130.4 Detected	245.3 Detected	398.9 Detected	Slc25a35	5.101023018	3.13682864	3.05904908	1.881135
A_51_P2552	15.5 Detected	3.7 Not Detect	5.7 Not Detect	79 Detected	C9	5.096774194	0.36774194	21.3513514	1.5405405
A_51_P3213	5.2 Not Detect	9.2 Not Detect	20.1 Detected	26.5 Not Detect	Ppapdc3	5.096153846	3.86538462	2.88043478	2.1847826
A_52_P5598	3.2 Not Detect	65.1 Detected	3.2 Not Detect	16.3 Not Detect	Fbln7	5.09375	1	0.25038402	0.0491551
A_55_P2028	2783.5 Detected	4536.7 Detected	9101.8 Detected	14178 Detected	Gata4	5.09358721	3.26991198	3.12517909	2.0062601
A_51_P1736	936.9 Detected	2067 Detected	4963.2 Detected	4768.4 Detected	Bcam	5.089550646	5.29747038	2.30691824	2.4011611
A_55_P1962	4.6 Not Detect	30.7 Detected	9.1 Not Detect	23.4 Not Detect	Gm8700	5.086956522	1.97826087	0.76221498	0.2964169
A_55_P1988	33 Detected	34.6 Detected	27.2 Detected	167.4 Detected	D830024N08Rik	5.072727273	0.82424242	4.83815029	0.7861272
A_55_P2010	15.4 Detected	12.1 Not Detect	18.2 Detected	78.1 Detected	Zfp618	5.071428571	1.18181818	6.45454545	1.5041322
A_55_P1962	290.9 Detected	1058.7 Detected	242.6 Detected	1474.6 Detected	Il1rn	5.069095909	0.83396356	1.39284028	0.229149
A_55_P2321	17.2 Detected	97.6 Detected	49.2 Detected	87.1 Detected	Zfp882	5.063953488	2.86046512	0.89241803	0.5040984
A_55_P2097	17.5 Detected	23.3 Detected	27.8 Detected	88.5 Detected	Gm6219	5.057142857	1.58857143	3.79828326	1.193133
A_52_P4097	53.9 Detected	131.1 Detected	218.8 Detected	272.5 Detected	Mrvi1	5.055658627	4.0593692	2.07856598	1.668955
A_52_P2995	12.6 Not Detect	16.2 Not Detect	19.3 Detected	63.7 Detected	Fam212b	5.055555556	1.53174603	3.93209877	1.191358
A_51_P3988	10 Not Detect	17.2 Detected	10.2 Not Detect	50.5 Detected	Tfp2d	5.05	1.02	2.93604651	0.5930233
A_55_P2153	1420.9 Detected	1692.9 Detected	3436.4 Detected	7152.6 Detected	Ahnak	5.033851784	2.41846717	4.22505759	2.0298895
A_55_P2034	253.1 Detected	178.3 Detected	505.4 Detected	1274 Detected	Myom3	5.033583564	1.99683919	7.1452608	2.8345485
A_55_P1952	3.8 Not Detect	17.7 Detected	4.6 Not Detect	19.1 Not Detect	Ear2	5.026315789	1.21052632	1.07909605	0.259887
A_55_P2013	32.3 Detected	30.1 Detected	28.7 Detected	162.2 Detected	Gm3718	5.021671827	0.88854489	5.38870432	0.9534884
A_55_P2082	137.9 Detected	150.6 Detected	63.9 Detected	691.9 Detected	Wdr66	5.017403916	0.46337926	4.59428951	0.4243028
A_51_P1428	6.5 Not Detect	64.4 Detected	3.7 Not Detect	32.6 Not Detect	Cd59a	5.015384615	0.56923077	0.50621118	0.0574534
A_51_P2844	3059 Detected	4185 Detected	17987.5 Detected	15333.3 Detected	Gstm2	5.012520432	5.8801896	3.66387097	4.2980884
A_55_P2007	216.7 Detected	533.5 Detected	468.7 Detected	1084.6 Detected	Smarca2	5.005076142	2.16289802	2.03298969	0.878538
A_55_P2007	67.2 Detected	29.1 Detected	44.5 Detected	336 Detected	Prkce	5	0.66220238	11.5463918	1.5292096
A_55_P2090	3.1 Not Detect	107.2 Detected	272.3 Detected	15.5 Not Detect	Kcnmb4	5	87.8387097	0.14458955	2.5401119
A_52_P3302	340.8 Detected	589.5 Detected	508 Detected	1701.2 Detected	Inpp4b	4.991784038	1.49061033	2.88583545	0.8617472
A_55_P2147	374.4 Detected	1331.2 Detected	534.5 Detected	1867.4 Detected	Gm6116	4.987713675	1.42761752	1.40279447	0.4015174
A_55_P2074	12.4 Not Detect	160 Detected	19.4 Detected	61.8 Detected	Tmprss11e	4.983870968	1.56451613	0.38625	0.12125
A_51_P3106	11.4 Not Detect	22.7 Detected	28.4 Detected	56.8 Detected	Galr2	4.98245614	2.49122807	2.50220264	1.2511013
A_52_P1067	151.1 Detected	299.8 Detected	517.5 Detected	752.7 Detected	Rasgrf2	4.981469226	3.42488418	2.51067378	1.7261508
A_51_P1128	4.9 Not Detect	12.1 Not Detect	16.5 Detected	24.4 Not Detect	Cyp27a1	4.979591837	3.36734694	2.01652893	1.3636364
A_52_P5386	41.7 Detected	35.2 Detected	256.1 Detected	207.6 Detected	Fgf1	4.978417266	6.14148681	5.89772727	7.2755682
A_55_P2373	45.4 Detected	16.6 Detected	16.4 Not Detect	226 Compromis	B430319H21Rik	4.977973568	0.36123348	13.6144578	0.9879518
A_51_P3369	594.2 Detected	2902.1 Detected	1539.7 Detected	2955.4 Detected	Cryl1	4.973746213	2.59121508	1.01836601	0.5305468
A_55_P2011	22.4 Detected	8.1 Not Detect	9.9 Not Detect	111.3 Detected	Gpr141	4.96875	0.44196429	13.7407407	1.2222222
A_55_P2023	15.2 Not Detect	90 Detected	64.1 Detected	75.5 Detected	Tmprss11f	4.967105263	4.21710526	0.83888889	0.7122222
A_55_P2117	12.1 Not Detect	8.5 Not Detect	9.7 Not Detect	60.1 Detected	Tnfrsf13c	4.966942149	0.80165289	7.07058824	1.1411765
A_55_P2013	66.6 Detected	234 Detected	316 Detected	330.5 Detected	Prss8	4.962462462	4.74474474	1.41239316	1.3504274
A_55_P2134	1839.2 Detected	2498.3 Detected	10365 Detected	9088.7 Detected	Gstm2	4.941659417	5.63560244	3.63795381	4.1488212
A_55_P2091	5264.7 Detected	15403.8 Detected	10490.9 Detected	25981.4 Detected	Bnip3	4.935020039	1.99268714	1.6866877	0.6810592

A_66_P1268	51.9	Detected	108.1	Detected	94.4	Detected	255.4	Detected	AA415398	4.921001927	1.81888247	2.3626272	0.8732655
A_55_P2027	286.1	Detected	211.8	Detected	715.5	Detected	1406.4	Detected	Gpr146	4.915763719	2.50087382	6.64022663	3.378187
A_55_P1990	180.5	Detected	516.1	Detected	412.6	Detected	887.1	Detected	Mks1	4.91468144	2.28587258	1.71885294	0.7994575
A_51_P2460	653.5	Detected	1119.5	Detected	2937.1	Detected	3211.7	Detected	Slamf9	4.914613619	4.49441469	2.86887003	2.623582
A_55_P2048	352.7	Detected	430.7	Detected	351.5	Detected	1731.6	Detected	Mirg	4.909554862	0.99659768	4.02043186	0.8161133
A_55_P2021	22664.7	Detected	100.7	Detected	317271	Detected	111158.9	Detected	Tff1	4.904494655	13.9984646	1103.86197	3150.6554
A_52_P4932	20.6	Detected	34.7	Detected	22.4	Detected	101	Detected	Adamts9	4.902912621	1.08737864	2.91066282	0.6455331
A_55_P2112	21275.1	Detected	106.9	Detected	289013.5	Detected	104307.9	Detected	Tff1	4.902815968	13.5845895	975.752105	2703.5875
A_55_P2168	2.9	Not Detect	4.6	Not Detect	26.3	Detected	14.2	Not Detect	Fmo5	4.896551724	9.06896552	3.08695652	5.7173913
A_55_P2112	13.2	Not Detect	20.1	Detected	14.8	Not Detect	64.5	Detected	Tmbim7	4.886363636	1.12121212	3.20895522	0.7363184
A_55_P1961	2051.7	Detected	1192.3	Detected	7990.6	Detected	10021.1	Detected	Selenbp1	4.884291076	3.89462397	8.40484777	6.7018368
A_55_P2101	36.7	Detected	76.6	Detected	107.4	Detected	179.2	Detected	Aldh6a1	4.882833787	2.92643052	2.33942559	1.4020888
A_52_P3677	954.3	Detected	2051.9	Detected	1907.6	Detected	4653.1	Detected	Calml4	4.875930001	1.99895211	2.2677031	0.9296749
A_55_P1988	165.4	Detected	70	Detected	23.9	Detected	805.7	Detected	Ifi203	4.871221282	0.14449819	11.51	0.3414286
A_55_P2114	27.3	Detected	13.1	Not Detect	22	Detected	132.7	Detected	Xpr1	4.860805861	0.80586081	10.129771	1.6793893
A_55_P2030	45.9	Detected	203.9	Detected	34.3	Detected	222.9	Detected	Gm5796	4.85620915	0.74727669	1.09318293	0.1682197
A_55_P2026	1411.4	Detected	1368	Detected	3560.5	Detected	6853.6	Detected	Ppp1r1b	4.855887771	2.52267252	5.00994152	2.6027047
A_55_P1962	28.2	Detected	24.7	Detected	203.9	Detected	136.9	Detected	Cyp2c67	4.854609929	7.23049645	5.54251012	8.2550607
A_51_P1821	2.7	Not Detect	6.2	Not Detect	32.9	Detected	13.1	Not Detect	5330417C22Rik	4.851851852	12.1851852	2.11290323	5.3064516
A_55_P2078	28.5	Detected	18.2	Detected	48.6	Detected	138.1	Detected	Cib3	4.845614035	1.70526316	7.58791209	2.6703297
A_55_P1973	1212.3	Detected	6354.3	Detected	2265.7	Detected	5852.7	Detected	Krt79	4.827765405	1.86892683	0.92106133	0.3565617
A_55_P2182	42.1	Detected	36.4	Detected	38.8	Detected	202.9	Detected	Arid4a	4.819477435	0.9216152	5.57417582	1.0659341
A_52_P4232	2.7	Not Detect	3	Not Detect	16.8	Detected	13	Not Detect	Nfe2l3	4.814814815	6.22222222	4.33333333	5.6
A_51_P2043	5.9	Not Detect	53.4	Detected	8.1	Not Detect	28.4	Not Detect	Tmem63c	4.813559322	1.37288136	0.53183521	0.1516854
A_51_P2720	11.6	Not Detect	30.9	Detected	17.7	Detected	55.6	Detected	2010109I03Rik	4.793103448	1.52586207	1.79935275	0.5728155
A_52_P3023	22	Detected	79.4	Detected	54.7	Detected	105.4	Detected	Cyp4v3	4.790909091	2.48636364	1.32745592	0.6889169
A_55_P2078	20.4	Detected	22.1	Detected	26.5	Detected	97.7	Detected	Mapk4	4.789215686	1.29901961	4.42081448	1.199095
A_55_P2082	12.4	Not Detect	27.6	Detected	37.1	Detected	59.3	Detected	Krt12	4.782258065	2.99193548	2.14855072	1.3442029
A_55_P2111	30.7	Detected	31	Detected	21.2	Detected	146.7	Detected	Mecom	4.778501629	0.69055375	4.73225806	0.683871
A_51_P1694	1234.4	Detected	58.1	Detected	4079.2	Detected	5888.3	Detected	Mcpt1	4.770171743	3.30460143	101.347676	70.209983
A_55_P2060	28.3	Detected	127.9	Detected	25.5	Detected	134.9	Detected	Gm5797	4.766784452	0.90106007	1.05473026	0.1993745
A_55_P2227	47	Detected	190.5	Detected	22.6	Detected	223.9	Detected	Ptprd	4.763829787	0.48085106	1.17532808	0.1186352
A_55_P2151	2429.5	Detected	3320.4	Detected	4013.3	Detected	11546.1	Detected	Gngt2	4.752459354	1.65190368	3.47732201	1.2086797
A_52_P2314	12.9	Not Detect	7.5	Not Detect	3.2	Not Detect	61.3	Detected	Cped1	4.751937984	0.24806202	8.17333333	0.4266667
A_55_P2151	2.8	Not Detect	16.1	Detected	7	Not Detect	13.3	Not Detect	Jakmip2	4.75	2.5	0.82608696	0.4347826
A_52_P5595	14.4	Detected	21.9	Detected	23.7	Detected	68.4	Detected	Cercam	4.75	1.64583333	3.12328767	1.0821918
A_55_P2165	8.9	Not Detect	21	Detected	92	Detected	42.2	Not Detect	Akap17b	4.741573034	10.3370787	2.00952381	4.3809524
A_55_P2241	416.7	Detected	535.5	Detected	1063	Detected	1974.5	Detected	9330133O14Rik	4.738420926	2.55099592	3.68720822	1.9850607
A_51_P3349	68.9	Detected	256.9	Detected	3324.9	Detected	325.2	Detected	Aldh1a1	4.71988389	48.256894	1.2658622	12.94239
A_55_P2134	37.7	Detected	50.7	Detected	67.6	Detected	177.7	Detected	Cftr	4.713527851	1.79310345	3.50493097	1.3333333

A_51_P4434	743.4	Detected	1547.3	Detected	1669.2	Detected	3496.5	Detected	Smoc1	4.703389831	2.24535916	2.25974278	1.0787824
A_55_P1977	10319.6	Detected	15193.8	Detected	42901	Detected	48501.8	Detected	Ugt2b34	4.699968991	4.15723478	3.19220998	2.8235859
A_55_P2174	172	Detected	253.3	Detected	607.2	Detected	806	Detected	Creb3l3	4.686046512	3.53023256	3.18199763	2.3971575
A_51_P4906	66.5	Detected	276.2	Detected	460.3	Detected	311.1	Detected	Trim68	4.678195489	6.92180451	1.12635771	1.666546
A_51_P3727	76.9	Detected	58.7	Detected	77.1	Detected	359.4	Detected	Il16	4.673602081	1.00260078	6.12265758	1.3134583
A_55_P2165	73.6	Detected	70.2	Detected	40.6	Detected	343.9	Detected	Gm7420	4.672554348	0.55163043	4.8988604	0.5783476
A_52_P5189	102.7	Detected	151.9	Detected	438.8	Detected	479.6	Detected	Itga1	4.669912366	4.27263875	3.15734036	2.8887426
A_55_P1992	4.2	Not Detect	18.7	Detected	3.3	Not Detect	19.6	Not Detect	Gmpr	4.666666667	0.78571429	1.04812834	0.1764706
A_55_P1995	59.2	Detected	67.5	Detected	79.5	Detected	276.1	Detected	Rfx7	4.663851351	1.34290541	4.09037037	1.1777778
A_51_P1176	45.9	Detected	33.9	Detected	35.2	Detected	213.8	Detected	5830468F06Rik	4.65795207	0.76688453	6.30678466	1.0383481
A_55_P2063	45644.6	Detected	50656.3	Detected	121775.8	Detected	212356	Detected	Lgals4	4.652379471	2.66791252	4.19209457	2.4039616
A_51_P4402	654	Detected	634.1	Detected	4883.2	Detected	3040.1	Detected	Ggt6	4.648470948	7.46666667	4.7943542	7.7009935
A_51_P4629	157.7	Detected	384	Detected	591.2	Detected	732.9	Detected	Ehhadh	4.647431833	3.7488903	1.90859375	1.5395833
A_55_P2013	6803.3	Detected	10725.8	Detected	29897.9	Detected	31604	Detected	S100g	4.645392677	4.39461732	2.94654012	2.7874751
A_55_P2105	2.8	Not Detect	3.4	Not Detect	20.9	Detected	13	Not Detect	Foxp1	4.642857143	7.46428571	3.82352941	6.1470588
A_55_P1998	73.3	Detected	190.3	Detected	19.8	Detected	339.9	Detected	Oas1a	4.637107776	0.27012278	1.78612717	0.1040462
A_51_P2625	46.4	Detected	239.4	Detected	71.5	Detected	215.1	Detected	Phf11a	4.635775862	1.54094828	0.89849624	0.2986633
A_51_P4802	835.4	Detected	1027.3	Detected	4265	Detected	3871.5	Detected	Elf3	4.634306919	5.10533876	3.76861676	4.1516597
A_55_P2161	25	Detected	64.7	Detected	158.3	Detected	115.6	Detected	Galr3	4.624	6.332	1.78670788	2.446677
A_55_P1960	25.4	Detected	45.1	Detected	39.9	Detected	117.4	Detected	Slc2a6	4.622047244	1.57086614	2.60310421	0.8847007
A_55_P2105	195.2	Detected	322.4	Detected	799.3	Detected	901.3	Detected	Pde2a	4.617315574	4.09477459	2.79559553	2.4792184
A_55_P2179	4.9	Not Detect	3.6	Not Detect	33	Detected	22.6	Not Detect	Spp2	4.612244898	6.73469388	6.27777778	9.1666667
A_51_P2262	4.9	Not Detect	262.1	Detected	3.7	Not Detect	22.6	Not Detect	Rgcc	4.612244898	0.75510204	0.08622663	0.0141167
A_51_P2885	26.8	Detected	112.1	Detected	12.3	Not Detect	123.5	Detected	Wdr16	4.608208955	0.45895522	1.10169492	0.1097235
A_55_P2014	927.8	Detected	4092.1	Detected	902.6	Detected	4266.7	Detected	Kank1	4.598728174	0.97283897	1.04266758	0.2205713
A_55_P1969	13.4	Not Detect	11.6	Not Detect	37.8	Detected	61.6	Detected	5430402E10Rik	4.597014925	2.82089552	5.31034483	3.2586207
A_55_P2102	367	Detected	314.4	Detected	619.5	Detected	1681.6	Detected	Krtcap3	4.582016349	1.6880109	5.34860051	1.9704198
A_55_P1970	2201.6	Detected	3976.6	Detected	7775.9	Detected	10062.7	Detected	Hnf1a	4.570630451	3.53193132	2.5304783	1.9554142
A_55_P1990	739.7	Detected	1495.3	Detected	574	Detected	3374	Detected	Casp1	4.561308639	0.77599027	2.2564034	0.3838695
A_51_P4223	18	Detected	125.3	Detected	43	Detected	81.6	Detected	Odf3b	4.533333333	2.38888889	0.65123703	0.3431764
A_52_P4683	68.4	Detected	85.2	Detected	145.7	Detected	309.6	Detected	Bdh1	4.526315789	2.13011696	3.63380282	1.7100939
A_55_P1997	189.7	Detected	380.1	Detected	515	Detected	858.5	Detected	Slc7a4	4.525566684	2.71481286	2.25861615	1.3549066
A_55_P1954	209.8	Detected	214	Detected	132.9	Detected	948.8	Detected	Nrxn2	4.522402288	0.63346044	4.43364486	0.621028
A_55_P1982	20.9	Detected	34.2	Detected	26.8	Detected	94.5	Detected	Grip1	4.5215311	1.28229665	2.76315789	0.7836257
A_55_P1964	114.4	Detected	187.4	Detected	142.5	Detected	516.5	Detected	Gm3014	4.51486014	1.24562937	2.75613661	0.7604055
A_66_P1052	51.3	Detected	37.5	Detected	313.5	Detected	231.4	Detected	Hao1	4.510721248	6.11111111	6.17066667	8.36
A_55_P2049	45.9	Detected	167.6	Detected	119.7	Detected	206.7	Detected	Agrp	4.503267974	2.60784314	1.23329356	0.7142005
A_51_P3052	11.8	Not Detect	8.1	Not Detect	8.1	Not Detect	53	Detected	Elavl3	4.491525424	0.68644068	6.54320988	1
A_55_P2062	1767.1	Detected	1363.4	Detected	1114.6	Detected	7935.1	Detected	Syne3	4.490464603	0.63075095	5.82008215	0.817515
A_66_P1066	15.3	Detected	9	Not Detect	3.5	Not Detect	68.7	Detected	Gna14	4.490196078	0.22875817	7.63333333	0.3888889

A_55_P2104	38.2 Detected	37.8 Detected	33.2 Detected	171.3 Detected	Casc1	4.484293194	0.86910995	4.53174603	0.8783069
A_55_P1957	20.7 Detected	128.6 Detected	114.1 Detected	92.8 Detected	Guca2b	4.483091787	5.51207729	0.72161742	0.8872473
A_52_P4981	278.5 Detected	338.3 Detected	201.4 Detected	1247.3 Detected	Aldh1l2	4.478635548	0.72315978	3.68696423	0.5953296
A_55_P1997	153.2 Detected	649.1 Detected	1057.4 Detected	684.7 Detected	Zbtb32	4.469321149	6.90208877	1.05484517	1.6290248
A_55_P1991	36.9 Detected	75 Detected	158.4 Detected	164.9 Detected	Slc22a27	4.468834688	4.29268293	2.19866667	2.112
A_55_P1986	3 Not Detect	3.1 Not Detect	27.2 Detected	13.4 Not Detect	Obp2b	4.466666667	9.06666667	4.32258065	8.7741935
A_52_P3830	4.3 Not Detect	8.5 Not Detect	18.5 Detected	19.2 Not Detect	D830044D21Rik	4.465116279	4.30232558	2.25882353	2.1764706
A_55_P2169	82.2 Detected	89.7 Detected	164.2 Detected	366.9 Detected	Ostm1	4.46350365	1.99756691	4.090301	1.8305463
A_51_P2120	5886.9 Detected	8365.4 Detected	15297.6 Detected	26232.5 Detected	Atp6v0e2	4.45608045	2.5985833	3.13583331	1.8286753
A_55_P2044	111.9 Detected	49.2 Detected	333.8 Detected	498.6 Detected	Cyp2b10	4.455764075	2.98302055	10.1341463	6.7845528
A_52_P2312	18.9 Detected	36.1 Detected	15.3 Not Detect	84.2 Detected	Cyp2j6	4.455026455	0.80952381	2.33240997	0.4238227
A_55_P2032	19228.4 Detected	38963.5 Detected	40760 Detected	85552.8 Detected	Pdlim1	4.449293753	2.11978116	2.1957165	1.0461073
A_51_P2715	1251.3 Detected	1305.6 Detected	3639.8 Detected	5565.9 Detected	Il1r1	4.448093982	2.90881483	4.26309743	2.787837
A_51_P2796	14.4 Detected	166.2 Detected	10.2 Not Detect	64 Detected	Col6a2	4.444444444	0.70833333	0.38507822	0.0613718
A_55_P2085	22.7 Detected	130.5 Detected	46.4 Detected	100.8 Detected	Ankrd34a	4.440528634	2.04405286	0.77241379	0.3555556
A_51_P3456	40.1 Detected	147.7 Detected	3.5 Not Detect	178 Detected	Pdgfra	4.438902743	0.0872818	1.20514557	0.0236967
A_55_P1994	192.2 Detected	59.2 Detected	399.2 Detected	853 Detected	Casc4	4.438085328	2.07700312	14.4087838	6.7432432
A_55_P1980	37.9 Detected	33.6 Detected	25.8 Detected	167.9 Detected	Kcnrg	4.430079156	0.68073879	4.99702381	0.7678571
A_51_P2453	1033.2 Detected	4678 Detected	6404.3 Detected	4573.8 Detected	Abcb1b	4.426829268	6.19850949	0.97772552	1.3690252
A_55_P2031	10.6 Not Detect	33.9 Detected	32.4 Detected	46.9 Detected	Gstm6	4.424528302	3.05660377	1.38348083	0.9557522
A_51_P1708	13.9 Detected	33.5 Detected	18.1 Detected	61.5 Detected	Asb5	4.424460432	1.30215827	1.8358209	0.5402985
A_52_P3963	5659.3 Detected	9858.4 Detected	13285.5 Detected	25022.9 Detected	Cdh17	4.421553902	2.34755182	2.53823136	1.3476325
A_55_P2101	370.4 Detected	1764.2 Detected	1093.4 Detected	1636.9 Detected	Gnat2	4.419276458	2.95194384	0.92784265	0.619771
A_66_P1145	13.1 Not Detect	75 Detected	19 Detected	57.8 Detected	A630095N17Rik	4.41221374	1.45038168	0.77066667	0.2533333
A_51_P3339	4.2 Not Detect	75.4 Detected	45.3 Detected	18.5 Not Detect	Tspan1	4.404761905	10.7857143	0.24535809	0.6007958
A_51_P4212	45.6 Detected	27 Detected	27.3 Detected	200.6 Detected	Fv1	4.399122807	0.59868421	7.42962963	1.0111111
A_55_P2083	5273.7 Detected	7100.6 Detected	18788.2 Detected	23171 Detected	Vill	4.39368944	3.56262207	3.26324536	2.6460017
A_55_P2070	112.6 Detected	144.3 Detected	169.3 Detected	494.6 Detected	Cdh17	4.392539964	1.5035524	3.42758143	1.1732502
A_51_P2980	13.4 Not Detect	14.3 Not Detect	127.4 Detected	58.8 Detected	Ugt2a3	4.388059701	9.50746269	4.11188811	8.9090909
A_55_P2129	3.4 Not Detect	25.1 Detected	4.9 Not Detect	14.9 Not Detect	Rab40b	4.382352941	1.44117647	0.5936255	0.1952191
A_55_P2130	226 Detected	288 Detected	519.3 Detected	988.8 Detected	Slc52a3	4.375221239	2.29778761	3.43333333	1.803125
A_51_P2817	27.5 Detected	39.8 Detected	125.2 Detected	120.3 Detected	Igsf23	4.374545455	4.55272727	3.02261307	3.1457286
A_51_P4971	45469.4 Detected	51375.6 Detected	119758.8 Detected	198687.5 Detected	Lgals4	4.369696983	2.63383286	3.86735143	2.3310443
A_52_P2207	446 Detected	2325.3 Detected	157.1 Detected	1945.9 Detected	Tmem229b	4.363004484	0.35224215	0.83683826	0.0675612
A_55_P2133	1160.6 Detected	1308.9 Detected	2736.4 Detected	5053.4 Detected	Kirrel3	4.354127176	2.35774599	3.86079914	2.0906104
A_55_P2050	207.3 Detected	295.3 Detected	82.6 Detected	902 Detected	Nfkbid	4.351181862	0.39845634	3.05452083	0.2797155
A_55_P2111	8944.4 Detected	13246.8 Detected	38145.4 Detected	38900.7 Detected	S100g	4.349168195	4.2647243	2.93661111	2.8795936
A_55_P1981	9472 Detected	34972.2 Detected	25635.4 Detected	41185.4 Detected	Lamc2	4.348120777	2.70644003	1.17766111	0.7330222
A_52_P2663	16.5 Detected	32.5 Detected	193.5 Detected	71.7 Detected	Akap17b	4.345454545	11.7272727	2.20615385	5.9538462
A_51_P4238	14.8 Not Detect	32.7 Detected	23.3 Detected	64.3 Detected	Morn1	4.344594595	1.57432432	1.96636086	0.7125382

A_55_P2170	21676.3	Detected	7151	Detected	73027.4	Detected	93742.6	Detected	Gsta2	4.324658729	3.36899748	13.1090197	10.212194
A_51_P4376	20.6	Detected	92.5	Detected	33.7	Detected	89	Detected	Ube2dn12	4.32038835	1.63592233	0.96216216	0.3643243
A_52_P2393	39.8	Detected	145.3	Detected	90.6	Detected	171.9	Detected	Syngn1	4.319095477	2.27638191	1.18306951	0.6235375
A_55_P1966	196.9	Detected	255.3	Detected	1082.3	Detected	850	Detected	Gstm2	4.316912138	5.49669883	3.32941637	4.2393263
A_55_P2107	19.9	Detected	20.8	Detected	37	Detected	85.8	Detected	Col20a1	4.311557789	1.85929648	4.125	1.7788462
A_66_P1084	32485.9	Detected	54982.2	Detected	10472.1	Detected	139920.9	Detected	2610528A11Rik	4.307127092	0.32235832	2.54483997	0.1904635
A_66_P1180	173.8	Detected	243.7	Detected	248.8	Detected	747.6	Detected	Tor3a	4.301495972	1.43153049	3.0677062	1.0209274
A_55_P2029	3.2	Not Detect	11.8	Not Detect	32.3	Detected	13.7	Not Detect	Wnk2	4.28125	10.09375	1.16101695	2.7372881
A_55_P2088	235.5	Detected	306.6	Detected	277.1	Detected	1006.6	Detected	Myh10	4.274309979	1.17664544	3.28310502	0.9037834
A_52_P6132	603.2	Detected	1430.4	Detected	2698.6	Detected	2569.5	Detected	Icam1	4.259781167	4.47380637	1.79635067	1.8866051
A_55_P2026	505.1	Detected	1146.2	Detected	1385.5	Detected	2149.7	Detected	Tdrp	4.255988913	2.74302118	1.87550166	1.2087768
A_55_P2033	194.3	Detected	496.1	Detected	156.3	Detected	826.9	Detected	Sh3bgr	4.255790015	0.80442615	1.66680105	0.3150574
A_55_P1952	159.6	Detected	537.6	Detected	282.5	Detected	678.5	Detected	Pbp2	4.251253133	1.77005013	1.26209077	0.5254836
A_51_P4816	985.7	Detected	1581.9	Detected	1906.6	Detected	4185.9	Detected	Ero11	4.246626763	1.93425992	2.64612175	1.2052595
A_51_P2877	15.2	Detected	16.3	Detected	13.4	Not Detect	64.5	Detected	Tex38	4.243421053	0.88157895	3.95705521	0.8220859
A_52_P6523	447.4	Detected	464.4	Detected	2319.2	Detected	1896.2	Detected	Zbtb7c	4.238265534	5.18372821	4.083118	4.9939707
A_51_P1619	2799	Detected	6003	Detected	8829.4	Detected	11859.7	Detected	E130012A19Rik	4.2371204	3.15448374	1.97562885	1.4708313
A_55_P2006	16.5	Detected	36	Detected	38.9	Detected	69.9	Detected	Apol10b	4.236363636	2.35757576	1.94166667	1.0805556
A_55_P1967	8.9	Not Detect	6.9	Not Detect	21.9	Detected	37.7	Not Detect	Tmem151a	4.235955056	2.46067416	5.46376812	3.173913
A_51_P3890	3	Not Detect	36.1	Detected	11.6	Not Detect	12.7	Not Detect	Sgcd	4.233333333	3.86666667	0.35180055	0.3213296
A_55_P2160	402.4	Detected	553.2	Detected	1942.3	Detected	1701.1	Detected	Pls1	4.227385686	4.82678926	3.07501808	3.5110268
A_51_P2909	2185	Detected	1924.6	Detected	9568.8	Detected	9224.8	Detected	Syt12	4.22187643	4.3793135	4.79309986	4.9718383
A_55_P2063	47169.2	Detected	51124.3	Detected	131230	Detected	199037.7	Detected	Lgals4	4.219653927	2.78211206	3.89321125	2.5668811
A_51_P2155	29.4	Detected	55.6	Detected	64.8	Detected	124	Detected	BC021614	4.217687075	2.20408163	2.23021583	1.1654676
A_55_P1970	53.2	Detected	81.9	Detected	62.7	Detected	224	Detected	Alg14	4.210526316	1.17857143	2.73504274	0.7655678
A_66_P1101	1049.5	Detected	2670.2	Detected	1781.7	Detected	4414.7	Detected	Eppk1	4.206479276	1.69766556	1.65332185	0.6672534
A_55_P1961	234	Detected	211.9	Detected	276.4	Detected	984.1	Detected	Speer1-ps1	4.205555556	1.18119658	4.64417178	1.3043889
A_51_P3395	5.9	Not Detect	32.5	Detected	3.5	Not Detect	24.8	Not Detect	Cdkn1c	4.203389831	0.59322034	0.76307692	0.1076923
A_55_P2110	1574.6	Detected	4138.9	Detected	2660.6	Detected	6617.5	Detected	Eppk1	4.202654642	1.68969897	1.59885477	0.6428278
A_51_P4082	1515.3	Detected	3394.1	Detected	6492.7	Detected	6367.6	Detected	Misp	4.202204184	4.28476209	1.87607908	1.9129372
A_55_P1958	134.5	Detected	491.5	Detected	124	Detected	563.9	Detected	LOC545005	4.192565056	0.92193309	1.14730417	0.2522889
A_55_P2063	20.3	Detected	45.9	Detected	36.9	Detected	85.1	Detected	Tomm7	4.192118227	1.81773399	1.8540305	0.8039216
A_55_P2077	25.3	Detected	30.4	Detected	35.6	Detected	106	Detected	Trmt61b	4.18972332	1.40711462	3.48684211	1.1710526
A_51_P1548	136.5	Detected	401.3	Detected	45.5	Detected	571.8	Detected	Oas1f	4.189010989	0.33333333	1.42486918	0.1133815
A_51_P3572	23	Detected	3.6	Not Detect	3.6	Not Detect	96.3	Detected	Zfp518b	4.186956522	0.15652174	26.75	1
A_66_P1306	6.2	Not Detect	4.3	Not Detect	36.2	Detected	25.9	Not Detect	Onecut1	4.177419355	5.83870968	6.02325581	8.4186047
A_52_P1513	162.4	Detected	23.2	Detected	174.3	Detected	677.2	Detected	Fam211b	4.169950739	1.07327586	29.1896552	7.512931
A_55_P2046	8.9	Not Detect	29.2	Detected	18.8	Detected	37.1	Not Detect	Ccdc103	4.168539326	2.11235955	1.27054795	0.6438356
A_51_P1720	6646.9	Detected	2813.2	Detected	15866.3	Detected	27687.1	Detected	Gas6	4.165415457	2.38702252	9.84185269	5.6399474
A_55_P2180	12.7	Not Detect	17.5	Not Detect	8.9	Not Detect	52.9	Detected	4933413G19Rik	4.165354331	0.7007874	3.02285714	0.5085714

A_55_P2027	728.3	Detected	1367.2	Detected	1806.1	Detected	3030.1	Detected	Rph3al	4.160510779	2.47988466	2.21628145	1.3210211
A_55_P2098	7.1	Not Detect	3.6	Not Detect	28.1	Detected	29.5	Not Detect	Adamtsl3	4.154929577	3.95774648	8.19444444	7.8055556
A_52_P5426	17.4	Detected	687	Detected	3.8	Not Detect	72.2	Detected	Tmem56	4.149425287	0.2183908	0.10509461	0.0055313
A_51_P4341	9951.8	Detected	17313.6	Detected	21898.6	Detected	41244.8	Detected	Herpud1	4.144456279	2.20046625	2.38221976	1.2648207
A_55_P1988	44.1	Detected	174.5	Detected	31.6	Detected	182.7	Detected	Gm10406	4.142857143	0.71655329	1.0469914	0.1810888
A_55_P1977	21699.8	Detected	34178.5	Detected	28372.9	Detected	89833	Detected	Anxa11	4.13980774	1.30751896	2.62834823	0.8301388
A_55_P2066	17.5	Detected	12.7	Not Detect	9.6	Not Detect	72.4	Detected	Frmd7	4.137142857	0.54857143	5.7007874	0.7559055
A_55_P2084	255.3	Detected	410.1	Detected	304.1	Detected	1055.6	Detected	Anxa11	4.134743439	1.19114767	2.57400634	0.7415265
A_51_P2619	419.4	Detected	489.9	Detected	143.4	Detected	1733.2	Detected	Ccdc166	4.132570339	0.34191702	3.53786487	0.2927128
A_52_P21	12.5	Not Detect	163.4	Detected	3.7	Not Detect	51.5	Not Detect	Ttc9	4.12	0.296	0.31517748	0.0226438
A_51_P1667	104.2	Detected	134.3	Detected	48.7	Detected	429.3	Detected	Kcni4	4.119961612	0.46737044	3.19657483	0.362621
A_51_P2144	108.1	Detected	234.4	Detected	294.8	Detected	445	Detected	Tdrp	4.116558742	2.72710453	1.89846416	1.2576792
A_55_P2153	39.9	Detected	67.5	Detected	79.1	Detected	164.2	Detected	G630090E17Rik	4.115288221	1.98245614	2.43259259	1.1718519
A_55_P2145	13661.7	Detected	9889.8	Detected	58206.4	Detected	56214.6	Detected	Leprel4	4.114758778	4.26055323	5.68409877	5.8854982
A_66_P1263	6.1	Not Detect	28.3	Detected	6.3	Not Detect	25.1	Not Detect	9230102O04Rik	4.114754098	1.03278689	0.8869258	0.2226148
A_55_P1954	41.5	Detected	138.7	Detected	36.7	Detected	170.7	Detected	Esrb	4.113253012	0.88433735	1.23071377	0.2645999
A_51_P4158	753.9	Detected	2464.2	Detected	556	Detected	3100.9	Detected	Tusc1	4.113144979	0.73749834	1.25838	0.225631
A_55_P1984	14.4	Not Detect	12.6	Not Detect	15.4	Not Detect	59.2	Detected	Trim28	4.111111111	1.06944444	4.6984127	1.2222222
A_51_P3741	2.7	Not Detect	4.2	Not Detect	17.1	Detected	11.1	Not Detect	Bcmo1	4.111111111	6.33333333	2.64285714	4.0714286
A_55_P2249	15.3	Detected	57.6	Detected	28.3	Detected	62.9	Detected	6330531I01Rik	4.111111111	1.8496732	1.09201389	0.4913194
A_52_P2969	38.4	Detected	57.8	Detected	38.1	Detected	157.8	Detected	Cnm1	4.109375	0.9921875	2.73010381	0.6591696
A_55_P2180	367.1	Detected	397.8	Detected	144.3	Detected	1506.1	Detected	Ccdc166	4.102696813	0.3930809	3.7860734	0.3627451
A_51_P5038	23.9	Detected	172.9	Detected	3.8	Not Detect	98	Detected	Slitrk6	4.10041841	0.15899582	0.56680162	0.021978
A_55_P2172	268.9	Detected	132.6	Detected	234.1	Detected	1101.5	Compromis	Trim65	4.096318334	0.87058386	8.30693816	1.76546
A_52_P6371	189.5	Detected	266	Detected	433.1	Detected	775.9	Detected	Pyroxd2	4.094459103	2.28548813	2.91691729	1.6281955
A_55_P2032	57726	Detected	18055.5	Detected	182797	Detected	236250.9	Detected	Gm3776	4.092625507	3.16663202	13.0847055	10.124173
A_55_P2137	2514.6	Detected	2074.2	Detected	2277.3	Detected	10290	Detected	Kcnu1	4.092102124	0.90563111	4.9609488	1.0979173
A_55_P2036	58.1	Detected	75.4	Detected	88	Detected	237.7	Detected	Mycbpap	4.091222031	1.51462995	3.15251989	1.1671088
A_51_P2921	578.3	Detected	1027.4	Detected	3527	Detected	2364.5	Detected	Ica1	4.088708283	6.0989106	2.30144053	3.4329375
A_55_P2007	2390	Detected	16010.8	Detected	2312.1	Detected	9769.6	Detected	Cryab	4.087698745	0.96740586	0.61018812	0.1444088
A_55_P1999	46.9	Detected	74.4	Detected	99.3	Detected	191.7	Detected	Pram1	4.087420043	2.11727079	2.5766129	1.3346774
A_51_P1363	414.9	Detected	699.1	Detected	935.6	Detected	1694.9	Detected	Galm	4.085080742	2.25500121	2.4244028	1.3382921
A_55_P2099	1241.9	Detected	2111.7	Detected	1283.6	Detected	5072.7	Detected	Apobec1	4.084628392	1.03357758	2.40218781	0.6078515
A_51_P4249	45.2	Detected	268.4	Detected	23.8	Detected	184.5	Detected	Bcl6b	4.081858407	0.52654867	0.68740686	0.0886736
A_55_P2112	85.5	Detected	312.1	Detected	89.1	Detected	348.7	Detected	4930564C03Rik	4.078362573	1.04210526	1.11727011	0.2854854
A_55_P2142	136.8	Detected	374.3	Detected	504.8	Detected	557.4	Detected	Hist2h3c2	4.074561404	3.69005848	1.4891798	1.3486508
A_55_P2157	2.7	Not Detect	16.8	Detected	3.1	Not Detect	11	Not Detect	Igsf10	4.074074074	1.14814815	0.6547619	0.1845238
A_52_P3909	4.1	Not Detect	85.4	Detected	4.3	Not Detect	16.7	Not Detect	Chst3	4.073170732	1.04878049	0.19555035	0.0503513
A_51_P2690	18677.3	Detected	36625.7	Detected	37532.6	Detected	76004.6	Detected	Chchd10	4.06935692	2.00953029	2.07517126	1.0247613
A_55_P1954	13	Not Detect	10.2	Not Detect	25.5	Detected	52.9	Not Detect	Hmgcs1	4.069230769	1.96153846	5.18627451	2.5

A_55_P1952	164.2 Detected	412.9 Detected	126.9 Detected	668 Detected	Sh3bgr	4.068209501	0.772838	1.61782514	0.3073383
A_55_P1983	834.4 Detected	427.6 Detected	5524.3 Detected	3393.4 Detected	Scel	4.066874401	6.62068552	7.93592142	12.919317
A_55_P2096	1357.5 Detected	1267.2 Detected	11763.8 Detected	5510.8 Detected	Gjb1	4.059521179	8.66578269	4.34880051	9.2833018
A_55_P2109	259.3 Detected	699.5 Detected	443.6 Detected	1052.5 Detected	Zfp941	4.059005013	1.71075974	1.50464618	0.6341673
A_55_P2071	5.2 Not Detect	30.5 Detected	24.9 Detected	21.1 Not Detect	Ppara	4.057692308	4.78846154	0.69180328	0.8163934
A_55_P2417	14.8 Not Detect	23.7 Detected	15.3 Not Detect	60 Detected	AW125324	4.054054054	1.03378378	2.53164557	0.6455696
A_55_P1998	2099.9 Detected	1001 Detected	4596.2 Detected	8513.1 Detected	Itgb4	4.054050193	2.18877089	8.5045954	4.5916084
A_51_P3357	30.9 Detected	66.2 Detected	61.7 Detected	124.9 Detected	Chn1	4.042071197	1.99676375	1.88670695	0.9320242
A_55_P2031	753.1 Detected	1518.8 Detected	2591.8 Detected	3041.7 Detected	Sspn	4.038905856	3.44150843	2.0026995	1.7064788
A_52_P1879	44.3 Detected	148 Detected	38.5 Detected	178.2 Detected	Slco1a6	4.022573363	0.86907449	1.20405405	0.2601351
A_55_P2109	130.7 Detected	173.1 Detected	200.7 Detected	524.9 Detected	Hist1h2bg	4.01606733	1.53557766	3.03235124	1.1594454
A_66_P1001	30.6 Detected	78.8 Detected	92 Detected	122.8 Detected	Serpini1	4.013071895	3.00653595	1.55837563	1.1675127
A_51_P4191	91.8 Detected	91.6 Detected	108.1 Detected	368.3 Detected	Ngly1	4.011982571	1.17755991	4.02074236	1.180131
A_52_P5323	34.2 Detected	157.4 Detected	205.8 Detected	136.9 Detected	Slc25a43	4.002923977	6.01754386	0.86975858	1.3074968
A_52_P6627	13473.7 Detected	10206.7 Detected	54951.4 Detected	53896.1 Detected	Anxa13	4.000096484	4.07841944	5.28046283	5.3838557
A_66_P1007	15.9 Detected	18.3 Not Detect	30.3 Detected	63.6 Detected	1810019N24Rik	4	1.90566038	3.47540984	1.6557377
A_55_P1993	20.3 Detected	54.7 Detected	8.7 Not Detect	81.2 Detected	LOC101055889	4	0.42857143	1.48446069	0.1590494
A_55_P1962	2.7 Not Detect	19.8 Detected	4.4 Not Detect	10.8 Not Detect	Gpr179	4	1.62962963	0.54545455	0.2222222
A_51_P2466	488.7 Detected	879.7 Detected	575.7 Detected	1953.6 Detected	Rec8	3.997544506	1.17802333	2.22075708	0.6544276
A_55_P2154	225.5 Detected	165.3 Detected	342.9 Detected	901.2 Detected	Car15	3.996452328	1.52062084	5.45190563	2.0744102
A_55_P2213	206.9 Detected	122.5 Detected	135.5 Detected	825.7 Detected	A030001D20Rik	3.99081682	0.65490575	6.74040816	1.1061224
A_51_P3365	105.8 Detected	250 Detected	1474 Detected	422.1 Detected	Kcne3	3.989603025	13.9319471	1.6884	5.896
A_52_P5089	33.8 Detected	40 Detected	93.2 Detected	134.7 Detected	Fmo1	3.985207101	2.75739645	3.3675	2.33
A_55_P2064	125.3 Detected	248.4 Detected	734 Detected	499.1 Detected	Ica1	3.983240223	5.85794094	2.00925926	2.9549114
A_55_P2052	17.8 Detected	9.7 Not Detect	18.2 Detected	70.9 Detected	Ushbp1	3.983146067	1.02247191	7.30927835	1.8762887
A_55_P1999	23.2 Detected	26 Detected	54.9 Detected	92.3 Detected	Tenm1	3.978448276	2.36637931	3.55	2.1115385
A_55_P2053	22.7 Detected	50.2 Detected	73.2 Detected	90.3 Detected	Rundc3b	3.977973568	3.2246696	1.79880478	1.4581673
A_51_P2960	885.7 Detected	766.4 Detected	1388.2 Detected	3522.4 Detected	Nrbp2	3.97696737	1.56734786	4.5960334	1.8113257
A_52_P4813	7.5 Not Detect	16.4 Detected	15.6 Detected	29.8 Not Detect	Wdr93	3.973333333	2.08	1.81707317	0.9512195
A_55_P2061	121.1 Detected	134.6 Detected	281.2 Detected	480.4 Detected	Fam83e	3.966969447	2.32204789	3.56909361	2.089153
A_55_P2190	154.6 Detected	580 Detected	193.5 Detected	613 Detected	Cdsn	3.965071151	1.25161708	1.05689655	0.3336207
A_51_P1984	15427.7 Detected	51271.4 Detected	40217.7 Detected	61152.2 Detected	H2-K1	3.963792399	2.60685002	1.19271563	0.7844081
A_55_P2045	43.9 Detected	70.7 Detected	178.1 Detected	174 Detected	2900008C10Rik	3.963553531	4.05694761	2.46110325	2.5190948
A_55_P2073	5.2 Not Detect	11.5 Not Detect	44.1 Detected	20.6 Not Detect	Epb4.114b	3.961538462	8.48076923	1.79130435	3.8347826
A_55_P2039	21.9 Detected	32 Detected	115.5 Detected	86.7 Detected	Dhdh	3.95890411	5.2739726	2.709375	3.609375
A_51_P3062	214.6 Detected	651.6 Detected	201.7 Detected	848.6 Detected	Xkr5	3.954333644	0.93988816	1.30233272	0.3095457
A_55_P2197	1076 Detected	1378.4 Detected	1743.3 Detected	4252.5 Detected	Srgap1	3.952137546	1.62016729	3.08509867	1.2647272
A_52_P2816	91.3 Detected	129.4 Detected	77.5 Detected	360.6 Detected	Klf13	3.949616648	0.84884995	2.78670788	0.5989181
A_52_P8869	2085 Detected	3217.4 Detected	4189.5 Detected	8229.3 Detected	Dgka	3.946906475	2.00935252	2.55774849	1.3021384
A_55_P1999	6884.9 Detected	12237.2 Detected	10195.7 Detected	27171.8 Detected	Pip5k1a	3.946578745	1.48087844	2.22042624	0.8331726

A_55_P1970	891.5 Detected	174.1 Detected	3419.6 Detected	3517.6 Detected	Arhgap44	3.945709478	3.83578239	20.2044802	19.641585
A_55_P2105	38.5 Detected	106.6 Detected	58.5 Detected	151.9 Detected	Tmed5	3.945454545	1.51948052	1.4249531	0.5487805
A_51_P4403	69.7 Detected	80.5 Detected	143.9 Detected	274.6 Detected	Efhc1	3.93974175	2.06456241	3.41118012	1.7875776
A_52_P1018	7.9 Not Detect	48.9 Detected	25.2 Detected	31.1 Not Detect	Mmaa	3.936708861	3.18987342	0.63599182	0.5153374
A_55_P1999	28.4 Detected	32.3 Detected	24.9 Detected	111.8 Detected	Defa1	3.936619718	0.87676056	3.46130031	0.7708978
A_51_P2499	3 Not Detect	36.2 Detected	3.5 Not Detect	11.8 Not Detect	Tceal1	3.933333333	1.16666667	0.32596685	0.0966851
A_55_P1990	978.5 Detected	2514.7 Detected	2495.7 Detected	3846.4 Detected	Stat5a	3.930914665	2.55053654	1.52956615	0.9924444
A_51_P5087	168 Detected	174.3 Detected	167.5 Detected	659.7 Detected	Mmp17	3.926785714	0.99702381	3.7848537	0.9609868
A_55_P2090	189.6 Detected	381.8 Detected	91.9 Detected	744.5 Detected	Mtus1	3.926687764	0.48470464	1.94997381	0.2407019
A_55_P2175	2342.5 Detected	1582.8 Detected	10231.7 Detected	9195.5 Detected	Leprel4	3.925506937	4.36785486	5.80964114	6.4643038
A_55_P2098	6.4 Not Detect	24 Detected	6.4 Not Detect	25.1 Not Detect	Arhgef9	3.921875	1	1.04583333	0.2666667
A_51_P3384	591.9 Detected	833.9 Detected	1712.3 Detected	2321.1 Detected	Aldh6a1	3.921439432	2.89288731	2.78342727	2.0533637
A_55_P2305	24.1 Detected	72.3 Detected	36.6 Detected	94.5 Detected	Ush1c	3.921161826	1.5186722	1.30705394	0.5062241
A_52_P4680	22.7 Detected	41.2 Detected	9.4 Not Detect	89 Detected	Tchh	3.920704846	0.41409692	2.16019417	0.2281553
A_51_P3110	3532.1 Detected	2021.1 Detected	3754.2 Detected	13839.4 Detected	Adamts15	3.918178987	1.06288044	6.8474593	1.8575033
A_51_P4978	193.7 Detected	744.5 Detected	211.4 Detected	758.9 Detected	Creb3l4	3.9179143	1.09137842	1.01934184	0.283949
A_55_P1979	38.8 Detected	125.5 Detected	50.1 Detected	152 Detected	Ikzf4	3.917525773	1.29123711	1.21115538	0.3992032
A_66_P1093	2471.4 Detected	2868.4 Detected	3965.3 Detected	9675 Detected	Rpia	3.914785142	1.6044752	3.37296054	1.3824083
A_55_P1992	2261 Detected	4853.2 Detected	10158.2 Detected	8844 Detected	Msi2	3.911543565	4.4927908	1.82230281	2.0930932
A_55_P1971	373.8 Detected	474.5 Detected	106.9 Detected	1461 Detected	Muc13	3.908507223	0.28598181	3.07903056	0.2252898
A_55_P2020	88.1 Detected	126 Detected	159.5 Detected	344 Detected	Orai3	3.904653802	1.81044268	2.73015873	1.265873
A_51_P1451	1549 Detected	73.1 Detected	4498.2 Detected	6044.7 Detected	Mcpt4	3.90232408	2.90393802	82.6908345	61.534884
A_51_P1965	807.7 Detected	1261.4 Detected	1984.7 Detected	3151.4 Detected	Bscl2	3.901696174	2.45722422	2.49833518	1.5734105
A_55_P2076	359.3 Detected	1043.1 Detected	438.4 Detected	1401.8 Detected	Nr5a1	3.90147509	1.22015029	1.34387882	0.4202857
A_55_P2043	4.5 Not Detect	84.3 Detected	3 Not Detect	17.5 Not Detect	Rpe65	3.888888889	0.66666667	0.20759193	0.0355872
A_55_P2028	31.2 Detected	94.7 Detected	387.8 Detected	121.3 Detected	Tspan2	3.887820513	12.4294872	1.28088701	4.095037
A_52_P5375	5844 Detected	8487.2 Detected	22093 Detected	22710.5 Detected	Smpd3	3.886122519	3.78045859	2.67585305	2.6030964
A_51_P2965	15.2 Detected	18.2 Detected	13 Not Detect	59 Detected	Cers4	3.881578947	0.85526316	3.24175824	0.7142857
A_51_P3710	35928.5 Detected	54395.5 Detected	78403.3 Detected	139310.1 Detected	Tm4sf4	3.877425999	2.18220354	2.56105928	1.4413564
A_51_P1376	738.3 Detected	935.2 Detected	979.9 Detected	2862.5 Detected	Card14	3.87715021	1.32723825	3.0608426	1.0477973
A_52_P4869	48.8 Detected	37.9 Detected	241.2 Detected	189.1 Detected	Spata20	3.875	4.94262295	4.98944591	6.3641161
A_52_P2333	111 Detected	311.4 Detected	178.3 Detected	429.7 Detected	Trim15	3.871171171	1.60630631	1.37989724	0.5725755
A_51_P2850	3 Not Detect	28.7 Detected	12.9 Not Detect	11.6 Not Detect	Cd160	3.866666667	4.3	0.40418118	0.4494774
A_51_P4408	4.4 Not Detect	17 Detected	3.4 Not Detect	17 Not Detect	Fam110b	3.863636364	0.77272727	1	0.2
A_51_P2346	7313.5 Detected	13392.9 Detected	16755.4 Detected	28228.9 Detected	Neat1	3.859834553	2.29102345	2.10775112	1.2510659
A_55_P2050	392.2 Detected	674.2 Detected	762 Detected	1513.2 Detected	Sh3d19	3.858235594	1.94288628	2.24443785	1.1302284
A_52_P6334	122.5 Detected	206.3 Detected	326.6 Detected	472.2 Detected	Gm129	3.854693878	2.66612245	2.28889966	1.5831314
A_55_P2008	263.9 Detected	383 Detected	232.5 Detected	1017.1 Detected	Il3ra	3.854111406	0.88101554	2.65561358	0.6070496
A_55_P2165	32.2 Detected	20.9 Detected	20.5 Detected	124.1 Detected	Cblb	3.854037267	0.63664596	5.93779904	0.9808612
A_55_P2117	6.5 Not Detect	11.3 Not Detect	19.1 Detected	25 Not Detect	9530057J20Rik	3.846153846	2.93846154	2.21238938	1.6902655

A_55_P2054	159.2 Detected	121 Detected	132.7 Detected	612.3 Detected	Crebbp	3.846105528	0.83354271	5.06033058	1.0966942
A_51_P1621	647.5 Detected	908.4 Detected	899.2 Detected	2490.2 Detected	Mblac1	3.845868726	1.38872587	2.74130339	0.9898723
A_55_P2002	115.4 Detected	126.7 Detected	127.3 Detected	443.7 Detected	Pip5k1l	3.844887348	1.10311958	3.50197316	1.0047356
A_55_P1966	7 Not Detect	20.1 Detected	16 Not Detect	26.9 Not Detect	Cyp2e1	3.842857143	2.28571429	1.33830846	0.7960199
A_55_P1984	50.7 Detected	145.4 Detected	115.6 Detected	194.8 Detected	Casp4	3.842209073	2.2800789	1.33975241	0.7950481
A_52_P3024	1019.7 Detected	1030.2 Detected	4131.3 Detected	3914.1 Detected	Fah	3.838481906	4.05148573	3.79935935	4.0101922
A_51_P4907	472.9 Detected	396.9 Detected	855.8 Detected	1815.2 Detected	Mxd1	3.838443646	1.80968492	4.57344419	2.1562106
A_55_P1964	14825.1 Detected	99435.2 Detected	12580.4 Detected	56848.5 Detected	Cryab	3.834611571	0.84858787	0.57171404	0.1265186
A_55_P2116	122.2 Detected	268.5 Detected	209.9 Detected	468.4 Detected	Ccdc106	3.833060556	1.71767594	1.74450652	0.7817505
A_51_P3788	2755.2 Detected	3966.8 Detected	2418.1 Detected	10539.5 Detected	Pfkip	3.825312137	0.87764954	2.6569275	0.6095846
A_51_P3347	313.6 Detected	459.7 Detected	598.1 Detected	1197.7 Detected	Nudt16	3.819196429	1.90720663	2.60539482	1.3010659
A_65_P0850	4.4 Not Detect	14.1 Not Detect	39 Detected	16.8 Not Detect	Adam23	3.818181818	8.86363636	1.19148936	2.7659574
A_66_P1372	11.2 Not Detect	12.7 Not Detect	3.9 Not Detect	42.7 Detected	9130409J20Rik	3.8125	0.34821429	3.36220472	0.3070866
A_51_P2794	1079.7 Detected	4623.8 Detected	2518.8 Detected	4110.9 Detected	Mfsd2a	3.807446513	2.33287024	0.88907392	0.5447467
A_55_P2183	199.6 Detected	554.1 Detected	208.9 Detected	759.9 Detected	Gli1	3.807114228	1.04659319	1.3714131	0.3770078
A_52_P3031	22.2 Detected	31 Detected	23.9 Detected	84.4 Detected	Ccr9	3.801801802	1.07657658	2.72258065	0.7709677
A_51_P2587	31.5 Detected	26.4 Detected	380.5 Detected	119.7 Detected	Paqr5	3.8	12.0793651	4.53409091	14.412879
A_55_P2024	149.5 Detected	165.6 Detected	470.5 Detected	567.8 Detected	Myo6	3.797993311	3.14715719	3.42874396	2.8411836
A_66_P1258	15.9 Detected	3.6 Not Detect	51.8 Detected	60.3 Detected	Hrh1	3.79245283	3.25786164	16.75	14.388889
A_55_P1979	591.4 Detected	2512.4 Detected	1190.1 Detected	2241.8 Detected	1810062G17Rik	3.790666216	2.01234359	0.89229422	0.4736905
A_52_P4951	164.8 Detected	246 Detected	355.4 Detected	623.6 Detected	Heca	3.783980583	2.1565534	2.53495935	1.4447154
A_55_P1990	55.4 Detected	148.3 Detected	194.6 Detected	209.6 Detected	Zfp13	3.783393502	3.51263538	1.41335131	1.312205
A_55_P1955	8 Not Detect	47.4 Detected	26.4 Detected	30.2 Not Detect	Ptpn5	3.775	3.3	0.6371308	0.556962
A_51_P3120	15.2 Detected	17.5 Detected	40.4 Detected	57.3 Detected	Cd300e	3.769736842	2.65789474	3.27428571	2.3085714
A_55_P2128	5139.7 Detected	15936.1 Detected	7725.1 Detected	19334.3 Detected	Pfn2	3.761756523	1.50302547	1.21323912	0.4847547
A_51_P4559	1588.4 Detected	2216.6 Detected	2913.4 Detected	5956.9 Detected	Pold4	3.750251826	1.83417275	2.68740413	1.3143553
A_55_P2002	2246.1 Detected	2537.7 Detected	4276 Detected	8419.7 Detected	Coro2a	3.748586439	1.90374427	3.31784687	1.6849903
A_66_P1405	14 Detected	55.3 Detected	20.5 Detected	52.3 Detected	Lhpp	3.735714286	1.46428571	0.94575045	0.3707052
A_51_P2435	114.8 Detected	5402 Detected	113.4 Detected	428.1 Detected	Macc1	3.729094077	0.98780488	0.07924843	0.0209922
A_55_P1965	3986.7 Detected	3113.1 Detected	4834.1 Detected	14866 Detected	Sh3tc1	3.728898588	1.21255675	4.77530436	1.5528252
A_55_P2140	19.5 Detected	17.3 Detected	30.9 Detected	72.7 Detected	Gm9869	3.728205128	1.58461538	4.20231214	1.7861272
A_55_P2128	951 Detected	2029.4 Detected	2462.7 Detected	3543.1 Detected	Bcl2l13	3.725657203	2.58958991	1.74588548	1.2135114
A_55_P2026	100.7 Detected	109.1 Detected	6.7 Not Detect	374.4 Detected	Pou6f1	3.717974181	0.06653426	3.43171402	0.0614115
A_55_P2063	1031.1 Detected	1280.3 Detected	1084.5 Detected	3832.5 Detected	Inadl	3.716904277	1.05178935	2.99343904	0.8470671
A_55_P2078	30.4 Detected	40.3 Detected	28.9 Detected	112.9 Detected	Otop1	3.713815789	0.95065789	2.80148883	0.7171216
A_55_P2041	3.1 Not Detect	5.3 Not Detect	21 Detected	11.5 Not Detect	1700008O03Rik	3.709677419	6.77419355	2.16981132	3.9622642
A_51_P3800	1267.9 Detected	3248.3 Detected	6613.5 Detected	4690.4 Detected	Galnt3	3.699345374	5.21610537	1.4439553	2.0359881
A_51_P3614	26.6 Detected	3.8 Not Detect	3.8 Not Detect	98.4 Detected	Scara5	3.69924812	0.14285714	25.8947368	1
A_55_P2149	521.2 Detected	1226.7 Detected	421.4 Detected	1927.8 Detected	6430548M08Rik	3.698772064	0.8085188	1.57153338	0.3435233
A_55_P2064	14.4 Not Detect	139.5 Detected	14.9 Not Detect	53.2 Detected	Lama3	3.694444444	1.03472222	0.38136201	0.10681

A_52_P4874	31.3	Detected	377.8	Detected	41.3	Detected	115.5	Detected	Nags	3.690095847	1.31948882	0.30571731	0.1093171
A_55_P2108	112.6	Detected	188.9	Detected	1307.7	Detected	415.2	Detected	Kcne3	3.687388988	11.6136767	2.19798835	6.9227104
A_66_P1039	33.3	Detected	8.1	Not Detect	32.8	Detected	122.4	Detected	Gm14318	3.675675676	0.98498498	15.1111111	4.0493827
A_55_P2010	9.4	Not Detect	17.3	Detected	8.9	Not Detect	34.5	Not Detect	1700029M03Rik	3.670212766	0.94680851	1.99421965	0.5144509
A_55_P2095	230.1	Detected	1681.9	Detected	878.7	Detected	843.9	Detected	Dusp22	3.667535854	3.81877445	0.50175397	0.5224449
A_55_P2045	178.3	Detected	103.2	Detected	131.6	Detected	652.7	Compromis	Zfp944	3.66068424	0.73808188	6.3246124	1.2751938
A_66_P1107	32.9	Detected	40.9	Detected	20.7	Detected	120.2	Detected	Cabyr	3.653495441	0.62917933	2.93887531	0.5061125
A_55_P2271	14.1	Detected	18.8	Detected	3.3	Not Detect	51.5	Detected	1700022F17Rik	3.65248227	0.23404255	2.7393617	0.1755319
A_51_P1595	11.7	Not Detect	93.8	Detected	3.2	Not Detect	42.7	Not Detect	Arhgef9	3.64957265	0.27350427	0.45522388	0.0341151
A_66_P1409	119	Detected	248.7	Detected	212.2	Detected	434.2	Detected	Cnksr1	3.648739496	1.78319328	1.74587857	0.8532368
A_51_P2241	208.5	Detected	185.9	Detected	153.8	Detected	760.1	Detected	2210016F16Rik	3.645563549	0.73764988	4.0887574	0.8273265
A_55_P2131	25.3	Detected	40.5	Detected	20.4	Detected	92.2	Detected	Ank2	3.644268775	0.80632411	2.27654321	0.5037037
A_55_P2005	19.9	Detected	29.4	Detected	13.1	Not Detect	72.5	Detected	Hbb-bh1	3.64321608	0.65829146	2.46598639	0.4455782
A_51_P3780	11.2	Not Detect	26.8	Detected	8.5	Not Detect	40.8	Not Detect	Aoc3	3.642857143	0.75892857	1.52238806	0.3171642
A_55_P2178	15.3	Detected	147.1	Detected	29.7	Detected	55.7	Detected	P2rx5	3.640522876	1.94117647	0.37865398	0.2019035
A_51_P2222	4107.3	Detected	5890.5	Detected	6178.9	Detected	14910.2	Detected	Mlycd	3.630170672	1.50437027	2.53122825	1.0489602
A_52_P4715	15.3	Detected	20.8	Detected	18.5	Detected	55.5	Detected	Ccdc116	3.62745098	1.20915033	2.66826923	0.8894231
A_51_P3222	340.2	Detected	1078.6	Detected	46.8	Detected	1233.4	Detected	Ptp4a3	3.625514403	0.13756614	1.14351938	0.0433896
A_52_P6281	8	Not Detect	5.5	Not Detect	17.1	Detected	29	Not Detect	Fam229a	3.625	2.1375	5.27272727	3.1090909
A_51_P1396	70.9	Detected	74.1	Detected	79.3	Detected	257	Detected	Nos3	3.624823695	1.11847673	3.4682861	1.0701754
A_55_P2425	51.3	Detected	230.7	Detected	154.4	Detected	185.8	Detected	2810468N07Rik	3.621832359	3.00974659	0.80537495	0.6692674
A_51_P1172	1255.1	Detected	1856.7	Detected	1984.1	Detected	4545.5	Detected	Zdhc2	3.621623775	1.58083021	2.44816072	1.0686164
A_66_P1116	58561.8	Detected	110987	Detected	81281.2	Detected	212067.3	Detected	Mt1	3.621256519	1.38795597	1.91074	0.7323488
A_51_P5159	27.1	Detected	16	Detected	230.2	Detected	98.1	Detected	Nfe2	3.619926199	8.49446494	6.13125	14.3875
A_55_P2181	1329.6	Detected	1355.3	Detected	2093.3	Detected	4811.3	Detected	Elmod1	3.6186071	1.57438327	3.54998893	1.5445289
A_55_P2194	26.7	Detected	38.3	Detected	49.6	Detected	96.6	Detected	Nfia	3.617977528	1.8576779	2.52219321	1.2950392
A_51_P3914	130.6	Detected	290	Detected	91.1	Detected	471.9	Detected	Il7	3.613323124	0.69754977	1.62724138	0.3141379
A_66_P1206	6.1	Not Detect	89.4	Detected	10.2	Not Detect	22	Not Detect	Trps1	3.606557377	1.67213115	0.24608501	0.114094
A_55_P1976	37.2	Detected	57	Detected	41.2	Detected	133.8	Detected	Prkog	3.596774194	1.10752688	2.34736842	0.722807
A_52_P6304	433.3	Detected	238.9	Detected	9.6	Not Detect	1557.7	Compromis	Lce1g	3.594968844	0.02215555	6.52030138	0.0401842
A_55_P1959	18.3	Detected	17.9	Not Detect	12.8	Not Detect	65.7	Detected	Cd164l2	3.590163934	0.69945355	3.67039106	0.7150838
A_55_P2324	21.4	Detected	33.8	Detected	53.7	Detected	76.8	Detected	0610039H22Rik	3.588785047	2.50934579	2.27218935	1.5887574
A_55_P2102	53645.7	Detected	19132.1	Detected	160090.7	Detected	192340.7	Detected	Gm10639	3.58538895	2.98422241	10.0532979	8.3676491
A_55_P1966	1223.4	Detected	906.9	Detected	2197.5	Detected	4375.8	Detected	9930105H17Rik	3.57675331	1.79622364	4.82500827	2.4230896
A_55_P2149	23.2	Detected	37.9	Detected	18	Not Detect	82.9	Detected	Hif1a	3.573275862	0.77586207	2.18733509	0.474934
A_55_P2024	136.9	Detected	158.6	Detected	3.2	Not Detect	488.9	Detected	Hoxb4	3.571219869	0.02337473	3.08259773	0.0201765
A_66_P1181	64.3	Detected	45.2	Detected	360.4	Detected	229.5	Detected	Fxyd3	3.569206843	5.60497667	5.07743363	7.9734513
A_51_P3438	322	Detected	730	Detected	392.3	Detected	1148.9	Detected	Traf1	3.568012422	1.21832298	1.57383562	0.5373973
A_55_P1976	722.8	Detected	930.8	Detected	2328.4	Detected	2578.8	Detected	Unc13d	3.56779192	3.22136137	2.77051998	2.5015041
A_55_P2282	18.2	Detected	18.4	Detected	18.2	Detected	64.9	Detected	6030443J06Rik	3.565934066	1	3.52717391	0.9891304

A_52_P5438	221.7	Detected	1752.2	Detected	348	Detected	789.9	Detected	Shpk	3.562922869	1.56968877	0.4508047	0.1986075
A_52_P3592	196.1	Detected	315.1	Detected	266.3	Detected	698.6	Detected	5830408C22Rik	3.562468129	1.35798062	2.21707394	0.8451285
A_51_P1241	12.1	Not Detect	17.4	Not Detect	39.4	Detected	43.1	Not Detect	Cyp2d22	3.561983471	3.25619835	2.47701149	2.2643678
A_51_P3616	25.5	Detected	23.8	Detected	22.4	Detected	90.8	Detected	Dopey1	3.560784314	0.87843137	3.81512605	0.9411765
A_55_P2146	80.6	Detected	80.6	Detected	87.4	Detected	286.7	Detected	Lmx1b	3.55707196	1.08436725	3.55707196	1.0843672
A_55_P2140	60.3	Detected	74.1	Detected	73.2	Detected	214.4	Detected	Gm6658	3.555555556	1.21393035	2.89338731	0.9878543
A_52_P2326	249.3	Detected	376.6	Detected	1566.1	Detected	884.6	Detected	Dhh	3.548335339	6.28198957	2.34891131	4.1585236
A_55_P2141	41.2	Detected	47.1	Detected	98.9	Detected	146.1	Detected	Nr3c2	3.546116505	2.40048544	3.10191083	2.0997877
A_55_P1968	25.3	Detected	142.5	Detected	75	Detected	89.7	Detected	Fhit	3.545454545	2.96442688	0.62947368	0.5263158
A_55_P1966	98	Detected	33.7	Detected	17.2	Detected	347.1	Detected	Ifi203	3.541836735	0.1755102	10.2997033	0.5103858
A_52_P5929	4305.3	Detected	4839.2	Detected	16324.9	Detected	15245	Detected	Dgat2	3.540984368	3.79181474	3.1503141	3.3734708
A_55_P2039	339.6	Detected	381.7	Detected	377.4	Detected	1202.4	Detected	Kcnh3	3.540636042	1.11130742	3.15011789	0.9887346
A_51_P3812	995.5	Detected	863.8	Detected	386.5	Detected	3521.8	Detected	Gulp1	3.537719739	0.38824711	4.07710118	0.4474415
A_52_P6009	27.4	Detected	36.7	Detected	78.3	Detected	96.9	Detected	Ccdc88c	3.53649635	2.85766423	2.64032698	2.133515
A_66_P1296	39.6	Detected	70	Detected	62.1	Detected	139.9	Detected	Gm2011	3.532828283	1.56818182	1.99857143	0.8871429
A_55_P1971	6.4	Not Detect	19.4	Detected	67.7	Detected	22.6	Not Detect	Herc3	3.53125	10.578125	1.16494845	3.4896907
A_55_P2083	6475.4	Detected	8263.4	Detected	29357.8	Detected	22858.5	Detected	Vsig1	3.530052198	4.53374309	2.76623424	3.5527507
A_55_P1957	551	Detected	827.7	Detected	1129.6	Detected	1943	Detected	Arrdc2	3.526315789	2.05009074	2.34746889	1.3647457
A_55_P2079	121.7	Detected	127.6	Detected	209.4	Detected	428.9	Detected	Lilra6	3.524239934	1.72062449	3.36128527	1.6410658
A_51_P2777	27.1	Detected	3.6	Not Detect	501.6	Detected	95.5	Detected	Abcc2	3.52398524	18.5092251	26.5277778	139.33333
A_51_P3698	96.9	Detected	467	Detected	98.3	Detected	341.2	Detected	Psmb9	3.521155831	1.01444788	0.73062099	0.2104925
A_52_P6545	2.7	Not Detect	59.7	Detected	3.2	Not Detect	9.5	Not Detect	Dmbx1	3.518518519	1.18518519	0.15912898	0.0536013
A_66_P1127	184	Detected	71.8	Detected	479.7	Detected	647.4	Detected	5730409E04Rik	3.518478261	2.60706522	9.01671309	6.6810585
A_51_P1877	74.5	Detected	138.6	Detected	399.6	Detected	261.9	Detected	Neur13	3.515436242	5.36375839	1.88961039	2.8831169
A_55_P2077	23.3	Detected	66.2	Detected	16.6	Detected	81.9	Detected	Gm5458	3.515021459	0.71244635	1.23716012	0.2507553
A_55_P2034	20.2	Detected	34.7	Detected	116.9	Detected	71	Detected	Eif4g3	3.514851485	5.78712871	2.04610951	3.3688761
A_55_P2167	8.8	Not Detect	40.9	Detected	23.9	Detected	30.9	Not Detect	Gm12839	3.511363636	2.71590909	0.75550122	0.5843521
A_55_P1966	16294.4	Detected	7700.4	Detected	95151.3	Detected	57211.3	Detected	Cyp2s1	3.511101974	5.83950928	7.42965301	12.35667
A_55_P2020	356.2	Detected	251.6	Detected	637.9	Detected	1250.1	Detected	6720475J19Rik	3.509545199	1.79084784	4.96860095	2.5353736
A_55_P2124	12068.9	Detected	12555.8	Detected	18240.6	Detected	42301.7	Detected	Uaca	3.505017027	1.5113722	3.36909635	1.4527629
A_51_P1445	221.4	Detected	334.8	Detected	666	Detected	775.2	Detected	Slc22a29	3.501355014	3.00813008	2.31541219	1.9892473
A_55_P2013	3	Not Detect	25.8	Detected	3.7	Not Detect	10.5	Not Detect	Prss1	3.5	1.23333333	0.40697674	0.1434109
A_51_P3783	33.6	Detected	43.1	Detected	31.5	Detected	117.4	Detected	Coq3	3.494047619	0.9375	2.72389791	0.7308585
A_55_P2088	997	Detected	1844.4	Detected	14	Not Detect	3482	Detected	Repin1	3.492477432	0.01404213	1.88787682	0.0075905
A_55_P2145	1392.4	Detected	2137.4	Detected	4410.8	Detected	4856.4	Detected	Flrt3	3.487790865	3.16776788	2.2721063	2.0636287
A_51_P2469	152.1	Detected	167.9	Detected	1000.6	Detected	530.3	Detected	Tppp3	3.486522025	6.57856673	3.15842764	5.9594997
A_52_P6769	3.1	Not Detect	35.6	Detected	3.7	Not Detect	10.8	Not Detect	Tacr3	3.483870968	1.19354839	0.30337079	0.1039326
A_51_P2212	2.9	Not Detect	3.6	Not Detect	20.2	Detected	10.1	Not Detect	LOC101055802	3.482758621	6.96551724	2.80555556	5.6111111
A_55_P2013	5.8	Not Detect	31.5	Detected	8.1	Not Detect	20.2	Not Detect	Lpar1	3.482758621	1.39655172	0.64126984	0.2571429
A_55_P2127	5	Not Detect	3.2	Not Detect	49.4	Detected	17.4	Not Detect	Gm9112	3.48	9.88	5.4375	15.4375

A_55_P2293	18.6	Detected	15.2	Not Detect	28.7	Detected	64.6	Detected	1700001C19Rik	3.47311828	1.54301075	4.25	1.8881579	
A_52_P2699	38.7	Detected	44.7	Detected	24.8	Detected	134.4	Detected	Cpt1c	3.472868217	0.64082687	3.00671141	0.5548098	
A_52_P8796	893.7	Detected	2441.4	Detected	1964.5	Detected	3103.3	Detected	Pla2g12a	3.472418037	2.19816493	1.27111493	0.8046613	
A_55_P2071	486.9	Detected	400.5	Detected	372.6	Detected	1690	Detected	Olf75-ps1	3.470938591	0.76524954	4.21972534	0.9303371	
A_51_P2493	232.2	Detected	248.9	Detected	1354.3	Detected	805.4	Detected	Herc3	3.468561585	5.83247201	3.23583769	5.441141	
A_55_P1985	3	Not Detect	3.7	Not Detect	88.8	Detected	10.4	Not Detect	Pgr	3.466666667	29.6	2.81081081	24	
A_55_P1979	3	Not Detect	3.7	Not Detect	107.2	Detected	10.4	Not Detect	Klrb1c	3.466666667	35.7333333	2.81081081	28.972973	
A_52_P4248	3	Not Detect	11.8	Not Detect	72.2	Detected	10.4	Not Detect	Mrc2	3.466666667	24.0666667	0.88135593	6.1186441	
A_52_P3012	3	Not Detect	29.6	Detected	6.8	Not Detect	10.4	Not Detect		4-Mar	3.466666667	2.26666667	0.35135135	0.2297297
A_52_P4982	3	Not Detect	29.7	Detected	3.7	Not Detect	10.4	Not Detect	Heph	3.466666667	1.23333333	0.35016835	0.1245791	
A_52_P5477	29.8	Detected	14.4	Not Detect	49.3	Detected	103.3	Detected	E030030I06Rik	3.466442953	1.65436242	7.17361111	3.4236111	
A_52_P5693	478.1	Detected	1212.2	Detected	1270.7	Detected	1656.9	Detected	Dbt	3.465592972	2.65781217	1.36685365	1.0482594	
A_55_P1988	2.8	Not Detect	3.4	Not Detect	39	Detected	9.7	Not Detect	Tox	3.464285714	13.9285714	2.85294118	11.470588	
A_52_P3211	2.8	Not Detect	3.8	Not Detect	37.5	Detected	9.7	Not Detect	Defb1	3.464285714	13.3928571	2.55263158	9.8684211	
A_55_P2056	2.8	Not Detect	8.3	Not Detect	21.2	Detected	9.7	Not Detect	Asrg1	3.464285714	7.57142857	1.1686747	2.5542169	
A_52_P3113	2.8	Not Detect	23.6	Detected	3.4	Not Detect	9.7	Not Detect	Hcn1	3.464285714	1.21428571	0.41101695	0.1440678	
A_55_P2088	42.7	Detected	31.6	Detected	36.7	Detected	147.9	Detected	Olf1312	3.463700234	0.85948478	4.68037975	1.1613924	
A_55_P2290	8.2	Not Detect	54.1	Detected	15.5	Not Detect	28.4	Not Detect	Trav3n-3	3.463414634	1.8902439	0.52495379	0.2865065	
A_51_P2019	209.5	Detected	116.5	Detected	210.4	Detected	725.3	Detected	Angpt2	3.462052506	1.00429594	6.22575107	1.8060086	
A_55_P2369	1637.1	Detected	3979.8	Detected	2244.1	Detected	5666.7	Detected	Nr1h4	3.461425692	1.37077759	1.42386552	0.5638726	
A_51_P2826	20.1	Detected	69	Detected	25.8	Detected	69.5	Detected	Maats1	3.457711443	1.28358209	1.00724638	0.373913	
A_55_P2144	4129.1	Detected	6466.4	Detected	12726.5	Detected	14267.7	Detected	Flrt3	3.455401904	3.08214865	2.20643635	1.9680966	
A_51_P4957	350.3	Detected	104.1	Detected	58.4	Detected	1209.6	Detected	Plin4	3.453040251	0.16671424	11.6195965	0.560999	
A_51_P2271	918.7	Detected	1955.2	Detected	1719.8	Detected	3171.2	Detected	2310030G06Rik	3.451834113	1.87199303	1.62193126	0.8796031	
A_51_P3565	3.1	Not Detect	22.3	Detected	3.8	Not Detect	10.7	Not Detect	Mxra7	3.451612903	1.22580645	0.47982063	0.1704036	
A_55_P2397	406.6	Detected	426.6	Detected	295.6	Detected	1402.5	Detected	B930025B16Rik	3.449335957	0.72700443	3.28762307	0.6929208	
A_52_P1014	15956.3	Detected	18310.6	Detected	36648.9	Detected	55032.2	Detected	Ddn	3.448932397	2.29682947	3.00548316	2.0015128	
A_55_P2105	2.9	Not Detect	3.6	Not Detect	40	Detected	10	Not Detect	Mrap2	3.448275862	13.7931034	2.77777778	11.111111	
A_55_P2170	2.9	Not Detect	4.8	Not Detect	68.1	Detected	10	Not Detect	Dock3	3.448275862	23.4827586	2.08333333	14.1875	
A_51_P2315	2.9	Not Detect	10	Not Detect	19	Detected	10	Not Detect	Mill2	3.448275862	6.55172414	1	1.9	
A_55_P1977	16.8	Detected	18	Detected	12.1	Not Detect	57.9	Detected	Insm1	3.446428571	0.7202381	3.21666667	0.6722222	
A_55_P2081	86.4	Detected	82.4	Detected	102.8	Detected	297.6	Detected	Slc44a1	3.444444444	1.18981481	3.61165049	1.2475728	
A_55_P1956	26.1	Detected	881.7	Detected	13.5	Not Detect	89.9	Detected	Efr3b	3.444444444	0.51724138	0.10196212	0.0153113	
A_55_P1968	297.7	Detected	499.5	Detected	802.1	Detected	1024.4	Detected	Rbpms	3.441048035	2.69432314	2.05085085	1.6058058	
A_51_P3941	3.2	Not Detect	5.9	Not Detect	84.9	Detected	11	Not Detect	Aadac	3.4375	26.53125	1.86440678	14.389831	
A_55_P2060	105	Detected	89.9	Detected	76	Detected	360.8	Detected	Scube2	3.436190476	0.72380952	4.01334816	0.8453838	
A_55_P2120	121.9	Detected	107	Detected	142.7	Detected	418.8	Detected	Mob3b	3.435602953	1.17063167	3.91401869	1.3336449	
A_55_P2043	3	Not Detect	7	Not Detect	20	Detected	10.3	Not Detect	Cacna1f	3.433333333	6.66666667	1.47142857	2.8571429	
A_52_P3551	3	Not Detect	25.9	Detected	3.8	Not Detect	10.3	Not Detect	Tnc	3.433333333	1.26666667	0.3976834	0.1467181	
A_55_P2086	3	Not Detect	35.4	Detected	5.3	Not Detect	10.3	Not Detect	1700062C10Rik	3.433333333	1.76666667	0.29096045	0.1497175	

A_55_P2088	3 Not Detect	38.9 Detected	37.2 Detected	10.3 Not Detect	Fbln5	3.433333333	12.4	0.26478149	0.9562982
A_51_P4292	3 Not Detect	181.6 Detected	3.7 Not Detect	10.3 Not Detect	Prok2	3.433333333	1.23333333	0.05671806	0.0203744
A_55_P2000	819.7 Detected	1202.9 Detected	972.2 Detected	2813.8 Detected	Rgs11	3.432719288	1.18604367	2.33918031	0.8082135
A_51_P4995	8.8 Not Detect	30.8 Detected	5.6 Not Detect	30.2 Not Detect	Osr2	3.431818182	0.63636364	0.98051948	0.1818182
A_55_P2316	233.9 Detected	291.8 Detected	255.8 Detected	802.7 Detected	6720407P12Rik	3.431808465	1.09362976	2.75085675	0.8766278
A_51_P3433	686.3 Detected	1787.2 Detected	1294.2 Detected	2355.2 Detected	Isoc2b	3.431735393	1.88576424	1.31781558	0.7241495
A_51_P3538	3142.3 Detected	1836.1 Detected	21663.7 Detected	10774.9 Detected	Sult1c2	3.428985138	6.89421761	5.86836229	11.798758
A_51_P3812	28.9 Detected	83.4 Detected	50.1 Detected	99 Detected	Zhx2	3.425605536	1.73356401	1.18705036	0.6007194
A_55_P2091	69.8 Detected	188.4 Detected	145.3 Detected	238.8 Detected	Casp4	3.421203438	2.08166189	1.26751592	0.7712314
A_52_P4677	3.1 Not Detect	20.3 Detected	3.8 Not Detect	10.6 Not Detect	Nsg1	3.419354839	1.22580645	0.52216749	0.1871921
A_52_P6700	3.1 Not Detect	24.1 Detected	3.8 Not Detect	10.6 Not Detect	Rsad2	3.419354839	1.22580645	0.43983402	0.1576763
A_55_P2167	3.1 Not Detect	24.5 Detected	8.1 Not Detect	10.6 Not Detect	Scube3	3.419354839	2.61290323	0.43265306	0.3306122
A_52_P6424	3.1 Not Detect	25.1 Detected	297 Detected	10.6 Not Detect	Kcnk1	3.419354839	95.8064516	0.42231076	11.832669
A_52_P1674	3.1 Not Detect	29.7 Detected	3.8 Not Detect	10.6 Not Detect	Tnk1	3.419354839	1.22580645	0.35690236	0.1279461
A_55_P2083	268.5 Detected	746.6 Detected	446.2 Detected	917.1 Detected	Lpin3	3.415642458	1.66182495	1.2283686	0.5976426
A_52_P4613	2.9 Not Detect	6.9 Not Detect	21.1 Detected	9.9 Not Detect	Upk3a	3.413793103	7.27586207	1.43478261	3.057971
A_52_P8761	2.9 Not Detect	24.2 Detected	3.5 Not Detect	9.9 Not Detect	E030010N08Rik	3.413793103	1.20689655	0.40909091	0.1446281
A_55_P2077	2.9 Not Detect	78.4 Detected	18.1 Detected	9.9 Not Detect	Csgalnact1	3.413793103	6.24137931	0.12627551	0.2308673
A_51_P1725	9.2 Not Detect	24529.5 Detected	3.6 Not Detect	31.4 Not Detect	Cxcl12	3.413043478	0.39130435	0.00128009	0.0001468
A_52_P2970	140.4 Detected	200.8 Detected	557.1 Detected	479 Detected	Matn3	3.411680912	3.96794872	2.38545817	2.7744024
A_55_P1987	17273 Detected	35253.7 Detected	17047.2 Detected	58902.7 Detected	Rai1	3.410102472	0.98692757	1.6708232	0.4835578
A_55_P2071	75.1 Detected	111.2 Detected	81.4 Detected	255.9 Detected	Tln2	3.407456724	1.08388815	2.30125899	0.7320144
A_51_P4777	2.7 Not Detect	3.2 Not Detect	17.3 Detected	9.2 Not Detect	4932415M13Rik	3.407407407	6.40740741	2.875	5.40625
A_55_P1966	2.7 Not Detect	25.4 Detected	4.7 Not Detect	9.2 Not Detect	Krtap20-2	3.407407407	1.74074074	0.36220472	0.1850394
A_55_P1962	2.7 Not Detect	29.1 Detected	3.5 Not Detect	9.2 Not Detect	Glec1b	3.407407407	1.2962963	0.3161512	0.1202749
A_51_P5171	67.6 Detected	180.3 Detected	134.5 Detected	230.3 Detected	Sort1	3.406804734	1.98964497	1.27731559	0.7459789
A_51_P2404	3.2 Not Detect	20.9 Detected	3.8 Not Detect	10.9 Not Detect	Pcdhb14	3.40625	1.1875	0.5215311	0.1818182
A_55_P1994	25495.4 Detected	6922.5 Detected	6290.5 Detected	86809 Detected	2310042E22Rik	3.404888725	0.24673078	12.5401228	0.9087035
A_51_P4502	350.1 Detected	609.8 Detected	506.9 Detected	1191.8 Detected	2010003K11Rik	3.404170237	1.44787204	1.95441128	0.8312561
A_66_P1140	15.9 Detected	16.8 Detected	9.1 Not Detect	54.1 Detected	Kctd7	3.402515723	0.57232704	3.2202381	0.5416667
A_55_P1961	73.7 Detected	227.2 Detected	215 Detected	250.7 Detected	Atg4c	3.401628223	2.91723202	1.1034331	0.9463028
A_51_P3186	583.6 Detected	363.7 Detected	2733.4 Detected	1984.8 Detected	Anks4b	3.400959561	4.68368746	5.45724498	7.5155348
A_66_P1380	3 Not Detect	28.1 Detected	3.6 Not Detect	10.2 Not Detect	Esr1	3.4	1.2	0.36298932	0.1281139
A_55_P2011	3 Not Detect	28.2 Detected	3.7 Not Detect	10.2 Not Detect	Cyp4a10	3.4	1.23333333	0.36170213	0.1312057
A_52_P3469	3 Not Detect	28.9 Detected	3.7 Not Detect	10.2 Not Detect	Hoxc9	3.4	1.23333333	0.35294118	0.1280277
A_55_P2088	3 Not Detect	31.3 Detected	3.7 Not Detect	10.2 Not Detect	Fbln7	3.4	1.23333333	0.32587859	0.1182109
A_55_P1990	3 Not Detect	71 Detected	3.7 Not Detect	10.2 Not Detect	Cd200r3	3.4	1.23333333	0.14366197	0.0521127
A_66_P1099	317.3 Detected	574.7 Detected	814.3 Detected	1078.3 Detected	Fermt1	3.398361172	2.566341	1.87628328	1.4169132
A_51_P4032	59.8 Detected	106.6 Detected	98.8 Detected	203.1 Detected	Ccdc116	3.39632107	1.65217391	1.90525328	0.9268293
A_66_P1385	111.8 Detected	132.6 Detected	154.8 Detected	379.6 Detected	4833419G08Rik	3.395348837	1.38461538	2.8627451	1.1674208

A_55_P2016	2.8 Not Detect	25 Detected	32.8 Detected	9.5 Not Detect	Gm7092	3.392857143	11.7142857	0.38	1.312
A_55_P2025	665.2 Detected	1073.8 Detected	431.7 Detected	2256.8 Detected	Chd9	3.39266386	0.64897775	2.10169492	0.4020302
A_55_P2054	393.4 Detected	420.5 Detected	1040.4 Detected	1334.5 Detected	Tulp2	3.392221657	2.6446365	3.17360285	2.4741974
A_51_P3100	3.1 Not Detect	3.7 Not Detect	90.7 Detected	10.5 Not Detect	Olf1r1299	3.387096774	29.2580645	2.83783784	24.513514
A_51_P1852	3.1 Not Detect	3.8 Not Detect	40.9 Detected	10.5 Not Detect	Gdf10	3.387096774	13.1935484	2.76315789	10.763158
A_55_P1986	3.1 Not Detect	3.8 Not Detect	31.4 Detected	10.5 Not Detect	4921524L21Rik	3.387096774	10.1290323	2.76315789	8.2631579
A_55_P1955	3.1 Not Detect	46 Detected	3.7 Not Detect	10.5 Not Detect	Trp53i11	3.387096774	1.19354839	0.22826087	0.0804348
A_51_P4061	3.1 Not Detect	72.8 Detected	3.8 Not Detect	10.5 Not Detect	Calcb	3.387096774	1.22580645	0.14423077	0.0521978
A_55_P2094	128.5 Detected	139.6 Detected	107 Detected	435 Detected	Gm4736	3.385214008	0.83268482	3.11604585	0.7664756
A_51_P3930	351.8 Detected	710.3 Detected	233.6 Detected	1189.7 Detected	Tigd2	3.381750995	0.66401364	1.67492609	0.3288751
A_51_P4306	2.9 Not Detect	3.4 Not Detect	26.8 Detected	9.8 Not Detect	Gpr33	3.379310345	9.24137931	2.88235294	7.8823529
A_55_P1970	2.9 Not Detect	3.5 Not Detect	127 Detected	9.8 Not Detect	Vmn2r16	3.379310345	43.7931034	2.8	36.285714
A_51_P5018	2.9 Not Detect	32.8 Detected	3.4 Not Detect	9.8 Not Detect	Pitx2	3.379310345	1.17241379	0.29878049	0.1036585
A_52_P2040	2.9 Not Detect	53.9 Detected	3.4 Not Detect	9.8 Not Detect	4933412A08Rik	3.379310345	1.17241379	0.18181818	0.0630798
A_51_P3016	2.9 Not Detect	100.2 Detected	34.3 Detected	9.8 Not Detect	Kazn	3.379310345	11.8275862	0.09780439	0.3423154
A_51_P3169	239.7 Detected	687.8 Detected	35.4 Detected	809.4 Detected	8430408G22Rik	3.376720901	0.14768461	1.17679558	0.0514685
A_55_P2112	4.8 Not Detect	17.7 Detected	18.3 Detected	16.2 Not Detect	Pate2	3.375	3.8125	0.91525424	1.0338983
A_51_P3583	3.2 Not Detect	529.9 Detected	3.8 Not Detect	10.8 Not Detect	Jam3	3.375	1.1875	0.0203812	0.0071712
A_55_P2035	23.9 Detected	47 Detected	11.8 Not Detect	80.6 Detected	Rnf208	3.372384937	0.49372385	1.71489362	0.2510638
A_51_P2341	39 Detected	106.8 Detected	78 Detected	131.3 Detected	Cdk11	3.366666667	2	1.22940075	0.7303371
A_55_P2054	3 Not Detect	10.3 Not Detect	56.1 Detected	10.1 Not Detect	Lrrc49	3.366666667	18.7	0.98058252	5.4466019
A_55_P2074	3 Not Detect	22.7 Detected	4.1 Not Detect	10.1 Not Detect	Slc6a4	3.366666667	1.36666667	0.44493392	0.1806167
A_55_P1973	3 Not Detect	30.7 Detected	3.9 Not Detect	10.1 Not Detect	LOC101055746	3.366666667	1.3	0.32899023	0.1270358
A_55_P2344	20 Detected	75.8 Detected	17.2 Not Detect	67.2 Detected	E330037115Rik	3.36	0.86	0.88654354	0.2269129
A_51_P3874	2.8 Not Detect	3.3 Not Detect	245.2 Detected	9.4 Not Detect	Serpina12	3.357142857	87.5714286	2.84848485	74.30303
A_55_P2154	2.8 Not Detect	3.3 Not Detect	17.1 Detected	9.4 Not Detect	Cdhr4	3.357142857	6.10714286	2.84848485	5.1818182
A_55_P2227	2.8 Not Detect	3.3 Not Detect	28.5 Detected	9.4 Not Detect	AI480624	3.357142857	10.1785714	2.84848485	8.6363636
A_52_P3084	2.8 Not Detect	35.1 Detected	3.3 Not Detect	9.4 Not Detect	1810011H11Rik	3.357142857	1.17857143	0.26780627	0.0940171
A_52_P1465	2.8 Not Detect	38.6 Detected	3.4 Not Detect	9.4 Not Detect	Speer4b	3.357142857	1.21428571	0.24352332	0.0880829
A_51_P1631	192.9 Detected	355 Detected	447.5 Detected	647.3 Detected	Rbm12b1	3.355624676	2.31985485	1.82338028	1.2605634
A_55_P2163	3.1 Not Detect	3.7 Not Detect	235 Detected	10.4 Not Detect	Slc7a9	3.35483871	75.8064516	2.81081081	63.513514
A_55_P2122	3.1 Not Detect	3.7 Not Detect	77.4 Detected	10.4 Not Detect	Celf2	3.35483871	24.9677419	2.81081081	20.918919
A_52_P1799	3.1 Not Detect	3.7 Not Detect	33 Detected	10.4 Not Detect	Abcg8	3.35483871	10.6451613	2.81081081	8.9189189
A_51_P3633	3.1 Not Detect	153.8 Detected	3.8 Not Detect	10.4 Not Detect	Prkd1	3.35483871	1.22580645	0.06762029	0.0247074
A_52_P3775	95.5 Detected	313.7 Detected	395.8 Detected	320.3 Detected	Ap1s3	3.353926702	4.14450262	1.02103921	1.261715
A_66_P1246	723.2 Detected	562.1 Detected	1741.5 Detected	2423.2 Detected	Gxy1t2	3.350663717	2.40804757	4.31097669	3.0982032
A_52_P6505	26.7 Detected	41.1 Detected	63.1 Detected	89.4 Detected	Prox2	3.348314607	2.36329588	2.17518248	1.5352798
A_51_P1631	2482.5 Detected	2724.7 Detected	5336.5 Detected	8311.6 Detected	Bdh1	3.348076536	2.14964753	3.05046427	1.9585642
A_55_P2253	6.9 Not Detect	21.7 Detected	14.7 Not Detect	23.1 Not Detect	9330198I05Rik	3.347826087	2.13043478	1.06451613	0.6774194
A_55_P2134	10547.8 Detected	15627.1 Detected	30356 Detected	35299.1 Detected	Qsox1	3.346584122	2.87794611	2.25883881	1.9425229

A_55_P1984	2182.7	Detected	2509.6	Detected	9205.1	Detected	7303	Detected	Smtnl2	3.34585605	4.21729967	2.9100255	3.6679551
A_55_P2114	2.9	Not Detect	3.4	Not Detect	30.4	Detected	9.7	Not Detect	Tceal3	3.344827586	10.4827586	2.85294118	8.9411765
A_52_P8873	2.9	Not Detect	3.4	Not Detect	102.4	Detected	9.7	Not Detect	1700109G14Rik	3.344827586	35.3103448	2.85294118	30.117647
A_55_P2024	2.9	Not Detect	21.6	Detected	3.9	Not Detect	9.7	Not Detect	Raver2	3.344827586	1.34482759	0.44907407	0.1805556
A_55_P2007	3.2	Not Detect	21.8	Detected	3.9	Not Detect	10.7	Not Detect	Rnf144b	3.34375	1.21875	0.49082569	0.1788991
A_66_P1090	3.2	Not Detect	28	Detected	3.8	Not Detect	10.7	Not Detect	Lrguk	3.34375	1.1875	0.38214286	0.1357143
A_51_P2419	3.2	Not Detect	37.8	Detected	3.9	Not Detect	10.7	Not Detect	Col5a3	3.34375	1.21875	0.28306878	0.1031746
A_51_P3683	110.3	Detected	3084.5	Detected	5.8	Not Detect	368.7	Detected	Vip	3.342701723	0.05258386	0.11953315	0.0018804
A_55_P2062	33.9	Detected	25.5	Detected	20.1	Detected	113.3	Detected	Smyd1	3.342182891	0.59292035	4.44313725	0.7882353
A_55_P2062	133.2	Detected	148.5	Detected	203.2	Detected	445	Detected	Pde6a	3.340840841	1.52552553	2.996633	1.3683502
A_66_P1046	31.2	Detected	143.7	Detected	223.4	Detected	104.1	Detected	4930509E16Rik	3.336538462	7.16025641	0.72442589	1.5546277
A_51_P2216	70.5	Detected	115.4	Detected	24.5	Detected	235.2	Detected	Trim62	3.336170213	0.34751773	2.03812825	0.212305
A_55_P1989	237.4	Detected	487.5	Detected	209.7	Detected	792	Detected	Gm6557	3.336141533	0.88331929	1.62461538	0.4301538
A_55_P2005	442.8	Detected	1419	Detected	416.3	Detected	1476.6	Detected	Ifih1	3.334688347	0.94015357	1.04059197	0.2933756
A_51_P1952	3	Not Detect	3.5	Not Detect	22.7	Detected	10	Not Detect	Arl13a	3.333333333	7.56666667	2.85714286	6.4857143
A_55_P1969	3	Not Detect	3.5	Not Detect	34.8	Detected	10	Not Detect	Abcc6	3.333333333	11.6	2.85714286	9.9428571
A_55_P2306	63.3	Detected	115.4	Detected	170.7	Detected	211	Detected	4931406E20Rik	3.333333333	2.69668246	1.82842288	1.4792028
A_51_P2621	3	Not Detect	18.1	Detected	3.5	Not Detect	10	Not Detect	Foxf1	3.333333333	1.16666667	0.55248619	0.1933702
A_55_P2106	3	Not Detect	19.3	Detected	3.6	Not Detect	10	Not Detect	Gm15023	3.333333333	1.2	0.51813472	0.1865285
A_52_P5170	3	Not Detect	19.5	Detected	3.6	Not Detect	10	Not Detect	9530091C08Rik	3.333333333	1.2	0.51282051	0.1846154
A_55_P2152	3	Not Detect	21.3	Detected	6.2	Not Detect	10	Not Detect	Adam28	3.333333333	2.06666667	0.46948357	0.2910798
A_51_P3426	3	Not Detect	22.6	Detected	7	Not Detect	10	Not Detect	Cd79b	3.333333333	2.33333333	0.44247788	0.3097345
A_55_P2101	3	Not Detect	65.1	Detected	3.6	Not Detect	10	Not Detect	Kpna7	3.333333333	1.2	0.15360983	0.0552995
A_55_P2096	2.7	Not Detect	3.1	Not Detect	18.4	Detected	9	Not Detect	Rfx8	3.333333333	6.81481481	2.90322581	5.9354839
A_51_P4881	2.7	Not Detect	3.1	Not Detect	31.7	Detected	9	Not Detect	Lrrtm3	3.333333333	11.7407407	2.90322581	10.225806
A_51_P4379	2.7	Not Detect	3.1	Not Detect	41.1	Detected	9	Not Detect	Agtr2	3.333333333	15.2222222	2.90322581	13.258065
A_55_P2121	2.7	Not Detect	3.2	Not Detect	58.4	Detected	9	Not Detect	E530001K10Rik	3.333333333	21.6296296	2.8125	18.25
A_55_P2076	2.7	Not Detect	3.5	Not Detect	24.2	Detected	9	Not Detect	Creb5	3.333333333	8.96296296	2.57142857	6.9142857
A_55_P2066	2.7	Not Detect	13.9	Not Detect	27.4	Detected	9	Not Detect	Hck	3.333333333	10.1481481	0.64748201	1.971223
A_55_P2047	2.7	Not Detect	14.1	Not Detect	24.9	Detected	9	Not Detect	Tmc5	3.333333333	9.22222222	0.63829787	1.7659574
A_55_P1969	2.7	Not Detect	17.5	Detected	5.3	Not Detect	9	Not Detect	Hsd3b4	3.333333333	1.96296296	0.51428571	0.3028571
A_52_P4704	2.7	Not Detect	21.1	Detected	3.2	Not Detect	9	Not Detect	D3Bwg0562e	3.333333333	1.18518519	0.42654028	0.1516588
A_55_P2005	2.7	Not Detect	99.2	Detected	3.2	Not Detect	9	Not Detect	Fmn2	3.333333333	1.18518519	0.09072581	0.0322581
A_55_P2010	5084.4	Detected	4017.5	Detected	10465.9	Detected	16947	Detected	Slc6a9	3.333136653	2.05843364	4.21829496	2.6050778
A_55_P2142	15310.1	Detected	29540.1	Detected	14863.7	Detected	50991.9	Detected	Rai1	3.330605287	0.97084278	1.72619253	0.5031703
A_55_P2334	151.6	Detected	137.1	Detected	102.8	Detected	504.5	Detected	Rsf1	3.327836412	0.67810026	3.67979577	0.7498177
A_55_P1994	34.1	Detected	102.7	Detected	95.2	Detected	113.4	Detected	Tmem184a	3.325513196	2.79178886	1.10418695	0.9269718
A_55_P1996	768.9	Detected	763.4	Detected	3598.3	Detected	2556.3	Detected	Fgfr3	3.324619586	4.67980231	3.34857218	4.7135185
A_52_P1977	7.4	Not Detect	61.9	Detected	3.3	Not Detect	24.6	Not Detect	Hmgcll1	3.324324324	0.44594595	0.39741519	0.0533118
A_55_P2009	3.1	Not Detect	8.4	Not Detect	22.1	Detected	10.3	Not Detect	Atp1a4	3.322580645	7.12903226	1.22619048	2.6309524

A_52_P1920	3.1 Not Detect	20.5 Detected	3.7 Not Detect	10.3 Not Detect	Agbl4	3.322580645	1.19354839	0.50243902	0.1804878
A_55_P1984	3.1 Not Detect	107 Detected	3.7 Not Detect	10.3 Not Detect	Lrrk2	3.322580645	1.19354839	0.09626168	0.0345794
A_55_P1975	2.8 Not Detect	3.2 Not Detect	19.3 Detected	9.3 Not Detect	Wdr63	3.321428571	6.89285714	2.90625	6.03125
A_55_P2042	2.8 Not Detect	3.9 Not Detect	42 Detected	9.3 Not Detect	Wfdc8	3.321428571	15	2.38461538	10.769231
A_51_P3785	2.8 Not Detect	17.8 Detected	3.3 Not Detect	9.3 Not Detect	Atf7ip2	3.321428571	1.17857143	0.52247191	0.1853933
A_66_P1186	2.8 Not Detect	25.6 Detected	3.3 Not Detect	9.3 Not Detect	Gm46	3.321428571	1.17857143	0.36328125	0.1289063
A_65_P1993	21.3 Detected	43.2 Detected	12.2 Not Detect	70.7 Detected	Zdhhc23	3.319248826	0.57276995	1.63657407	0.2824074
A_51_P4147	11341.8 Detected	16653.9 Detected	22447.5 Detected	37579.7 Detected	Ddt	3.313380592	1.9791832	2.25651049	1.3478825
A_51_P2970	3.2 Not Detect	107 Detected	3.8 Not Detect	10.6 Not Detect	Tmod1	3.3125	1.1875	0.09906542	0.035514
A_55_P2106	2.9 Not Detect	3.3 Not Detect	46.9 Detected	9.6 Not Detect	Vmn1r175	3.310344828	16.1724138	2.90909091	14.212121
A_55_P2127	2.9 Not Detect	3.3 Not Detect	22.1 Detected	9.6 Not Detect	Gm2511	3.310344828	7.62068966	2.90909091	6.6969697
A_55_P2120	2.9 Not Detect	3.3 Not Detect	17.3 Detected	9.6 Not Detect	Dab1	3.310344828	5.96551724	2.90909091	5.2424242
A_55_P2161	2.9 Not Detect	21.6 Detected	42.8 Detected	9.6 Not Detect	Acmsd	3.310344828	14.7586207	0.44444444	1.9814815
A_55_P2065	2.9 Not Detect	27 Detected	3.4 Not Detect	9.6 Not Detect	Ebf1	3.310344828	1.17241379	0.35555556	0.1259259
A_52_P6501	2.9 Not Detect	47.4 Detected	3.5 Not Detect	9.6 Not Detect	Nipal2	3.310344828	1.20689655	0.20253165	0.0738397
A_55_P2157	2.9 Not Detect	51.4 Detected	3.4 Not Detect	9.6 Not Detect	Igsf10	3.310344828	1.17241379	0.18677043	0.0661479
A_51_P5168	2.9 Not Detect	335.4 Detected	3.5 Not Detect	9.6 Not Detect	Itm2a	3.310344828	1.20689655	0.02862254	0.0104353
A_55_P2160	5.5 Not Detect	33.7 Detected	11.7 Not Detect	18.2 Not Detect	Olfm1	3.309090909	2.12727273	0.54005935	0.347181
A_55_P2110	1549.4 Detected	2334.3 Detected	5032 Detected	5127 Detected	Flrt3	3.309022848	3.24770879	2.19637579	2.1556784
A_51_P2864	150.3 Detected	182 Detected	208.1 Detected	497.1 Detected	Hist1h2ae	3.30738523	1.3845642	2.73131868	1.1434066
A_52_P2558	1708.9 Detected	1811.7 Detected	2454.1 Detected	5649.9 Detected	Fam57a	3.306161859	1.43606999	3.11856268	1.3545841
A_55_P2295	744.7 Detected	1089.3 Detected	1806.1 Detected	2460.4 Detected	2210019I11Rik	3.303880757	2.42527192	2.25869825	1.6580373
A_51_P1496	67.3 Detected	98.4 Detected	83 Detected	222.2 Detected	Gabrd	3.301634473	1.2332838	2.25813008	0.8434959
A_55_P2022	3 Not Detect	3.5 Not Detect	21.8 Detected	9.9 Not Detect	Scgb1b7	3.3	7.26666667	2.82857143	6.2285714
A_51_P1228	3 Not Detect	3.5 Not Detect	20.6 Detected	9.9 Not Detect	Pax5	3.3	6.86666667	2.82857143	5.8857143
A_55_P1978	3 Not Detect	3.5 Not Detect	117.2 Detected	9.9 Not Detect	4930519F16Rik	3.3	39.0666667	2.82857143	33.485714
A_55_P2275	3 Not Detect	12 Not Detect	19.9 Detected	9.9 Not Detect	A630012P03Rik	3.3	6.63333333	0.825	1.6583333
A_65_P0762	3 Not Detect	18.5 Detected	3.5 Not Detect	9.9 Not Detect	Dach1	3.3	1.16666667	0.53513514	0.1891892
A_55_P2033	3 Not Detect	26.1 Detected	3.5 Not Detect	9.9 Not Detect	Shisa7	3.3	1.16666667	0.37931034	0.1340996
A_51_P1461	3 Not Detect	26.4 Detected	9.7 Not Detect	9.9 Not Detect	Napsa	3.3	3.23333333	0.375	0.3674242
A_55_P2026	3 Not Detect	29.2 Detected	3.6 Not Detect	9.9 Not Detect	Fam189a1	3.3	1.2	0.3390411	0.1232877
A_52_P2204	3 Not Detect	56.5 Detected	3.5 Not Detect	9.9 Not Detect	Slc6a15	3.3	1.16666667	0.17522124	0.0619469
A_55_P2365	3 Not Detect	56.5 Detected	3.6 Not Detect	9.9 Not Detect	LOC433198	3.3	1.2	0.17522124	0.0637168
A_55_P1994	3 Not Detect	118.3 Detected	3.6 Not Detect	9.9 Not Detect	Heph	3.3	1.2	0.08368555	0.0304311
A_51_P3943	205.4 Detected	485.4 Detected	2087.8 Detected	677.2 Detected	Tspan2	3.2969815	10.164557	1.39513803	4.3011949
A_51_P4076	2.7 Not Detect	3.1 Not Detect	108.7 Detected	8.9 Not Detect	Zrsr1	3.296296296	40.2592593	2.87096774	35.064516
A_52_P4009	2.7 Not Detect	6 Not Detect	119.1 Detected	8.9 Not Detect	Igkv8-16	3.296296296	44.1111111	1.48333333	19.85
A_55_P2166	2.7 Not Detect	7.7 Not Detect	31.2 Detected	8.9 Not Detect	H2-M1	3.296296296	11.5555556	1.15584416	4.0519481
A_51_P1108	2.7 Not Detect	16.3 Detected	5.9 Not Detect	8.9 Not Detect	Olfir926	3.296296296	2.18518519	0.54601227	0.3619632
A_55_P1990	2.7 Not Detect	20.8 Detected	5.7 Not Detect	8.9 Not Detect	Brinp3	3.296296296	2.11111111	0.42788462	0.2740385

A_55_P2115	2.7 Not Detect	21.3 Detected	3.2 Not Detect	8.9 Not Detect	Fap	3.296296296	1.18518519	0.41784038	0.1502347
A_55_P2069	2.7 Not Detect	22 Detected	7.6 Not Detect	8.9 Not Detect	Mapk10	3.296296296	2.81481481	0.40454545	0.3454545
A_55_P2314	2.7 Not Detect	49.3 Detected	3.2 Not Detect	8.9 Not Detect	5430405H02Rik	3.296296296	1.18518519	0.18052738	0.0649087
A_51_P2471	2.7 Not Detect	70.4 Detected	3.2 Not Detect	8.9 Not Detect	Npr3	3.296296296	1.18518519	0.12642045	0.0454545
A_55_P1963	2.7 Not Detect	120.3 Detected	3.1 Not Detect	8.9 Not Detect	Gabra3	3.296296296	1.14814815	0.07398171	0.0257689
A_52_P2282	5560.1 Detected	12555.2 Detected	13727.6 Detected	18306.2 Detected	Tfrc	3.292422798	2.4689484	1.45805722	1.0933796
A_55_P1968	63.2 Detected	40 Detected	310.8 Detected	208 Detected	LOC101055715	3.291139241	4.91772152	5.2	7.77
A_55_P2092	3.1 Not Detect	9.7 Not Detect	18.8 Detected	10.2 Not Detect	Il18r1	3.290322581	6.06451613	1.05154639	1.9381443
A_66_P1349	11.4 Not Detect	20.5 Detected	29 Detected	37.5 Not Detect	Gm15441	3.289473684	2.54385965	1.82926829	1.4146341
A_55_P1959	228.8 Detected	324.1 Detected	1153.5 Detected	752.5 Detected	Fmo5	3.288898601	5.04152098	2.32181425	3.5590867
A_55_P2138	13.5 Not Detect	31.8 Detected	39.5 Detected	44.4 Not Detect	Cyb5rl	3.288888889	2.92592593	1.39622642	1.2421384
A_51_P2691	10.4 Not Detect	22.3 Detected	24.4 Detected	34.2 Not Detect	Sftpb	3.288461538	2.34615385	1.53363229	1.0941704
A_55_P2045	308.7 Detected	196.9 Detected	1028.7 Detected	1014.6 Detected	Hrh1	3.286686103	3.33236152	5.15286948	5.2244794
A_66_P1401	2.8 Not Detect	3.2 Not Detect	18 Detected	9.2 Not Detect	Itga4	3.285714286	6.42857143	2.875	5.625
A_51_P2496	2.8 Not Detect	3.3 Not Detect	73.8 Detected	9.2 Not Detect	Trdn	3.285714286	26.3571429	2.78787879	22.363636
A_55_P2133	2.8 Not Detect	28.2 Detected	3.3 Not Detect	9.2 Not Detect	Tas2r115	3.285714286	1.17857143	0.32624113	0.1170213
A_55_P1959	2.8 Not Detect	68.4 Detected	3.3 Not Detect	9.2 Not Detect	Dach1	3.285714286	1.17857143	0.13450292	0.0482456
A_52_P7441	2.8 Not Detect	72.1 Detected	3.3 Not Detect	9.2 Not Detect	Xirp2	3.285714286	1.17857143	0.12760055	0.0457698
A_55_P2170	271.2 Detected	876.9 Detected	1050.4 Detected	889.8 Detected	Ap1s3	3.280973451	3.87315634	1.01471091	1.1978561
A_51_P5005	627.1 Detected	1964.9 Detected	1743.4 Detected	2057.2 Detected	Flywch2	3.280497528	2.78009887	1.0469744	0.8872716
A_55_P2084	2.9 Not Detect	24.1 Detected	5.8 Not Detect	9.5 Not Detect	Rarb	3.275862069	2	0.39419087	0.2406639
A_51_P3762	2.9 Not Detect	77.2 Detected	3.4 Not Detect	9.5 Not Detect	Serping1	3.275862069	1.17241379	0.12305699	0.0440415
A_55_P1956	2.9 Not Detect	106.5 Detected	3.4 Not Detect	9.5 Not Detect	Dach2	3.275862069	1.17241379	0.08920188	0.0319249
A_55_P2129	2.9 Not Detect	184.5 Detected	3.4 Not Detect	9.5 Not Detect	Cypr1	3.275862069	1.17241379	0.05149051	0.0184282
A_55_P2277	16.4 Detected	24 Detected	17.1 Not Detect	53.7 Detected	Dnah1	3.274390244	1.04268293	2.2375	0.7125
A_51_P1756	2619.1 Detected	7345.1 Detected	5898.7 Detected	8567.5 Detected	Mtfp1	3.271161849	2.25218587	1.16642387	0.8030796
A_55_P2140	624.5 Detected	952.4 Detected	1132.1 Detected	2041.7 Detected	Krt32	3.269335468	1.81281025	2.14374213	1.1886812
A_51_P1878	3 Not Detect	31.8 Detected	3.5 Not Detect	9.8 Not Detect	Eif4e3	3.266666667	1.16666667	0.3081761	0.1100629
A_52_P1546	52.1 Detected	45.7 Detected	112.9 Detected	170.1 Detected	Il15	3.26487524	2.16698656	3.72210066	2.4704595
A_55_P2060	9.1 Not Detect	17.8 Detected	14.5 Not Detect	29.7 Not Detect	Mtl5	3.263736264	1.59340659	1.66853933	0.8146067
A_55_P1971	2.7 Not Detect	3.1 Not Detect	19 Detected	8.8 Not Detect	Slx1l	3.259259259	7.03703704	2.83870968	6.1290323
A_55_P2094	2.7 Not Detect	3.1 Not Detect	49.5 Detected	8.8 Not Detect	Ocm	3.259259259	18.3333333	2.83870968	15.967742
A_51_P1419	2.7 Not Detect	17.2 Detected	4.1 Not Detect	8.8 Not Detect	Fxyd4	3.259259259	1.51851852	0.51162791	0.2383721
A_55_P2170	2.7 Not Detect	20.5 Detected	3.1 Not Detect	8.8 Not Detect	Olf1153	3.259259259	1.14814815	0.42926829	0.1512195
A_52_P2936	2.7 Not Detect	24.3 Detected	3.2 Not Detect	8.8 Not Detect	Sult2a7	3.259259259	1.18518519	0.36213992	0.1316872
A_55_P2176	2.7 Not Detect	57.6 Detected	3.2 Not Detect	8.8 Not Detect	Cyp2j5	3.259259259	1.18518519	0.15277778	0.0555556
A_55_P2120	2.7 Not Detect	253.7 Detected	4.3 Not Detect	8.8 Not Detect	Cldn24	3.259259259	1.59259259	0.03468664	0.0169492
A_55_P1957	30.5 Detected	25.8 Detected	77.6 Detected	99.4 Detected	Gm3161	3.259016393	2.5442623	3.85271318	3.0077519
A_51_P2696	30.2 Detected	47.4 Detected	63.7 Detected	98.4 Detected	Zfp14	3.258278146	2.10927152	2.07594937	1.3438819
A_51_P3646	309 Detected	266.4 Detected	133.6 Detected	1006.5 Detected	Rnf32	3.257281553	0.43236246	3.77815315	0.5015015

A_66_P1018	139.4 Detected	149.7 Detected	152.1 Detected	453.6 Detected	Chrna4	3.253945481	1.09110473	3.03006012	1.0160321
A_55_P2181	1591.9 Detected	1569.5 Detected	3160.2 Detected	5179.6 Detected	Bdh1	3.253721967	1.98517495	3.30015929	2.0135075
A_51_P2750	205.6 Detected	639 Detected	655.5 Detected	668.7 Detected	Spaca7	3.252431907	3.18822957	1.04647887	1.0258216
A_55_P2056	6.8 Not Detect	15.6 Detected	15.4 Not Detect	22.1 Not Detect	Lymr7	3.25	2.26470588	1.41666667	0.9871795
A_51_P4493	2.8 Not Detect	3.2 Not Detect	27.7 Detected	9.1 Not Detect	H2-Oa	3.25	9.89285714	2.84375	8.65625
A_55_P1954	2.8 Not Detect	3.2 Not Detect	25.2 Detected	9.1 Not Detect	Gm21637	3.25	9	2.84375	7.875
A_55_P2294	2.8 Not Detect	3.2 Not Detect	455.6 Detected	9.1 Not Detect	2810030D12Rik	3.25	162.714286	2.84375	142.375
A_52_P7457	2.8 Not Detect	20.1 Detected	3.3 Not Detect	9.1 Not Detect	Ccdc65	3.25	1.17857143	0.45273632	0.1641791
A_51_P3895	2.8 Not Detect	22.9 Detected	3.3 Not Detect	9.1 Not Detect	Gpr98	3.25	1.17857143	0.39737991	0.1441048
A_55_P2167	2.8 Not Detect	37.9 Detected	3.3 Not Detect	9.1 Not Detect	Scube3	3.25	1.17857143	0.24010554	0.0870712
A_55_P1966	2.8 Not Detect	41.8 Detected	3.3 Not Detect	9.1 Not Detect	Trpc6	3.25	1.17857143	0.21770335	0.0789474
A_51_P4614	2.8 Not Detect	247.2 Detected	3.3 Not Detect	9.1 Not Detect	Cyp7b1	3.25	1.17857143	0.0368123	0.0133495
A_55_P1976	427.3 Detected	1230.9 Detected	259.3 Detected	1386.8 Detected	Ckb	3.245494968	0.60683361	1.12665529	0.2106589
A_51_P1091	1699.2 Detected	1624.5 Detected	3022.3 Detected	5512.5 Detected	Grtp1	3.244173729	1.77866055	3.3933518	1.8604494
A_55_P2120	4.1 Not Detect	19 Detected	15.9 Not Detect	13.3 Not Detect	Rad51b	3.243902439	3.87804878	0.7	0.8368421
A_51_P1134	386.3 Detected	669.1 Detected	655.8 Detected	1252.3 Detected	Slc26a11	3.241780999	1.69764432	1.87161859	0.9801226
A_52_P1161	220.9 Detected	224.2 Detected	413.7 Detected	716.1 Detected	Coro2a	3.241738343	1.87279312	3.19402319	1.8452275
A_51_P3408	2.9 Not Detect	3.3 Not Detect	18.7 Detected	9.4 Not Detect	Zkscan4	3.24137931	6.44827586	2.84848485	5.6666667
A_55_P2125	2.9 Not Detect	3.3 Not Detect	22.8 Detected	9.4 Not Detect	Celf2	3.24137931	7.86206897	2.84848485	6.9090909
A_52_P6474	2.9 Not Detect	28.7 Detected	3.4 Not Detect	9.4 Not Detect	Gspt2	3.24137931	1.17241379	0.32752613	0.1184669
A_55_P2138	2.9 Not Detect	29.2 Detected	3.4 Not Detect	9.4 Not Detect	Sgcd	3.24137931	1.17241379	0.32191781	0.1164384
A_51_P3503	353.4 Detected	556.7 Detected	853.1 Detected	1144.8 Detected	Rbpms	3.239388795	2.41397849	2.05640381	1.5324232
A_55_P2088	801.7 Detected	1156.8 Detected	1381.2 Detected	2596.5 Detected	Arrdc2	3.238742672	1.72283897	2.24455394	1.1939834
A_55_P2136	131.1 Detected	255.8 Detected	335.7 Detected	424.4 Detected	Heca	3.237223494	2.56064073	1.65910868	1.3123534
A_66_P1405	15 Detected	46.8 Detected	42.9 Detected	48.5 Not Detect	A630076J17Rik	3.233333333	2.86	1.03632479	0.9166667
A_55_P2330	3 Not Detect	3.7 Not Detect	78.1 Detected	9.7 Not Detect	Olf947-ps1	3.233333333	26.0333333	2.62162162	21.108108
A_55_P2074	3083.8 Detected	2945.3 Detected	26129.5 Detected	9965.9 Detected	Adap1	3.231694662	8.47315001	3.38366211	8.871592
A_55_P2415	357.2 Detected	470.1 Detected	795 Detected	1154.3 Detected	2810013P06Rik	3.231522956	2.2256439	2.45543501	1.6911295
A_55_P2034	2.6 Not Detect	2.9 Not Detect	64.7 Detected	8.4 Not Detect	Gm6145	3.230769231	24.8846154	2.89655172	22.310345
A_55_P2417	2.6 Not Detect	2.9 Not Detect	30.3 Detected	8.4 Not Detect	E130215H24Rik	3.230769231	11.6538462	2.89655172	10.448276
A_51_P3523	2.6 Not Detect	22.4 Detected	3 Not Detect	8.4 Not Detect	Homer2	3.230769231	1.15384615	0.375	0.1339286
A_55_P2132	2.6 Not Detect	23.2 Detected	3 Not Detect	8.4 Not Detect	Gm5532	3.230769231	1.15384615	0.36206897	0.1293103
A_55_P1991	540 Detected	1122.7 Detected	805.5 Detected	1744 Detected	Fbxo24	3.22962963	1.49166667	1.55339806	0.7174668
A_55_P2076	9.2 Not Detect	20.1 Detected	3.5 Not Detect	29.7 Not Detect	Tmem255a	3.22826087	0.38043478	1.47761194	0.1741294
A_55_P1973	6057.7 Detected	4783.2 Detected	12362.7 Detected	19539.8 Detected	Slc6a9	3.225613682	2.04082408	4.08508948	2.5846086
A_51_P2491	1601.2 Detected	4464.2 Detected	5788.7 Detected	5162 Detected	Abcb4	3.223832126	3.61522608	1.1563102	1.2966937
A_51_P4267	4250.4 Detected	3706.7 Detected	14303.4 Detected	13700.3 Detected	Gpt	3.223296631	3.36518916	3.69609086	3.8587962
A_55_P1994	2.7 Not Detect	3 Not Detect	16.5 Detected	8.7 Not Detect	Sowahd	3.222222222	6.11111111	2.9	5.5
A_55_P2123	2.7 Not Detect	3 Not Detect	88.6 Detected	8.7 Not Detect	Olf9553	3.222222222	32.8148148	2.9	29.533333
A_55_P2270	2.7 Not Detect	3 Not Detect	21.2 Detected	8.7 Not Detect	Gm10441	3.222222222	7.85185185	2.9	7.0666667

A_55_P2015	2.7 Not Detect	10.8 Not Detect	43.1 Detected	8.7 Not Detect	Clec2f	3.22222222	15.962963	0.80555556	3.9907407
A_52_P6755	2.7 Not Detect	16.2 Detected	3.1 Not Detect	8.7 Not Detect	Fat4	3.22222222	1.14814815	0.53703704	0.191358
A_55_P2002	2.7 Not Detect	18 Detected	3.1 Not Detect	8.7 Not Detect	Tmem74b	3.22222222	1.14814815	0.48333333	0.1722222
A_55_P2017	2.7 Not Detect	18.7 Detected	13 Not Detect	8.7 Not Detect	Gm4788	3.22222222	4.81481481	0.46524064	0.6951872
A_55_P2044	2.7 Not Detect	28.5 Detected	3.1 Not Detect	8.7 Not Detect	Gpr87	3.22222222	1.14814815	0.30526316	0.1087719
A_55_P1953	2.7 Not Detect	78 Detected	3.1 Not Detect	8.7 Not Detect	Stk39	3.22222222	1.14814815	0.11153846	0.0397436
A_55_P2056	2.7 Not Detect	186.6 Detected	20.4 Detected	8.7 Not Detect	Snap91	3.22222222	7.55555556	0.04662379	0.1093248
A_51_P1859	1176.1 Detected	1518.3 Detected	1833.8 Detected	3787.1 Detected	Abi3	3.220049316	1.55922115	2.49430284	1.2077982
A_51_P1470	19.1 Detected	26.3 Detected	61.7 Detected	61.5 Detected	1600014C23Rik	3.219895288	3.23036649	2.33840304	2.3460076
A_66_P1306	32.8 Detected	109 Detected	39.9 Detected	105.6 Detected	Abcg4	3.219512195	1.21646341	0.96880734	0.366055
A_55_P2176	3.2 Not Detect	38.5 Detected	3.7 Not Detect	10.3 Not Detect	Prkar1b	3.21875	1.15625	0.26753247	0.0961039
A_55_P2063	11.9 Not Detect	16.7 Not Detect	20.5 Detected	38.3 Not Detect	Inadl	3.218487395	1.72268908	2.29341317	1.2275449
A_55_P1964	276.8 Detected	352.7 Detected	210.2 Detected	890.5 Detected	1110051M20Rik	3.217124277	0.75939306	2.52480862	0.5959739
A_55_P2172	2876.7 Detected	3328.9 Detected	2123.1 Detected	9251.7 Detected	Cnih2	3.216080926	0.73803316	2.77920634	0.6377782
A_55_P2055	2.8 Not Detect	3.2 Not Detect	17.4 Detected	9 Not Detect	Lrrc69	3.214285714	6.21428571	2.8125	5.4375
A_55_P2143	2.8 Not Detect	3.2 Not Detect	195.1 Detected	9 Not Detect	Defa-ps13	3.214285714	69.6785714	2.8125	60.96875
A_55_P2104	76 Detected	48.5 Detected	46.6 Detected	244 Detected	Pisd-ps2	3.210526316	0.61315789	5.03092784	0.9608247
A_55_P2030	89.9 Detected	108.3 Detected	373.9 Detected	288.6 Detected	Dusp13	3.210233593	4.15906563	2.66481994	3.4524469
A_51_P3636	277.9 Detected	404.9 Detected	254.1 Detected	891.5 Detected	1700088E04Rik	3.207988485	0.91435768	2.20177822	0.6275624
A_51_P4460	18.3 Detected	18.6 Detected	21 Detected	58.7 Detected	Scd3	3.207650273	1.14754098	3.15591398	1.1290323
A_55_P2129	138.6 Detected	126.6 Detected	164.9 Detected	444.5 Detected	LOC101056661	3.207070707	1.18975469	3.51105845	1.3025276
A_55_P2346	2.9 Not Detect	3.3 Not Detect	18 Detected	9.3 Not Detect	C730037M02Rik	3.206896552	6.20689655	2.81818182	5.4545455
A_51_P3562	59.1 Detected	53.1 Detected	87.5 Detected	189.4 Detected	Acrbp	3.204737733	1.48054146	3.56685499	1.6478343
A_52_P5227	416.2 Detected	673.4 Detected	486.1 Detected	1333.1 Detected	Ebna1bp2	3.203027391	1.1679481	1.97965548	0.7218592
A_55_P2115	6 Not Detect	11.9 Not Detect	39.4 Detected	19.2 Not Detect	Mst1	3.2	6.56666667	1.61344538	3.3109244
A_52_P6256	983.9 Detected	1032.7 Detected	2850.4 Detected	3145.7 Detected	Pxmp4	3.19717451	2.89704238	3.04609277	2.7601433
A_52_P1121	122.6 Detected	224.6 Detected	554.3 Detected	391.9 Detected	Tmem82	3.196574225	4.52120718	1.74487979	2.467943
A_51_P4010	117 Detected	116.3 Detected	225.4 Detected	373.9 Detected	1600016N20Rik	3.195726496	1.92649573	3.21496131	1.9380911
A_55_P1989	15.9 Detected	16.2 Not Detect	35.2 Detected	50.8 Detected	Lphn2	3.194968553	2.21383648	3.13580247	2.1728395
A_52_P2237	54.4 Detected	93.8 Detected	74.3 Detected	173.8 Detected	Faah	3.194852941	1.36580882	1.85287846	0.7921109
A_52_P1495	8.3 Not Detect	20.5 Detected	15.6 Not Detect	26.5 Not Detect	Rab25	3.192771084	1.87951807	1.29268293	0.7609756
A_51_P3575	830.6 Detected	1114.6 Detected	1372 Detected	2651.8 Detected	Fbxw9	3.192631832	1.65181796	2.37914947	1.2309349
A_55_P1964	2.6 Not Detect	2.9 Not Detect	19.5 Detected	8.3 Not Detect	Lrrc43	3.192307692	7.5	2.86206897	6.7241379
A_52_P3548	2.6 Not Detect	2.9 Not Detect	27.2 Detected	8.3 Not Detect	Irf8	3.192307692	10.4615385	2.86206897	9.3793103
A_55_P2026	2.6 Not Detect	2.9 Not Detect	22.1 Detected	8.3 Not Detect	Foxb2	3.192307692	8.5	2.86206897	7.6206897
A_55_P2171	2.6 Not Detect	14.9 Detected	3 Not Detect	8.3 Not Detect	Gm2483	3.192307692	1.15384615	0.55704698	0.2013423
A_52_P3877	2.6 Not Detect	31.5 Detected	9.2 Not Detect	8.3 Not Detect	Tcf7l1	3.192307692	3.53846154	0.26349206	0.2920635
A_55_P2015	1348.3 Detected	2610.5 Detected	1711.2 Detected	4300.1 Detected	Kazald1	3.189275384	1.26915375	1.64723233	0.6555066
A_55_P2096	1751.9 Detected	4000.8 Detected	1683.5 Detected	5584.9 Detected	Arhgdig	3.187910269	0.96095668	1.39594581	0.4207908
A_51_P1720	2364.6 Detected	5552 Detected	2352.6 Detected	7531.7 Detected	Arhgdig	3.185189884	0.99492515	1.35657421	0.4237392

A_55_P2133	2.7 Not Detect	3 Not Detect	20.8 Detected	8.6 Not Detect	Olf672	3.185185185	7.7037037	2.86666667	6.9333333
A_55_P2173	2.7 Not Detect	3 Not Detect	154 Detected	8.6 Not Detect	Gm7616	3.185185185	57.037037	2.86666667	51.333333
A_52_P3990	2.7 Not Detect	3 Not Detect	62 Detected	8.6 Not Detect	Ankrd34b	3.185185185	22.962963	2.86666667	20.666667
A_55_P2284	2.7 Not Detect	3 Not Detect	17.4 Detected	8.6 Not Detect	A430085C19	3.185185185	6.44444444	2.86666667	5.8
A_55_P2190	2.7 Not Detect	3 Not Detect	59.7 Detected	8.6 Not Detect	4930579H2ORik	3.185185185	22.1111111	2.86666667	19.9
A_55_P2007	2.7 Not Detect	5.4 Not Detect	26.1 Detected	8.6 Not Detect	Sftpd	3.185185185	9.66666667	1.59259259	4.8333333
A_55_P2057	2.7 Not Detect	53.1 Detected	3.1 Not Detect	8.6 Not Detect	Cdyl2	3.185185185	1.14814815	0.16195857	0.0583804
A_52_P1561	2.7 Not Detect	67.6 Detected	3.1 Not Detect	8.6 Not Detect	Ednra	3.185185185	1.14814815	0.12721893	0.045858
A_55_P1961	2.7 Not Detect	88.7 Detected	3.1 Not Detect	8.6 Not Detect	Plagl1	3.185185185	1.14814815	0.09695603	0.0349493
A_55_P1962	2.7 Not Detect	157.6 Detected	3.1 Not Detect	8.6 Not Detect	Rarb	3.185185185	1.14814815	0.05456853	0.0196701
A_55_P1961	82.4 Detected	233 Detected	116.8 Detected	262.4 Detected	Cryl1	3.184466019	1.41747573	1.12618026	0.5012876
A_55_P2062	60.1 Detected	99.3 Detected	80.5 Detected	191.2 Detected	2900041M22Rik	3.181364393	1.33943428	1.92547835	0.8106747
A_65_P0371	179.2 Detected	261.7 Detected	510.4 Detected	570 Detected	Fuca2	3.180803571	2.84821429	2.17806649	1.9503248
A_51_P1712	39.3 Detected	296.1 Detected	20.4 Detected	125 Detected	Gli3	3.180661578	0.51908397	0.42215468	0.0688956
A_55_P2092	387.7 Detected	1062.3 Detected	909.6 Detected	1232.5 Detected	Anxa9	3.179004385	2.34614393	1.16021839	0.8562553
A_55_P2118	64.3 Detected	218.5 Detected	145.3 Detected	204.4 Detected	Zfp882	3.178849145	2.25972006	0.93546911	0.6649886
A_55_P2075	2.8 Not Detect	3.4 Not Detect	19.4 Detected	8.9 Not Detect	Ttl9	3.178571429	6.92857143	2.61764706	5.7058824
A_51_P4102	2.8 Not Detect	16.6 Detected	11.7 Not Detect	8.9 Not Detect	Hsd11b2	3.178571429	4.17857143	0.53614458	0.7048193
A_55_P2173	3.4 Not Detect	14.7 Detected	4.9 Not Detect	10.8 Not Detect	Plcb4	3.176470588	1.44117647	0.73469388	0.3333333
A_51_P5096	87.5 Detected	84.3 Detected	76 Detected	277.8 Detected	Snca	3.174857143	0.86857143	3.29537367	0.9015421
A_55_P2071	5.8 Not Detect	15.1 Detected	7.9 Not Detect	18.4 Not Detect	Adam19	3.172413793	1.36206897	1.21854305	0.5231788
A_51_P4699	103.8 Detected	2146.3 Detected	110.2 Detected	329.2 Detected	Srgap3	3.171483622	1.06165703	0.15338024	0.0513442
A_55_P2011	104.6 Detected	504.7 Detected	1580.7 Detected	331.5 Detected	Pdzk1ip1	3.169216061	15.1118547	0.65682584	3.1319596
A_55_P2221	20.8 Detected	27.2 Detected	19.4 Detected	65.9 Detected	AW493563	3.168269231	0.93269231	2.42279412	0.7132353
A_55_P2148	1467.9 Detected	2233.8 Detected	2723.6 Detected	4648.6 Detected	Tmem79	3.166836978	1.85543974	2.08102784	1.2192676
A_55_P2063	17 Detected	15.3 Not Detect	25.4 Detected	53.8 Detected	Gm4131	3.164705882	1.49411765	3.51633987	1.6601307
A_52_P4967	8.6 Not Detect	228.5 Detected	30.7 Detected	27.2 Not Detect	Papolg	3.162790698	3.56976744	0.1190372	0.1343545
A_51_P1067	14451.9 Detected	17469.4 Detected	24429.5 Detected	45688.4 Detected	Pparg	3.161411302	1.69040057	2.61533882	1.3984167
A_55_P2035	3.1 Not Detect	160.3 Detected	3.4 Not Detect	9.8 Not Detect	Fzd8	3.161290323	1.09677419	0.06113537	0.0212102
A_52_P4238	179.9 Detected	261.3 Detected	218.1 Detected	568.6 Detected	Mt1	3.160644803	1.21234019	2.17604286	0.8346728
A_51_P4801	1589.7 Detected	3167.1 Detected	2191.9 Detected	5022.3 Detected	Prelid2	3.159275335	1.37881361	1.58577247	0.6920842
A_55_P2036	5.7 Not Detect	85.5 Detected	3.3 Not Detect	18 Not Detect	Rai2	3.157894737	0.57894737	0.21052632	0.0385965
A_55_P2317	21 Detected	19.5 Detected	15.6 Not Detect	66.3 Detected	C030013C21Rik	3.157142857	0.74285714	3.4	0.8
A_51_P3229	351.5 Detected	279.3 Detected	815.3 Detected	1109.4 Detected	Hkdc1	3.156187767	2.31948791	3.97207304	2.9190834
A_55_P2091	33.5 Detected	37.6 Detected	38.3 Detected	105.7 Detected	C330011M18Rik	3.155223881	1.14328358	2.81117021	1.018617
A_51_P2011	15.5 Detected	14.3 Not Detect	9.6 Not Detect	48.9 Detected	Lipf	3.15483871	0.61935484	3.41958042	0.6713287
A_55_P2036	28.5 Detected	34.9 Detected	107.1 Detected	89.9 Detected	Dusp13	3.154385965	3.75789474	2.57593123	3.0687679
A_55_P2106	9852.3 Detected	16562.5 Detected	23064.9 Detected	31074.2 Detected	Trappc6a	3.154004649	2.34106757	1.87617811	1.3925977
A_55_P2029	2.6 Not Detect	18.8 Detected	7.3 Not Detect	8.2 Not Detect	Glt6d1	3.153846154	2.80769231	0.43617021	0.3882979
A_55_P2092	23806.5 Detected	25390.4 Detected	93688.7 Detected	75065.2 Detected	Anxa4	3.153138849	3.9354252	2.95644023	3.6899261

A_55_P2086	46.6 Detected	56.6 Detected	74.9 Detected	146.9 Detected	Sp140	3.152360515	1.60729614	2.59540636	1.3233216
A_55_P2131	541.4 Detected	705.3 Detected	501.4 Detected	1706.6 Detected	Vwa5a	3.152198005	0.92611747	2.41967957	0.7109032
A_55_P2202	2.7 Not Detect	3 Not Detect	25.7 Detected	8.5 Not Detect	4933439G12Rik	3.148148148	9.51851852	2.83333333	8.5666667
A_51_P1471	2.7 Not Detect	17.8 Detected	3.1 Not Detect	8.5 Not Detect	Ntn1	3.148148148	1.14814815	0.47752809	0.1741573
A_51_P2354	2.7 Not Detect	20.6 Detected	3.1 Not Detect	8.5 Not Detect	Olfm2	3.148148148	1.14814815	0.41262136	0.1504854
A_51_P4262	2.7 Not Detect	49.6 Detected	3.1 Not Detect	8.5 Not Detect	Mgp	3.148148148	1.14814815	0.17137097	0.0625
A_51_P1472	2.7 Not Detect	132.6 Detected	3.1 Not Detect	8.5 Not Detect	Slain1	3.148148148	1.14814815	0.06410256	0.0233786
A_55_P1994	132.4 Detected	151.2 Detected	201.5 Detected	416.8 Detected	Catsper4	3.148036254	1.52190332	2.75661376	1.332672
A_55_P1990	2.8 Not Detect	3.1 Not Detect	98.7 Detected	8.8 Not Detect	Gm20877	3.142857143	35.25	2.83870968	31.83871
A_55_P2032	342 Detected	1006.2 Detected	324.1 Detected	1074.2 Detected	Trim2	3.140935673	0.94766082	1.067581	0.322103
A_55_P2181	137.3 Detected	235.1 Detected	364.8 Detected	430.7 Detected	Gm4129	3.136926438	2.65695557	1.83198639	1.5516801
A_55_P2162	11.8 Not Detect	23.8 Detected	12 Not Detect	37 Not Detect	D630029K05Rik	3.13559322	1.01694915	1.55462185	0.5042017
A_66_P1138	4487.9 Detected	2536.9 Detected	11663.1 Detected	14071.1 Detected	Smim6	3.135341697	2.59878785	5.54657259	4.5973826
A_55_P2096	28.1 Detected	85.3 Detected	53.4 Detected	88.1 Detected	Nrn1l	3.135231317	1.90035587	1.03282532	0.6260258
A_55_P2099	3 Not Detect	32.6 Detected	20.1 Detected	9.4 Not Detect	Lrp2	3.133333333	6.7	0.28834356	0.6165644
A_51_P2043	66.8 Detected	152.2 Detected	282.2 Detected	209.1 Detected	Krt33a	3.130239521	4.2245509	1.3738502	1.8541393
A_55_P2185	250.3 Detected	136.8 Detected	561.6 Detected	781.7 Detected	Cyp3a13	3.123052337	2.24370755	5.71418129	4.1052632
A_51_P4154	2343.9 Detected	2788.8 Detected	2980.3 Detected	7317.3 Detected	Dok4	3.121848202	1.27151329	2.6238167	1.0686675
A_55_P2143	3.3 Not Detect	5.6 Not Detect	27.1 Detected	10.3 Not Detect	Olf884	3.121212121	8.21212121	1.83928571	4.8392857
A_51_P3299	18 Detected	28.8 Detected	5.5 Not Detect	56.1 Detected	Fam13a	3.116666667	0.30555556	1.94791667	0.1909722
A_55_P2244	2.7 Not Detect	2.9 Not Detect	35.7 Detected	8.4 Not Detect	4930404O17Rik	3.111111111	13.2222222	2.89655172	12.310345
A_66_P1076	2.7 Not Detect	3 Not Detect	38.6 Detected	8.4 Not Detect	Gm10714	3.111111111	14.2962963	2.8	12.866667
A_52_P6176	2.7 Not Detect	4.9 Not Detect	17.1 Detected	8.4 Not Detect	Klf12	3.111111111	6.33333333	1.71428571	3.4897959
A_55_P2131	2.7 Not Detect	74.8 Detected	3 Not Detect	8.4 Not Detect	Prrx1	3.111111111	1.11111111	0.11229947	0.040107
A_55_P2288	10.9 Not Detect	23.8 Detected	25.3 Detected	33.9 Not Detect	E130118H10Rik	3.110091743	2.32110092	1.42436975	1.0630252
A_55_P1972	18.7 Detected	12.8 Not Detect	15.9 Not Detect	58.1 Detected	Mycl	3.106951872	0.85026738	4.5390625	1.2421875
A_55_P2071	118.6 Detected	274.3 Detected	452.4 Detected	368.4 Detected	Prss8	3.10623946	3.81450253	1.34305505	1.6492891
A_51_P1898	46.4 Detected	69 Detected	82.4 Detected	143.9 Detected	Olf1134	3.101293103	1.77586207	2.08550725	1.1942029
A_55_P2019	77.1 Detected	364.6 Detected	181.6 Detected	239.1 Detected	AA414768	3.101167315	2.35538262	0.65578716	0.4980801
A_51_P4919	5922 Detected	10063.2 Detected	9118.9 Detected	18360.5 Detected	Ripk3	3.100388382	1.53983452	1.82451904	0.906163
A_55_P2014	8070.9 Detected	10675.7 Detected	21560.6 Detected	25011.8 Detected	Sema4a	3.099010024	2.67139972	2.34287213	2.0195959
A_55_P1983	3.1 Not Detect	23.7 Detected	3.5 Not Detect	9.6 Not Detect	Rgag4	3.096774194	1.12903226	0.40506329	0.1476793
A_52_P1869	3.1 Not Detect	27.2 Detected	3.4 Not Detect	9.6 Not Detect	Cmpk2	3.096774194	1.09677419	0.35294118	0.125
A_52_P2629	5.3 Not Detect	34.8 Detected	11.3 Not Detect	16.4 Not Detect	2310081J21Rik	3.094339623	2.13207547	0.47126437	0.3247126
A_55_P2057	320.7 Detected	980.6 Detected	1445.8 Detected	992.1 Detected	Slmo1	3.09354537	4.50826317	1.01172751	1.4744034
A_51_P3615	132.7 Detected	350.4 Detected	121.7 Detected	409.5 Detected	Rai1	3.085908063	0.91710625	1.16866438	0.3473174
A_55_P2050	21.3 Detected	21.8 Detected	20.1 Detected	65.7 Detected	Olf213	3.084507042	0.94366197	3.01376147	0.9220183
A_55_P2014	20.4 Detected	26.7 Detected	22.3 Detected	62.9 Detected	Defb25	3.083333333	1.09313725	2.35580524	0.835206
A_51_P3800	17 Detected	10.4 Not Detect	66.5 Detected	52.4 Detected	Fcgbp	3.082352941	3.91176471	5.03846154	6.3942308
A_51_P4684	271.4 Detected	319.9 Detected	607 Detected	836 Detected	Gdpd5	3.080324245	2.23655122	2.61331666	1.897468

A_55_P1979	190.9	Detected	183.1	Detected	157.3	Detected	587.7	Compromis	Celf6	3.07857517	0.82399162	3.20972146	0.8590934
A_55_P1995	248.7	Detected	266.3	Detected	442	Detected	765.5	Detected	Casz1	3.078005629	1.77724166	2.87457754	1.6597822
A_55_P2033	2511.7	Detected	3187.5	Detected	2645.5	Detected	7731	Detected	Ltbp4	3.077994983	1.05327069	2.42541176	0.8299608
A_55_P2032	2.7	Not Detect	2.9	Not Detect	29.7	Detected	8.3	Not Detect	Olfrr699	3.074074074	11	2.86206897	10.241379
A_55_P2084	65	Detected	76.1	Detected	98.3	Detected	199.4	Detected	C2cd2l	3.067692308	1.51230769	2.62023653	1.2917214
A_55_P1984	93.2	Detected	589.2	Detected	132.5	Detected	285.9	Detected	Ptpr	3.067596567	1.42167382	0.48523422	0.2248812
A_51_P3838	1719.3	Detected	2260.6	Detected	2951.8	Detected	5268	Detected	Prp2	3.06403769	1.71686151	2.33035477	1.3057595
A_52_P5209	39	Detected	35.3	Detected	31.6	Detected	119.4	Detected	Taf7	3.061538462	0.81025641	3.38243626	0.8951841
A_51_P2846	6.7	Not Detect	6.6	Not Detect	253.6	Detected	20.5	Not Detect	Plcb1	3.059701493	37.8507463	3.10606061	38.424242
A_55_P2102	68.5	Detected	96.2	Detected	128.9	Detected	209.5	Detected	Fuca2	3.058394161	1.88175182	2.17775468	1.3399168
A_51_P4756	333.8	Detected	420.3	Detected	829.5	Detected	1020	Detected	Fahd2a	3.055721989	2.48502097	2.42683797	1.9735903
A_55_P2005	141.9	Detected	268.8	Detected	177.9	Detected	433.3	Detected	3110057O12Rik	3.053558844	1.25369979	1.61197917	0.6618304
A_55_P2147	7.6	Not Detect	3.2	Not Detect	17.8	Detected	23.2	Not Detect	C2cd4a	3.052631579	2.34210526	7.25	5.5625
A_66_P1254	25.1	Detected	17.2	Not Detect	8.4	Not Detect	76.6	Detected	Olfrr285	3.051792829	0.33466135	4.45348837	0.4883721
A_55_P1979	153.2	Detected	647.8	Detected	217	Detected	467.2	Detected	Cited1	3.049608355	1.41644909	0.72121025	0.3349799
A_55_P2019	33.7	Detected	29.1	Detected	48	Detected	102.7	Detected	Ncoa7	3.047477745	1.42433234	3.52920962	1.6494845
A_55_P2079	21.6	Detected	40.6	Detected	25.6	Detected	65.8	Detected	Aars	3.046296296	1.18518519	1.62068966	0.6305419
A_51_P2174	13	Detected	30.3	Detected	12.9	Not Detect	39.6	Not Detect	Slc2a4	3.046153846	0.99230769	1.30693069	0.4257426
A_55_P2113	9.1	Not Detect	17.5	Detected	18.1	Detected	27.7	Not Detect	Rem1	3.043956044	1.98901099	1.58285714	1.0342857
A_55_P2033	27.4	Detected	39.9	Detected	14.2	Not Detect	83.4	Detected	Speer5-ps1	3.04379562	0.51824818	2.09022556	0.3558897
A_52_P3856	273.1	Detected	778.4	Detected	184.2	Detected	831	Detected	Ckb	3.04284145	0.67447821	1.06757451	0.2366393
A_51_P1517	445.2	Detected	1514.2	Detected	704.5	Detected	1353.4	Detected	Pkp1	3.039982031	1.58243486	0.89380531	0.4652622
A_52_P6385	687.6	Detected	519.1	Detected	1454.3	Detected	2090.2	Detected	2310061J03Rik	3.039848749	2.11503781	4.02658447	2.8015797
A_55_P2231	7.8	Not Detect	21.5	Detected	32.9	Detected	23.7	Not Detect	A030010E16Rik	3.038461538	4.21794872	1.10232558	1.5302326
A_51_P4089	65.4	Detected	181.8	Detected	32.8	Detected	198.7	Detected	L3hypdh	3.0382263	0.50152905	1.0929593	0.180418
A_55_P2017	11.3	Not Detect	32.6	Detected	3.6	Not Detect	34.3	Not Detect	Pde8b	3.03539823	0.31858407	1.05214724	0.1104294
A_55_P1994	245.8	Detected	251.6	Detected	248.1	Detected	746.1	Detected	Ifnl3	3.03539463	1.0093572	2.9654213	0.986089
A_55_P2002	65.2	Detected	71.1	Detected	27.3	Detected	197.9	Detected	Usp17lc	3.035276074	0.41871166	2.78340366	0.3839662
A_55_P2050	42.6	Detected	78.9	Detected	61.7	Detected	129.3	Detected	Pgbd1	3.035211268	1.44835681	1.63878327	0.7820025
A_51_P3923	17.1	Detected	118.1	Detected	25.6	Detected	51.9	Detected	Ppfia2	3.035087719	1.49707602	0.43945809	0.2167655
A_55_P2161	223	Detected	772.5	Detected	474.5	Detected	676.8	Detected	Slc38a1	3.034977578	2.12780269	0.8761165	0.6142395
A_55_P1985	295.2	Detected	600.6	Detected	688.3	Detected	895.7	Detected	Cxx1a	3.034214092	2.33163957	1.49134199	1.1460206
A_55_P2034	51.4	Detected	123.1	Detected	80.1	Detected	155.9	Detected	Eif4g3	3.03307393	1.55836576	1.26645004	0.6506905
A_55_P2089	118.9	Detected	389.8	Detected	355.6	Detected	360.5	Detected	Atg4c	3.03195963	2.99074853	0.92483325	0.9122627
A_52_P1213	3.2	Not Detect	3.4	Not Detect	25.6	Detected	9.7	Not Detect	Nrxn1	3.03125	8	2.85294118	7.5294118
A_66_P1193	156	Detected	162.1	Detected	383.3	Detected	472.4	Detected	2310040G24Rik	3.028205128	2.45705128	2.91425046	2.3645898
A_55_P1967	2336.2	Detected	6464.9	Detected	5977.3	Detected	7069.6	Detected	Lamb3	3.026110778	2.55855663	1.09353586	0.9245773
A_55_P1954	93.2	Detected	99.7	Detected	85.7	Detected	281.8	Detected	Dock9	3.02360515	0.9195279	2.82647944	0.8595787
A_55_P2021	176	Detected	210.5	Detected	326.7	Detected	532.1	Detected	9330133O14Rik	3.023295455	1.85625	2.52779097	1.552019
A_55_P2071	88.5	Detected	195.2	Detected	163.3	Detected	267.4	Detected	Trappc11	3.021468927	1.84519774	1.36987705	0.8365779

A_55_P2028	465.8	Detected	286.8	Detected	822.3	Detected	1407.4	Detected	Dppa5a	3.021468441	1.76534994	4.90725244	2.8671548
A_55_P1998	217	Detected	158.2	Detected	383.6	Detected	655.5	Detected	Tle4	3.020737327	1.76774194	4.14348925	2.4247788
A_51_P5161	6657.8	Detected	14052.6	Detected	11690.3	Detected	20110.9	Detected	Hist1h1c	3.020652468	1.75588032	1.43111595	0.8318959
A_55_P2124	38.8	Detected	162.3	Detected	78.8	Detected	117.1	Detected	Ak4	3.018041237	2.03092784	0.72150339	0.4855206
A_55_P1960	589.7	Detected	153	Detected	474.5	Detected	1779.5	Detected	Gdf15	3.017636086	0.80464643	11.630719	3.1013072
A_55_P2244	190.3	Detected	159.6	Detected	242.5	Detected	573.8	Detected	6720422M22Rik	3.015239096	1.27430373	3.5952381	1.5194236
A_51_P3835	22.4	Detected	54.1	Detected	18.9	Detected	67.5	Detected	Mpzl3	3.013392857	0.84375	1.24768946	0.349353
A_55_P2058	37	Detected	42.7	Detected	171.1	Detected	111.2	Detected	Ggt6	3.005405405	4.62432432	2.60421546	4.0070258
A_51_P1694	26.5	Detected	60.7	Detected	62	Detected	79.6	Detected	Ccdc89	3.003773585	2.33962264	1.31136738	1.0214168
A_52_P6512	851.4	Detected	1164.1	Detected	1365.5	Detected	2557.1	Detected	Zdhc2	3.003406155	1.60382899	2.19663259	1.1730092
A_55_P2026	3.3	Not Detect	49	Detected	3.6	Not Detect	9.9	Not Detect	Erc2	3	1.09090909	0.20204082	0.0734694
A_55_P2330	31.8	Detected	44.3	Detected	21.7	Detected	95.4	Detected	4930535116Rik	3	0.68238994	2.15349887	0.489842
A_55_P2050	20	Detected	39.4	Detected	26.1	Detected	60	Detected	Cct6b	3	1.305	1.52284264	0.6624365
A_51_P3823	35.2	Detected	34.3	Detected	56.9	Detected	105.5	Detected	Nphp3	2.997159091	1.61647727	3.07580175	1.6588921
A_55_P2148	101.2	Detected	142.2	Detected	472.4	Detected	303.3	Detected	Gm15401	2.997035573	4.66798419	2.13291139	3.3220816
A_55_P2052	55.5	Detected	139.2	Detected	70.5	Detected	166.3	Detected	BC049762	2.996396396	1.27027027	1.19468391	0.5064655
A_52_P4884	1617.1	Detected	2489.1	Detected	3902	Detected	4840	Detected	Plek2	2.993012182	2.41296147	1.94447792	1.5676349
A_55_P2151	14.3	Detected	24.1	Detected	24.1	Detected	42.8	Not Detect	Tmem116	2.993006993	1.68531469	1.77593361	1
A_52_P2238	80.9	Detected	114.1	Detected	60.4	Detected	241.8	Detected	Dhx58	2.988875155	0.74660074	2.11919369	0.5293602
A_51_P1763	3719	Detected	9748.1	Detected	7245.9	Detected	11114	Detected	Ndrp2	2.988437752	1.94834633	1.14011961	0.7433141
A_55_P1952	7.1	Not Detect	17.2	Detected	12.4	Not Detect	21.2	Not Detect	Fkbp6	2.985915493	1.74647887	1.23255814	0.7209302
A_52_P2367	1308	Detected	1156.1	Detected	8396.3	Detected	3905.5	Detected	Ripply3	2.985856269	6.4191896	3.37816798	7.262607
A_55_P2169	2642.8	Detected	5029.8	Detected	5535.6	Detected	7887.4	Detected	D8Erdt82e	2.984486151	2.09459664	1.56813392	1.1005607
A_52_P4453	18897.3	Detected	60488.9	Detected	67709.6	Detected	56381	Detected	Krt20	2.983547914	3.58303038	0.93208837	1.1193723
A_52_P8881	169.9	Detected	445.6	Detected	252.8	Detected	506.8	Detected	Clybl	2.982931136	1.48793408	1.13734291	0.567325
A_55_P2033	93.8	Detected	95.8	Detected	112.6	Detected	279.7	Detected	AB041803	2.981876333	1.20042644	2.91962422	1.1753653
A_55_P2034	19.7	Detected	76.2	Detected	9.2	Not Detect	58.7	Detected	Abcc12	2.979695431	0.46700508	0.77034121	0.1207349
A_52_P6047	31.4	Detected	39.5	Detected	44.7	Detected	93.5	Detected	Fbxl2	2.977707006	1.42356688	2.36708861	1.1316456
A_51_P4218	71.7	Detected	50.6	Detected	43.3	Detected	213.5	Detected	Irf7	2.977684798	0.60390516	4.21936759	0.8557312
A_52_P6870	162	Detected	183.8	Detected	493.9	Detected	482.3	Detected	Frm4b	2.977160494	3.04876543	2.62404788	2.68716
A_55_P2076	166.2	Detected	142.5	Detected	160.7	Detected	494.8	Detected	Bpifb1	2.977135981	0.96690734	3.4722807	1.1277193
A_52_P6779	2394.3	Detected	4141.4	Detected	4834.1	Detected	7123.3	Detected	Pex11g	2.975107547	2.01900347	1.72002221	1.1672623
A_52_P2043	82	Detected	427.1	Detected	445.8	Detected	243.6	Detected	D630039A03Rik	2.970731707	5.43658537	0.57035823	1.0437837
A_51_P1370	17	Detected	6.9	Not Detect	3.5	Not Detect	50.5	Detected	P1ce1	2.970588235	0.20588235	7.31884058	0.5072464
A_51_P3869	30	Detected	76.9	Detected	31.6	Detected	89.1	Detected	Tnni3	2.97	1.05333333	1.15864759	0.4109233
A_51_P3135	132.6	Detected	262.6	Detected	171.7	Detected	393.8	Detected	Fabp2	2.969834087	1.29487179	1.49961919	0.6538462
A_55_P1998	27.2	Detected	67.2	Detected	304.6	Detected	80.7	Detected	Gm2030	2.966911765	11.1985294	1.20089286	4.5327381
A_55_P2008	29.6	Detected	15.4	Not Detect	59.6	Detected	87.8	Detected	Slc2a9	2.966216216	2.01351351	5.7012987	3.8701299
A_51_P3213	11.5	Not Detect	3.6	Not Detect	48.2	Detected	34.1	Not Detect	Sult1a1	2.965217391	4.19130435	9.47222222	13.388889
A_55_P2105	2.8	Not Detect	24.3	Detected	3	Not Detect	8.3	Not Detect	Lhx4	2.964285714	1.07142857	0.34156379	0.1234568

A_55_P2200	49.2 Detected	81.9 Detected	45.1 Detected	145.7 Detected	Dleu2	2.961382114	0.91666667	1.77899878	0.5506716
A_55_P1965	145.1 Detected	278.9 Detected	496.3 Detected	429.5 Detected	1700019G17Rik	2.960027567	3.42039972	1.53997849	1.7794909
A_55_P1996	506.4 Detected	1028 Detected	1028.2 Detected	1498.4 Detected	Arhgap42	2.95892575	2.03041074	1.45758755	1.0001946
A_55_P2341	43.8 Detected	52.1 Detected	57.1 Detected	129.6 Detected	Fcor	2.95890411	1.30365297	2.48752399	1.0959693
A_51_P1082	4504.2 Detected	9718.8 Detected	8759.7 Detected	13322.1 Detected	Gpsm2	2.957706141	1.94478487	1.37075565	0.901315
A_52_P3436	80.2 Detected	61 Detected	53.6 Detected	237.1 Detected	Lcn10	2.956359102	0.66832918	3.88688525	0.8786885
A_66_P1146	42952.7 Detected	90419.7 Detected	64957.9 Detected	126785.2 Detected	S100a16	2.951739937	1.51231238	1.40218559	0.7184043
A_51_P1146	109.4 Detected	122.6 Detected	272.5 Detected	322.8 Detected	Amz1	2.950639854	2.49085923	2.63295269	2.2226754
A_65_P1142	767.7 Detected	1386.1 Detected	1107 Detected	2264.6 Detected	Bmp2k	2.949850202	1.44196952	1.63379266	0.7986437
A_55_P2177	91 Detected	1028.6 Detected	85.8 Detected	268.3 Detected	Cldn23	2.948351648	0.94285714	0.26083998	0.0834143
A_52_P6008	316.7 Detected	447.9 Detected	564.7 Detected	933.2 Detected	Prkcz	2.946637196	1.78307547	2.08350078	1.2607725
A_55_P1955	7438.8 Detected	11529.2 Detected	8150.8 Detected	21910.1 Detected	Myo1c	2.945380975	1.09571436	1.90040072	0.7069701
A_51_P1558	3.6 Not Detect	203.2 Detected	3.7 Not Detect	10.6 Not Detect	Igsf10	2.944444444	1.02777778	0.05216535	0.0182087
A_55_P1974	37.3 Detected	61.9 Detected	30.7 Detected	109.8 Detected	C030039L03Rik	2.943699732	0.8230563	1.77382876	0.4959612
A_55_P2071	32679.3 Detected	46117.9 Detected	54937.9 Detected	96169.9 Detected	Wdr92	2.942838433	1.6811223	2.08530527	1.191249
A_55_P2175	74.9 Detected	287.7 Detected	137.6 Detected	220.2 Detected	M1ap	2.939919893	1.83711615	0.7653806	0.478276
A_66_P1173	12.7 Not Detect	18 Detected	14.9 Not Detect	37.3 Not Detect	E130018O15Rik	2.937007874	1.17322835	2.07222222	0.8277778
A_55_P2177	69.1 Detected	79.3 Detected	84.4 Detected	202.9 Detected	Mast1	2.936324168	1.22141823	2.55863808	1.0643127
A_55_P2070	5087.8 Detected	6937.8 Detected	8678.8 Detected	14930.3 Detected	Krt10	2.934529659	1.70580605	2.15202225	1.2509441
A_51_P1788	16.4 Detected	2.9 Not Detect	19.2 Detected	48.1 Detected	Mbl2	2.932926829	1.17073171	16.5862069	6.6206897
A_51_P4168	1281.2 Detected	1452.5 Detected	5054.5 Detected	3757.5 Detected	Tspan15	2.932797377	3.94512957	2.5869191	3.4798623
A_55_P2168	11.9 Not Detect	71.1 Detected	5 Not Detect	34.9 Not Detect	Aicda	2.932773109	0.42016807	0.49085795	0.0703235
A_55_P1960	24.9 Detected	22.5 Detected	21.4 Detected	72.9 Detected	Cabp1	2.927710843	0.85943775	3.24	0.9511111
A_55_P2046	917.9 Detected	1590.3 Detected	2412.6 Detected	2685.6 Detected	Tmem253	2.925808912	2.62839089	1.68873797	1.5170723
A_52_P4526	1562 Detected	4143.9 Detected	2254.5 Detected	4569.2 Detected	Atf3	2.925224072	1.44334187	1.10263279	0.5440527
A_52_P5785	1236.5 Detected	916 Detected	2528.2 Detected	3616.7 Detected	Igsf11	2.924949454	2.04464214	3.94836245	2.7600437
A_51_P3850	12.3 Not Detect	56.9 Detected	43.4 Detected	35.9 Not Detect	Tnf	2.918699187	3.52845528	0.63093146	0.7627417
A_55_P2186	218.3 Detected	412.2 Detected	363.8 Detected	637 Detected	1700009P17Rik	2.918002749	1.66651397	1.54536633	0.8825813
A_55_P2099	8.4 Not Detect	29.2 Detected	7.3 Not Detect	24.5 Not Detect	Fgd4	2.916666667	0.86904762	0.8390411	0.25
A_52_P2522	3568.7 Detected	7271.9 Detected	3901.7 Detected	10404.6 Detected	Mapk12	2.915515454	1.09331129	1.43079525	0.5365448
A_55_P2059	648.6 Detected	5219.7 Detected	1647 Detected	1890.6 Detected	Prom1	2.914893617	2.53931545	0.36220472	0.3155354
A_55_P2044	25.2 Detected	38.5 Detected	25.5 Detected	73.4 Detected	9130019O22Rik	2.912698413	1.01190476	1.90649351	0.6623377
A_55_P2269	192.1 Detected	186.7 Detected	175.9 Detected	559.4 Detected	Cabp1	2.912024987	0.91566892	2.99625067	0.9421532
A_55_P2010	2068.9 Detected	3571.9 Detected	2087.1 Detected	6024.4 Detected	Fbxo17	2.911885543	1.00879695	1.68660937	0.5843109
A_55_P2115	8.9 Not Detect	21 Detected	19 Detected	25.9 Not Detect	Prm3	2.91011236	2.13483146	1.23333333	0.9047619
A_66_P1057	1751.1 Detected	2170.4 Detected	2532.3 Detected	5095.4 Detected	Prkca	2.909828108	1.44611958	2.34767785	1.1667435
A_55_P1984	2062.3 Detected	3756.4 Detected	7694.7 Detected	5998.5 Detected	Abhd6	2.908645687	3.73112544	1.59687467	2.048424
A_52_P2704	16.8 Detected	28.9 Detected	612.6 Detected	48.8 Not Detect	Fam25c	2.904761905	36.4642857	1.68858131	21.197232
A_55_P2110	932.8 Detected	971.2 Detected	1811.4 Detected	2709.4 Detected	Tmem254a	2.904588336	1.94189537	2.78974465	1.8651153
A_55_P2258	55.4 Detected	45.8 Detected	86.4 Detected	160.8 Detected	BC037704	2.902527076	1.55956679	3.51091703	1.8864629

A_52_P3789	443 Detected	345.3 Detected	457.6 Detected	1285.2 Detected	AU040320	2.901128668	1.03295711	3.72198089	1.3252244
A_52_P2635	11 Not Detect	24.6 Detected	7.8 Not Detect	31.9 Not Detect	Arhgef7	2.9	0.70909091	1.29674797	0.3170732
A_55_P2082	5 Not Detect	18.9 Detected	13.4 Not Detect	14.5 Not Detect	Vmn1r234	2.9	2.68	0.76719577	0.7089947
A_55_P2016	400.6 Detected	228.4 Detected	1174.9 Detected	1161.5 Detected	Ick	2.899400899	2.93285072	5.08537653	5.1440455
A_55_P2017	13.6 Not Detect	18.6 Detected	32.3 Detected	39.4 Not Detect	Lpar5	2.897058824	2.375	2.11827957	1.7365591
A_51_P1371	27.9 Detected	15 Not Detect	16.5 Not Detect	80.8 Detected	Fam209	2.896057348	0.59139785	5.38666667	1.1
A_65_P1816	1395 Detected	1517.1 Detected	2020.5 Detected	4037.6 Detected	Hnrnpul2	2.894336918	1.4483871	2.66139345	1.3318173
A_55_P2083	90.9 Detected	207.1 Detected	134 Detected	262.9 Detected	Tmem159	2.892189219	1.47414741	1.26943506	0.6470304
A_66_P1284	39.9 Detected	68.3 Detected	74.5 Detected	115.3 Detected	Rimbp3	2.889724311	1.86716792	1.68814056	1.090776
A_55_P1972	3.6 Not Detect	32.2 Detected	3.7 Not Detect	10.4 Not Detect	Themis	2.888888889	1.02777778	0.32298137	0.1149068
A_55_P2174	19.4 Detected	17.4 Not Detect	23.3 Detected	56 Detected	Slco5a1	2.886597938	1.20103093	3.2183908	1.3390805
A_52_P3571	20.9 Detected	15.7 Not Detect	42 Detected	60.3 Detected	Atp8b3	2.885167464	2.00956938	3.84076433	2.6751592
A_55_P2021	200.2 Detected	276.9 Detected	289.4 Detected	577.6 Detected	Tigd3	2.885114885	1.44555445	2.08595161	1.0451427
A_66_P1240	2936 Detected	3853.4 Detected	9362.4 Detected	8434.1 Detected	Spint2	2.872649864	3.18882834	2.18874241	2.4296465
A_55_P2011	30.6 Detected	64.3 Detected	8.2 Not Detect	87.9 Detected	Ppargc1a	2.87254902	0.26797386	1.36702955	0.1275272
A_52_P3610	3041.7 Detected	1604.2 Detected	6322.8 Detected	8734.3 Detected	Arhgef16	2.871519216	2.07870599	5.44464531	3.9414038
A_55_P2087	3.8 Not Detect	20.9 Detected	9.8 Not Detect	10.9 Not Detect	Gm10498	2.868421053	2.57894737	0.5215311	0.4688995
A_51_P4315	6.8 Not Detect	22.5 Detected	5.1 Not Detect	19.5 Not Detect	Prss56	2.867647059	0.75	0.86666667	0.2266667
A_55_P1996	175.8 Detected	177.1 Detected	163.5 Detected	504.1 Detected	Ifna14	2.867463026	0.93003413	2.84641446	0.9232072
A_55_P2010	126.3 Detected	126.5 Detected	328.9 Detected	361.9 Detected	2810416G20Rik	2.865399842	2.60411718	2.86086957	2.6
A_55_P1960	2690.3 Detected	2600.9 Detected	5796.7 Detected	7707.9 Detected	Bcat2	2.86507081	2.15466677	2.96355108	2.2287285
A_52_P5509	1020.2 Detected	1415 Detected	2467.4 Detected	2920.9 Detected	H1f0	2.863066065	2.41854538	2.06424028	1.7437456
A_51_P3225	972.4 Detected	1286 Detected	1461.2 Detected	2784 Detected	Bbx	2.863019334	1.5026738	2.16485226	1.1362364
A_52_P5911	14.5 Detected	9.8 Not Detect	4.3 Not Detect	41.5 Not Detect	Pld4	2.862068966	0.29655172	4.23469388	0.4387755
A_55_P1997	9189.3 Detected	29254.2 Detected	28310.2 Detected	26255.5 Detected	Acp5	2.857181722	3.08077873	0.89749506	0.9677311
A_51_P4248	1645.5 Detected	4076.8 Detected	1694.6 Detected	4697.1 Detected	Fam213b	2.854512306	1.02983895	1.15215365	0.4156692
A_52_P5180	199.5 Detected	371.2 Detected	491.4 Detected	569.2 Detected	Nudt17	2.853132832	2.46315789	1.53340517	1.3238147
A_51_P2216	29.1 Detected	34.7 Detected	41 Detected	83 Detected	Adck3	2.852233677	1.40893471	2.39193084	1.1815562
A_51_P5038	236.4 Detected	260.6 Detected	368.2 Detected	673.9 Detected	Pycr1	2.850676819	1.55752961	2.58595549	1.4128933
A_51_P1852	99.7 Detected	162.3 Detected	218.6 Detected	284.2 Detected	4930581F22Rik	2.850551655	2.19257773	1.75107825	1.3468885
A_55_P1981	2078.3 Detected	3408.2 Detected	2804 Detected	5921.4 Detected	Klhl5	2.84915556	1.34917962	1.73739804	0.8227217
A_55_P2104	299.7 Detected	830.6 Detected	528.3 Detected	853.7 Detected	6330416G13Rik	2.848515182	1.76276276	1.02781122	0.6360462
A_65_P1721	635.9 Detected	294.6 Detected	89.8 Detected	1810 Detected	Mndal	2.84635949	0.14121717	6.14392396	0.3048201
A_55_P1957	20509.8 Detected	26471.2 Detected	30089.3 Detected	58353.9 Detected	3930401B19Rik	2.845171577	1.4670694	2.20442972	1.1366806
A_51_P4938	1339.1 Detected	1170.9 Detected	3412.5 Detected	3809.5 Detected	Gpt2	2.844821149	2.54835337	3.25348023	2.9144248
A_55_P2102	185.5 Detected	251.9 Detected	444.9 Detected	527.2 Detected	Fuca2	2.842048518	2.39838275	2.09289401	1.7661771
A_55_P2275	128.5 Detected	273.2 Detected	173.8 Detected	364.8 Detected	C430042M11Rik	2.838910506	1.35252918	1.33528551	0.636164
A_66_P1132	1687.1 Detected	2331.3 Detected	767.1 Detected	4788 Detected	Mme	2.838006046	0.45468556	2.05378973	0.3290439
A_55_P2179	15612.2 Detected	16036.9 Detected	43065.3 Detected	44284.4 Detected	Lgals3bp	2.836525282	2.75843891	2.76140651	2.6853881
A_55_P2443	2573.6 Detected	4034.2 Detected	4624 Detected	7297.6 Detected	Ube4a	2.835561082	1.796705	1.80893362	1.1462

A_55_P2088	122.8	Detected	307.3	Detected	156.6	Detected	348.2	Detected	Sgsm1	2.835504886	1.2752443	1.1330947	0.5095997
A_65_P0141	17.6	Detected	27.1	Detected	216.6	Detected	49.9	Detected	Wnk2	2.835227273	12.3068182	1.84132841	7.9926199
A_55_P2072	13.8	Not Detect	26.6	Detected	40.6	Detected	39.1	Not Detect	AW011738	2.833333333	2.94202899	1.46992481	1.5263158
A_55_P2028	29.9	Detected	36.7	Detected	21	Detected	84.7	Detected	Htr6	2.83277592	0.70234114	2.30790191	0.5722071
A_55_P2013	85.5	Detected	532.2	Detected	161.6	Detected	242.1	Detected	Tcam1	2.831578947	1.89005848	0.45490417	0.3036452
A_51_P1610	12134.1	Detected	37933.1	Detected	24047	Detected	34347.8	Detected	Ppic	2.830683775	1.98177038	0.9054836	0.6339318
A_55_P2058	896.3	Detected	2879.2	Detected	2408.5	Detected	2536.7	Detected	Ccbl2	2.830190784	2.68715832	0.88104335	0.8365171
A_55_P2029	3682.4	Detected	4735.5	Detected	8063.1	Detected	10416.7	Detected	2610318N02Rik	2.828780143	2.18963176	2.19970436	1.7026924
A_52_P3247	32.1	Detected	32.2	Detected	36.8	Detected	90.8	Detected	Nupr1l	2.828660436	1.14641745	2.81987578	1.1428571
A_51_P5024	5664.7	Detected	12199.1	Detected	11013.2	Detected	16017.6	Detected	H2-K2	2.827616643	1.94418063	1.31301489	0.9027879
A_55_P2145	407.5	Detected	741.2	Detected	510.7	Detected	1151.3	Detected	D1Erd448e	2.825276074	1.25325153	1.55329196	0.6890178
A_55_P2032	5651.4	Detected	14811.5	Detected	5151.8	Detected	15965.8	Detected	Trim2	2.825105284	0.91159713	1.07793269	0.3478243
A_55_P2004	22	Detected	32.4	Detected	29.2	Detected	62.1	Detected	3110040M04Rik	2.822727273	1.32727273	1.91666667	0.9012346
A_52_P1280	79.4	Detected	136.4	Detected	147.8	Detected	224.1	Detected	3830406C13Rik	2.822418136	1.86146096	1.64296188	1.0835777
A_52_P227	14	Not Detect	54.8	Detected	33.5	Detected	39.5	Not Detect	4930520O04Rik	2.821428571	2.39285714	0.72080292	0.6113139
A_55_P2090	23.7	Detected	38	Detected	30.8	Detected	66.8	Detected	Macrod2	2.818565401	1.29957806	1.75789474	0.8105263
A_55_P2062	22.4	Detected	42.3	Detected	12.3	Not Detect	63.1	Detected	Apold1	2.816964286	0.54910714	1.49172577	0.2907801
A_52_P4329	3533.9	Detected	3659.7	Detected	6661.1	Detected	9943.6	Detected	Rab3d	2.813775149	1.88491468	2.71705331	1.8201219
A_51_P1380	272.3	Detected	271.3	Detected	615.7	Detected	765.9	Detected	Rnf13	2.812706574	2.26110907	2.82307409	2.2694434
A_55_P2088	4769.1	Detected	6714.6	Detected	3973.5	Detected	13405.4	Detected	Tcn2	2.81088675	0.83317607	1.99645549	0.5917702
A_55_P2029	766.6	Detected	1019.4	Detected	678.8	Detected	2154.8	Detected	Pde4a	2.810853118	0.8854683	2.11379243	0.6658819
A_55_P2158	3.7	Not Detect	3.7	Not Detect	157.6	Detected	10.4	Not Detect	Htr2c	2.810810811	42.5945946	2.81081081	42.594595
A_55_P2060	17.3	Detected	23	Detected	38.9	Detected	48.6	Not Detect	3110062M04Rik	2.809248555	2.24855491	2.11304348	1.6913043
A_51_P1246	890.5	Detected	1457	Detected	1012	Detected	2501.4	Detected	Nat2	2.808983717	1.1364402	1.71681537	0.6945779
A_51_P4035	7023.6	Detected	8537	Detected	7800.1	Detected	19728.3	Detected	Ltbp4	2.808858705	1.11055584	2.31091718	0.9136816
A_55_P2062	26.9	Detected	46.7	Detected	36.3	Detected	75.5	Detected	BC030499	2.80669145	1.34944238	1.61670236	0.7773019
A_51_P1387	4296	Detected	5252.6	Detected	7437.2	Detected	12045.7	Detected	Abcd4	2.803933892	1.73119181	2.29328333	1.4159083
A_52_P5251	85	Detected	99	Detected	40.4	Detected	238.2	Detected	Acot2	2.802352941	0.47529412	2.40606061	0.4080808
A_55_P1997	1380.6	Detected	423	Detected	359.5	Detected	3867.2	Detected	LOC630751	2.801100971	0.26039403	9.14231678	0.8498818
A_55_P2054	102.3	Detected	104	Detected	122	Detected	286.5	Detected	Tnip3	2.80058651	1.19257087	2.75480769	1.1730769
A_55_P2051	8531.2	Detected	17964.5	Detected	16335.4	Detected	23881.1	Detected	H2-K2	2.799266223	1.91478338	1.32934955	0.9093156
A_55_P2340	1825.8	Detected	2810.2	Detected	5258.6	Detected	5109.7	Detected	1810019D21Rik	2.798608829	2.88016212	1.81826916	1.8712547
A_52_P2497	102	Detected	65.6	Detected	117.6	Detected	285.3	Detected	Tcap	2.797058824	1.15294118	4.34908537	1.7926829
A_55_P2154	903.6	Detected	1312.8	Detected	5702.6	Detected	2526.7	Detected	Pter	2.796259407	6.31097831	1.92466484	4.3438452
A_55_P2073	97.9	Detected	217.6	Detected	92.3	Detected	273.7	Detected	Trim9	2.795709908	0.94279877	1.2578125	0.4241728
A_55_P1974	9.3	Not Detect	10.3	Not Detect	24.6	Detected	26	Not Detect	Gm13769	2.795698925	2.64516129	2.52427184	2.3883495
A_55_P2061	115.5	Detected	486.2	Detected	151.4	Detected	322.9	Detected	Zfhx4	2.795670996	1.31082251	0.66412999	0.3113945
A_55_P1968	3973.9	Detected	2994.8	Detected	8936.2	Detected	11105.6	Detected	Plekhh1	2.794634993	2.24872292	3.70829438	2.9839054
A_55_P1993	88.6	Detected	113.1	Detected	177.5	Detected	247.6	Detected	Ppargc1b	2.794582393	2.003386	2.18921309	1.5694076
A_66_P1177	323.7	Detected	248.9	Detected	252.7	Detected	904.4	Detected	Crxos1	2.793945011	0.78066111	3.63358779	1.0152672

A_55_P2145	679.1 Detected	648.7 Detected	986.7 Detected	1895.8 Detected	Hlcs	2.791635989	1.45295244	2.92246031	1.5210421
A_55_P2169	4905.6 Detected	9311.4 Detected	7676.9 Detected	13692.6 Detected	Cgn	2.7912182	1.5649258	1.47052001	0.8244625
A_55_P2184	42.3 Detected	37.2 Detected	38.3 Detected	118 Detected	AA386476	2.789598109	0.90543735	3.17204301	1.0295699
A_51_P4562	759.9 Detected	13.4 Not Detect	20070.6 Detected	2119.3 Detected	Tff3	2.788919595	26.4121595	158.156716	1497.806
A_52_P7639	59.7 Detected	148.4 Detected	115.9 Detected	166.4 Detected	Gm4285	2.787269682	1.94137353	1.1212938	0.7809973
A_51_P4924	1435.1 Detected	2524.1 Detected	5314.4 Detected	3996.6 Detected	Cstf2t	2.784893039	3.70315657	1.58337625	2.1054633
A_55_P2034	545.4 Detected	691.3 Detected	858.8 Detected	1518.1 Detected	Prh1	2.78346168	1.57462413	2.19600752	1.2422971
A_52_P7968	14.3 Not Detect	72.5 Detected	51.5 Detected	39.8 Not Detect	Cfhr2	2.783216783	3.6013986	0.54896552	0.7103448
A_55_P2030	105 Detected	138.7 Detected	147.5 Detected	292 Detected	5930403N24Rik	2.780952381	1.4047619	2.10526316	1.0634463
A_55_P2116	6414.3 Detected	7037.7 Detected	8778 Detected	17830.5 Detected	Hook2	2.779804499	1.36850475	2.53356921	1.2472825
A_52_P3387	14.5 Not Detect	47.4 Detected	38.7 Detected	40.3 Not Detect	Ispd	2.779310345	2.66896552	0.85021097	0.8164557
A_55_P2034	2871.7 Detected	3985.8 Detected	3029.9 Detected	7976.7 Detected	Eif4g3	2.777692656	1.05508932	2.00127954	0.7601736
A_51_P5070	3385.7 Detected	11873.2 Detected	7271.5 Detected	9400 Detected	Slc38a1	2.776383023	2.14770948	0.79169895	0.6124297
A_55_P2130	2439.3 Detected	6177.5 Detected	6747.7 Detected	6770.1 Detected	Polr2l	2.775427377	2.76624441	1.09592877	1.0923027
A_55_P2147	74.8 Detected	98.4 Detected	68.1 Detected	207.6 Detected	Fam129c	2.77540107	0.91042781	2.1097561	0.6920732
A_66_P1049	549 Detected	691 Detected	992.4 Detected	1523.6 Detected	Krt24	2.775227687	1.80765027	2.20492041	1.4361795
A_66_P1001	1824.6 Detected	1702.8 Detected	2020.2 Detected	5061.9 Detected	Inadl	2.774251891	1.10720158	2.97269204	1.1863989
A_66_P1347	611.7 Detected	849.1 Detected	3868.1 Detected	1696 Detected	Pter	2.772600948	6.3235246	1.99740902	4.5555294
A_51_P2652	291.4 Detected	295.7 Detected	381.5 Detected	807.9 Detected	Ppm1k	2.772477694	1.30919698	2.73216097	1.2901589
A_55_P2125	3580.7 Detected	3979.1 Detected	1549.4 Detected	9923.8 Detected	Rab3b	2.771469266	0.43270869	2.49398105	0.3893845
A_51_P1469	66.8 Detected	86.3 Detected	11.2 Not Detect	185.1 Detected	Dmrt2	2.770958084	0.16766467	2.14484357	0.1297798
A_55_P2068	113.2 Detected	130.3 Detected	109.4 Detected	313.5 Detected	Myct1	2.769434629	0.9664311	2.40598619	0.8396009
A_66_P1102	651 Detected	724.9 Detected	638.4 Detected	1802.6 Compromis	Tmem91	2.768970814	0.98064516	2.48668782	0.8806732
A_55_P2092	20.7 Detected	59.2 Detected	59.9 Detected	57.3 Detected	Ccbl2	2.768115942	2.89371981	0.96790541	1.0118243
A_55_P1983	10140.9 Detected	12317.2 Detected	15644.4 Detected	28069.1 Detected	Hdac5	2.767910146	1.54270331	2.27885396	1.2701263
A_51_P3886	131.8 Detected	153.9 Detected	189.7 Detected	364.7 Detected	Bbx	2.76707132	1.43930197	2.3697206	1.2326186
A_52_P1044	23.4 Detected	20.3 Detected	21.1 Detected	64.7 Detected	Grin2b	2.764957265	0.9017094	3.18719212	1.0394089
A_55_P2213	49.6 Detected	79.3 Detected	37.4 Detected	137.1 Detected	5330421C15Rik	2.764112903	0.75403226	1.72887768	0.4716267
A_55_P2327	485.7 Detected	1029.5 Detected	749.2 Detected	1342.5 Detected	Il13ra2	2.764051884	1.54251596	1.30403108	0.7277319
A_51_P1410	89 Detected	449.9 Detected	218.2 Detected	245.9 Detected	Cand2	2.762921348	2.45168539	0.5465659	0.4849967
A_52_P1571	428.7 Detected	420.5 Detected	164 Detected	1183.5 Detected	Rnf157	2.760671798	0.3825519	2.81450654	0.3900119
A_55_P2158	37.1 Detected	37.2 Detected	29.7 Detected	102.3 Detected	Camp	2.757412399	0.80053908	2.75	0.7983871
A_51_P1492	42.3 Detected	36.1 Detected	44 Detected	116.6 Detected	Phospho1	2.756501182	1.04018913	3.2299169	1.2188366
A_51_P4429	144.7 Detected	136.7 Detected	158.5 Detected	398.6 Detected	Amigo3	2.754664824	1.09536973	2.91587418	1.1594733
A_55_P2036	49.5 Detected	79.8 Detected	89 Detected	136.3 Detected	Mcf2l	2.753535354	1.7979798	1.70802005	1.1152882
A_52_P2002	487.8 Detected	773.5 Detected	925.4 Detected	1341.6 Detected	Rmnd5a	2.750307503	1.89708897	1.73445378	1.1963801
A_51_P1171	185.7 Detected	235.3 Detected	380.7 Detected	510.7 Detected	Naga	2.750134626	2.05008078	2.17042074	1.6179346
A_51_P1194	89.6 Detected	373.2 Detected	70.1 Detected	246.4 Detected	Nckap1l	2.75	0.78236607	0.6602358	0.1878349
A_51_P4080	3.6 Not Detect	4.6 Not Detect	666.7 Detected	9.9 Not Detect	Apoa1	2.75	185.194444	2.15217391	144.93478
A_55_P2137	6.4 Not Detect	20.7 Detected	14.5 Not Detect	17.6 Not Detect	Vmn1r207-ps	2.75	2.265625	0.85024155	0.7004831

A_55_P2034	67.8 Detected	126.1 Detected	84 Detected	186.4 Detected	Eif4g3	2.749262537	1.23893805	1.47819191	0.666138
A_55_P2072	27.9 Detected	33.3 Detected	41.2 Detected	76.7 Detected	1-Mar	2.749103943	1.47670251	2.3033033	1.2372372
A_55_P2029	2156.8 Detected	2812.6 Detected	4617.5 Detected	5927.5 Detected	2610318N02Rik	2.748284496	2.14090319	2.10748062	1.6417194
A_51_P2005	99.3 Detected	187.4 Detected	66.7 Detected	272.9 Detected	Rasgef1a	2.748237664	0.67170191	1.45624333	0.3559232
A_51_P1088	154.2 Detected	296.6 Detected	575.5 Detected	423.5 Detected	Lyp1a1	2.746433204	3.73216602	1.42784895	1.9403237
A_55_P2082	111.2 Detected	119.9 Detected	227.5 Detected	305.4 Detected	AA388235	2.746402878	2.04586331	2.5471226	1.8974145
A_51_P3596	28603.9 Detected	27198.8 Detected	76658.1 Detected	78496.9 Detected	Lgals3bp	2.744272634	2.67998769	2.88604277	2.8184368
A_66_P1018	94.3 Detected	209.9 Detected	185.8 Detected	258.7 Detected	Cd38	2.743372216	1.97030753	1.23249166	0.8851834
A_55_P2065	5094.1 Detected	5600.2 Detected	6820.6 Detected	13958.3 Detected	Hook2	2.740091478	1.3389215	2.49246455	1.2179208
A_55_P2014	72.6 Detected	87 Detected	103.2 Detected	198.9 Detected	Gm7285	2.739669421	1.4214876	2.2862069	1.1862069
A_55_P2107	87.8 Detected	93.9 Detected	205.6 Detected	240.5 Detected	Slc18a1	2.739179954	2.34168565	2.56123536	2.1895634
A_52_P3164	11.5 Not Detect	64.2 Detected	35.6 Detected	31.5 Not Detect	Tmem145	2.739130435	3.09565217	0.49065421	0.5545171
A_55_P2149	26.4 Detected	40.9 Detected	22.1 Detected	72.3 Detected	Zfp853	2.738636364	0.83712121	1.76772616	0.5403423
A_66_P1296	1045.9 Detected	1594.7 Detected	2427.6 Detected	2863.7 Detected	Phldb3	2.738024668	2.3210632	1.79576096	1.5222926
A_51_P1890	289.6 Detected	314.3 Detected	425.8 Detected	792.5 Detected	Ppp1r27	2.736533149	1.47030387	2.5214763	1.3547566
A_55_P2007	99.9 Detected	80.7 Detected	73.9 Detected	273.3 Detected	Cyp2t4	2.735735736	0.73973974	3.3866171	0.9157373
A_51_P1157	3.4 Not Detect	21 Detected	11.3 Not Detect	9.3 Not Detect	Asb2	2.735294118	3.32352941	0.44285714	0.5380952
A_52_P2977	8.3 Not Detect	27.2 Detected	31.3 Detected	22.7 Not Detect	Uggt2	2.734939759	3.77108434	0.83455882	1.1507353
A_55_P2029	859.5 Detected	1938.1 Detected	1872.2 Detected	2349.9 Detected	LOC101056305	2.734031414	2.17824316	1.21247614	0.9659976
A_52_P4884	803.3 Detected	1404.5 Detected	651.7 Detected	2194.6 Detected	Sec14l2	2.73198058	0.81127848	1.56254895	0.4640085
A_55_P2104	163.5 Detected	89.5 Detected	51.3 Detected	446.5 Detected	Plin5	2.73088685	0.31376147	4.98882682	0.5731844
A_55_P2148	38137.9 Detected	75402 Detected	55965.2 Detected	104082.9 Detected	S100a16	2.729119852	1.46744315	1.3803732	0.7422243
A_51_P1844	222.9 Detected	638.5 Detected	236.4 Detected	608.3 Detected	Mmp13	2.729026469	1.06056528	0.95270164	0.3702428
A_52_P2326	88.2 Detected	352.2 Detected	219 Detected	240.7 Detected	Slc38a1	2.729024943	2.4829932	0.68341851	0.6218058
A_55_P2349	95.8 Detected	133.1 Detected	93.5 Detected	261.4 Detected	8030494B02Rik	2.728601253	0.97599165	1.96393689	0.7024793
A_51_P2508	296.4 Detected	472.3 Detected	387.8 Detected	808.7 Detected	Spata2l	2.728407557	1.30836707	1.71225916	0.8210883
A_51_P1769	400.6 Detected	392.9 Detected	635.4 Detected	1092.8 Detected	Hlcs	2.727908138	1.58612082	2.78136931	1.6172054
A_55_P2105	45.2 Detected	67 Detected	30.5 Detected	123.3 Detected	Tmed5	2.727876106	0.67477876	1.84029851	0.4552239
A_55_P2028	159.4 Detected	165.5 Detected	289 Detected	434.8 Detected	Rnft2	2.727728984	1.81304893	2.62719033	1.7462236
A_55_P2068	223.5 Detected	325.4 Detected	346.1 Detected	609.4 Detected	Atp7b	2.726621924	1.54854586	1.87277197	1.063614
A_52_P4179	107.2 Detected	156.6 Detected	94 Detected	292.2 Detected	Zfp868	2.725746269	0.87686567	1.86590038	0.6002554
A_51_P4676	592.8 Detected	329.5 Detected	1589.5 Detected	1615.2 Detected	Ick	2.724696356	2.68134278	4.90197269	4.8239757
A_51_P4398	2271.8 Detected	4407.6 Detected	2845.1 Detected	6183.7 Detected	Gipc1	2.721938551	1.25235496	1.40296306	0.6454987
A_51_P2079	194.2 Detected	549.4 Detected	7.2 Not Detect	528.6 Detected	Tmem117	2.721936148	0.03707518	0.96214052	0.0131052
A_51_P2927	15610.9 Detected	16513.7 Detected	31499.1 Detected	42457 Detected	Acbd4	2.719702259	2.01776323	2.57101679	1.9074526
A_55_P1988	47.7 Detected	111.7 Detected	99.8 Detected	129.6 Detected	Ty3	2.716981132	2.09224319	1.16025067	0.8934646
A_55_P1978	7 Not Detect	19.8 Detected	11 Not Detect	19 Not Detect	C530043A13Rik	2.714285714	1.57142857	0.95959596	0.5555556
A_55_P2104	1056.9 Detected	1038.8 Detected	1132.2 Detected	2868.7 Detected	Inadl	2.714258681	1.0712461	2.76155179	1.0899114
A_66_P1143	23.4 Detected	14.5 Not Detect	17.4 Detected	63.5 Detected	Olf1r1168	2.713675214	0.74358974	4.37931034	1.2
A_55_P2002	3.8 Not Detect	93.8 Detected	3.7 Not Detect	10.3 Not Detect	Msx3	2.710526316	0.97368421	0.1098081	0.0394456

A_55_P2017	65335.6	Detected	165344.7	Detected	192651.5	Detected	176943.8	Detected	Clu	2.70822951	2.94864515	1.07015102	1.1651507
A_55_P2124	211.1	Detected	480.7	Detected	1979.2	Detected	571.5	Detected	Npw	2.70724775	9.37565135	1.1888912	4.1173289
A_55_P2002	138.3	Detected	442.4	Detected	223.4	Detected	374.4	Detected	Coro1a	2.707158351	1.61532899	0.84629295	0.5049729
A_55_P1997	604.3	Detected	561.6	Detected	838.8	Detected	1635.1	Detected	Fam57a	2.705775277	1.38805229	2.91150285	1.4935897
A_55_P1983	20.2	Detected	22.8	Detected	18	Detected	54.6	Detected	Crybb3	2.702970297	0.89108911	2.39473684	0.7894737
A_52_P2970	2314.1	Detected	2400.4	Detected	1819.8	Detected	6252.3	Detected	Itpk1	2.701827924	0.78639644	2.60469088	0.7581236
A_66_P1176	11.4	Not Detect	37	Detected	3.7	Not Detect	30.8	Not Detect	Gm16894	2.701754386	0.3245614	0.83243243	0.1
A_55_P2237	19.1	Detected	9.1	Not Detect	290.3	Detected	51.6	Detected	Smarca1	2.701570681	15.1989529	5.67032967	31.901099
A_55_P1954	23134	Detected	29351.9	Detected	34243.7	Detected	62479.6	Detected	Gm20186	2.70076943	1.48023256	2.12863903	1.1666604
A_55_P2088	19.3	Detected	20.6	Detected	36.5	Detected	52.1	Detected	Gm16287	2.699481865	1.89119171	2.52912621	1.7718447
A_55_P2169	3919.1	Detected	7390.2	Detected	6243.6	Detected	10575.6	Detected	BC021767	2.698476691	1.59312087	1.43103028	0.8448486
A_55_P2102	26.1	Detected	25.8	Detected	41.7	Detected	70.4	Detected	1810010H24Rik	2.697318008	1.59770115	2.72868217	1.6162791
A_55_P2060	864.5	Detected	962.8	Detected	965.7	Detected	2329.8	Detected	Otub2	2.69496819	1.11706189	2.4198172	1.003012
A_55_P1982	992.1	Detected	2983.3	Detected	1254.9	Detected	2673.6	Detected	Sgsm1	2.694889628	1.26489265	0.89618878	0.4206416
A_55_P2109	759.1	Detected	843.6	Detected	1003.9	Detected	2045.6	Detected	Nipal3	2.694770123	1.32248716	2.4248459	1.190019
A_66_P1207	130.7	Detected	137.9	Detected	252.7	Detected	352.2	Detected	Ston2	2.694720735	1.93343535	2.55402466	1.8324873
A_55_P2062	24.2	Detected	29	Detected	18	Detected	65.2	Detected	BC030499	2.694214876	0.74380165	2.24827586	0.6206897
A_55_P2094	14	Detected	13.7	Not Detect	9.2	Not Detect	37.7	Not Detect	Ms4a10	2.692857143	0.65714286	2.75182482	0.6715328
A_55_P2097	206.7	Detected	544.4	Detected	334.4	Detected	556.6	Detected	P4ha1	2.692791485	1.61780358	1.02240999	0.6142542
A_52_P6372	74.1	Detected	714.4	Detected	3.4	Not Detect	199.5	Detected	Wipf1	2.692307692	0.04588394	0.27925532	0.0047592
A_55_P2159	35.6	Detected	43	Detected	38.6	Detected	95.8	Detected	Col14a1	2.691011236	1.08426966	2.22790698	0.8976744
A_51_P2306	1148.3	Detected	1435	Detected	2483.5	Detected	3089.9	Detected	Ccdc711	2.69084734	2.16276234	2.15324042	1.730662
A_55_P2010	714.8	Detected	561.7	Detected	1361.6	Detected	1921.8	Detected	Fahd1	2.688584219	1.90486849	3.42139932	2.4240698
A_52_P1756	15.7	Detected	26.5	Detected	9.8	Not Detect	42.2	Not Detect	A4gnt	2.687898089	0.62420382	1.59245283	0.3698113
A_55_P1983	100.4	Detected	179.9	Detected	169.8	Detected	269.6	Detected	Nr4a2	2.685258964	1.69123506	1.49861034	0.9438577
A_55_P1959	8315.8	Detected	9981.2	Detected	14172.2	Detected	22324.2	Detected	Tom111	2.684552298	1.70424974	2.23662485	1.4198894
A_52_P3321	228	Detected	504.7	Detected	257.9	Detected	611.6	Detected	Ddhd1	2.68245614	1.13114035	1.211809	0.5109966
A_55_P2243	17.3	Detected	7	Not Detect	13.1	Not Detect	46.4	Not Detect	9030405F24Rik	2.682080925	0.75722543	6.62857143	1.8714286
A_55_P2065	5072.1	Detected	4886.2	Detected	10695.2	Detected	13596.8	Detected	Chac2	2.680704245	2.1086335	2.78269412	2.1888584
A_55_P2005	21.9	Detected	170.2	Detected	28.5	Detected	58.7	Detected	Trps1	2.680365297	1.30136986	0.34488837	0.1674501
A_51_P1156	6300.6	Detected	9362.6	Detected	11515.4	Detected	16883.2	Detected	Fam83h	2.679617814	1.82766721	1.80325978	1.2299361
A_55_P2004	489.4	Detected	268	Detected	877.8	Detected	1311	Detected	Ttc39a	2.678790356	1.79362485	4.89179104	3.2753731
A_52_P3935	529.4	Detected	683.6	Detected	881.5	Detected	1418.1	Detected	Clmp	2.67869286	1.66509256	2.07445875	1.2894968
A_55_P2060	4093.3	Detected	4235.9	Detected	4309	Detected	10962.7	Detected	Akap9	2.678205849	1.05269587	2.58804504	1.0172573
A_52_P3164	4258.5	Detected	2695.4	Detected	8419.5	Detected	11404.4	Detected	St3gal4	2.678032171	1.97710461	4.23106032	3.1236551
A_66_P1253	175.6	Detected	52.8	Detected	56.2	Detected	470.2	Detected	F830016B08Rik	2.677676538	0.32004556	8.90530303	1.0643939
A_55_P1975	9.6	Not Detect	16.7	Detected	20	Detected	25.7	Not Detect	Sgcg	2.677083333	2.08333333	1.53892216	1.1976048
A_55_P2058	32	Detected	28.5	Detected	26.3	Detected	85.6	Detected	Dnajb5	2.675	0.821875	3.00350877	0.922807
A_55_P2079	20.9	Detected	39.9	Detected	82.2	Detected	55.9	Detected	Henmt1	2.674641148	3.93301435	1.40100251	2.0601504
A_52_P4095	551.7	Detected	410.4	Detected	880.4	Detected	1475.4	Detected	5330426P16Rik	2.6742795	1.59579482	3.59502924	2.1452242

A_51_P3725	12262.3	Detected	33537.1	Detected	24563	Detected	32776.2	Detected	Cgref1	2.672924329	2.00313155	0.97731169	0.7324128
A_52_P5841	642.3	Detected	428.5	Detected	2346.2	Detected	1716.3	Detected	Frat1	2.672115834	3.65281021	4.00536756	5.4753792
A_52_P1100	2986.6	Detected	6160.9	Detected	6888	Detected	7978.6	Detected	5730416F02Rik	2.671465881	2.30630148	1.29503806	1.1180185
A_55_P2075	15.5	Detected	55	Detected	15.5	Not Detect	41.4	Not Detect	Gm904	2.670967742	1	0.75272727	0.2818182
A_55_P2116	14049.5	Detected	24480.1	Detected	27792.8	Detected	37477.8	Detected	D8Erd82e	2.667554005	1.97820563	1.53094963	1.1353222
A_55_P2062	10.5	Not Detect	40	Detected	28.5	Detected	28	Not Detect	Awat2	2.666666667	2.71428571	0.7	0.7125
A_52_P1710	90.2	Detected	166.3	Detected	128.8	Detected	240.3	Detected	Man1a	2.664079823	1.42793792	1.44497895	0.7745039
A_52_P8172	23.2	Detected	35.2	Detected	16	Not Detect	61.8	Detected	Smim22	2.663793103	0.68965517	1.75568182	0.4545455
A_55_P1988	1408.5	Detected	1522.2	Detected	1658	Detected	3750.2	Detected	Cacna2d1	2.662548811	1.1771388	2.463671	1.089213
A_52_P3251	4089.3	Detected	4463.4	Detected	7216.3	Detected	10887.7	Detected	Gramd1b	2.662485022	1.76467855	2.43932876	1.616772
A_52_P6726	664.3	Detected	1344.9	Detected	1032.9	Detected	1768.2	Detected	Btc	2.66174921	1.55486979	1.31474459	0.7680125
A_51_P4276	126	Detected	117.5	Detected	290.2	Detected	335.3	Detected	BC018242	2.661111111	2.3031746	2.85361702	2.4697872
A_55_P2092	4232.5	Detected	9151.8	Detected	9289.3	Detected	11259.4	Detected	Nup210	2.660224454	2.19475487	1.23029349	1.0150244
A_65_P1894	146.6	Detected	107.5	Detected	3.2	Not Detect	389.9	Detected	Ppm1h	2.659618008	0.0218281	3.62697674	0.0297674
A_51_P3141	126	Detected	191.4	Detected	103.1	Detected	335.1	Detected	Syne1	2.65952381	0.81825397	1.7507837	0.5386625
A_51_P1493	251.3	Detected	212.1	Detected	527.4	Detected	668.1	Detected	Fbxl20	2.658575408	2.09868683	3.14992928	2.4865629
A_55_P2268	17.5	Detected	24.2	Detected	9.7	Not Detect	46.5	Not Detect	4930445G23Rik	2.657142857	0.55428571	1.9214876	0.4008264
A_65_P0644	1826.2	Detected	4178.8	Detected	4115.8	Detected	4850.4	Detected	Tfrc	2.656007009	2.25375096	1.160716	0.9849239
A_55_P2123	193.3	Detected	824.1	Detected	252.6	Detected	513.3	Detected	Zfhx4	2.655457838	1.30677703	0.6228613	0.3065162
A_51_P4777	348.8	Detected	354.2	Detected	503.8	Detected	925.8	Detected	Rab3d	2.654243119	1.44438073	2.61377753	1.4223602
A_65_P0183	1558.2	Detected	1695.4	Detected	2612.6	Detected	4134.7	Detected	Lima1	2.653510461	1.67667822	2.43877551	1.5409933
A_52_P7002	5637.3	Detected	9134.9	Detected	10812.9	Detected	14956.9	Detected	Cox16	2.653202774	1.91809909	1.63733593	1.1836911
A_55_P2099	94.5	Detected	124.9	Detected	109.7	Detected	250.7	Detected	LOC101056691	2.652910053	1.16084656	2.00720576	0.8783026
A_55_P2099	235	Detected	308.1	Detected	656	Detected	623.4	Detected	Scd3	2.652765957	2.79148936	2.02336904	2.1291788
A_51_P4400	2863.9	Detected	7759	Detected	9259.3	Detected	7595.9	Detected	Lgalsl	2.652292329	3.2331087	0.97897925	1.1933625
A_55_P2163	2926.7	Detected	8676.4	Detected	8090.8	Detected	7760.2	Detected	Clec2f	2.651518775	2.76447876	0.89440321	0.9325066
A_55_P2077	251.2	Detected	292	Detected	279.2	Detected	665.9	Detected	Kat6b	2.650875796	1.11146497	2.28047945	0.9561644
A_51_P1389	179.9	Detected	108.6	Detected	571.6	Detected	476.6	Detected	Peg12	2.649249583	3.17732073	4.38858195	5.2633517
A_55_P1964	49.7	Detected	27.1	Detected	27.9	Detected	131.6	Detected	Gm10398	2.647887324	0.56136821	4.85608856	1.0295203
A_51_P3271	254.3	Detected	138	Detected	370.5	Detected	673	Detected	Was	2.646480535	1.45694062	4.87681159	2.6847826
A_51_P4302	645.5	Detected	1364.7	Detected	1262.5	Detected	1708	Detected	1700009P17Rik	2.646010844	1.95584818	1.25155712	0.9251117
A_55_P2014	260.9	Detected	352.3	Detected	40.6	Detected	689.9	Detected	Sema5a	2.644308164	0.15561518	1.9582742	0.1152427
A_55_P1980	7.8	Not Detect	10.1	Not Detect	38.2	Detected	20.6	Not Detect	Plcb1	2.641025641	4.8974359	2.03960396	3.7821782
A_55_P2220	26.5	Detected	35.2	Detected	31.7	Detected	69.9	Detected	B230303O12Rik	2.637735849	1.19622642	1.98579545	0.9005682
A_52_P5988	591.5	Detected	627.4	Detected	908	Detected	1559.9	Detected	Ccdc71l	2.637193576	1.5350803	2.48629264	1.4472426
A_51_P4178	23.7	Detected	40.3	Detected	19.4	Detected	62.5	Detected	Trim10	2.637130802	0.8185654	1.55086849	0.4813896
A_51_P4400	75.4	Detected	101.8	Detected	194.1	Detected	198.7	Detected	Fam187b	2.635278515	2.57427056	1.9518664	1.9066798
A_51_P3841	198.7	Detected	354.2	Detected	508.9	Detected	523.6	Detected	Acad12	2.635128334	2.56114746	1.47826087	1.4367589
A_51_P5209	150.1	Detected	334.1	Detected	807	Detected	395.3	Detected	Icosl	2.633577615	5.37641572	1.18317869	2.4154445
A_51_P3612	9434.5	Detected	15700.9	Detected	10915.8	Detected	24840.7	Detected	Atp6v0d1	2.632964121	1.15700885	1.5821195	0.695234

A_55_P1966	75.7 Detected	305.9 Detected	320.2 Detected	199.3 Detected	Plac9a	2.632760898	4.22985469	0.6515201	1.0467473
A_55_P2093	120.5 Detected	349.5 Detected	427.8 Detected	317.1 Detected	Xrcc6bp1	2.63153527	3.55020747	0.90729614	1.2240343
A_55_P1984	13 Not Detect	33 Detected	13 Not Detect	34.2 Not Detect	Stxbp5	2.630769231	1	1.03636364	0.3939394
A_55_P2006	103.8 Detected	89.9 Detected	103 Detected	273 Detected	Olf482	2.630057803	0.99229287	3.03670745	1.1457175
A_66_P1258	2129 Detected	3521.7 Detected	4683.9 Detected	5596.5 Detected	A930005H10Rik	2.62869892	2.20004697	1.58914729	1.3300111
A_55_P2015	2382 Detected	2386.8 Detected	1799.6 Detected	6260.6 Detected	Evi5l	2.62829555	0.75549958	2.62300989	0.7539802
A_51_P4298	12.6 Not Detect	10 Not Detect	23.8 Detected	33.1 Not Detect	Msh5	2.626984127	1.88888889	3.31	2.38
A_55_P2049	9668.1 Detected	20746.6 Detected	19204.6 Detected	25382 Detected	H2-K1	2.625334864	1.98638823	1.22342938	0.9256746
A_51_P3584	51.1 Detected	66.6 Detected	96.8 Detected	134.1 Detected	Ppp1r32	2.624266145	1.89432485	2.01351351	1.4534535
A_51_P1345	2230.3 Detected	4538.4 Detected	3721.9 Detected	5850.4 Detected	Coq9	2.623144868	1.66878895	1.28908867	0.8200908
A_51_P4225	490.9 Detected	617.9 Detected	826.2 Detected	1287 Detected	Paqr8	2.621715217	1.68303117	2.0828613	1.3371096
A_66_P1040	52.2 Detected	58.5 Detected	74.1 Detected	136.7 Detected	Tdp1	2.618773946	1.41954023	2.33675214	1.2666667
A_66_P1130	44.3 Detected	56.9 Detected	32.2 Detected	116 Detected	Pla2g2e	2.618510158	0.7268623	2.03866432	0.5659051
A_52_P5571	62.4 Detected	142.4 Detected	129.4 Detected	163.3 Detected	Slc12a5	2.616987179	2.07371795	1.14676966	0.9087079
A_55_P2172	15.3 Detected	10.4 Not Detect	13.6 Not Detect	40 Not Detect	Tm4sf19	2.614379085	0.88888889	3.84615385	1.3076923
A_51_P3898	989 Detected	849.8 Detected	760.9 Detected	2584.3 Detected	B3gnt9	2.613043478	0.76936299	3.04106849	0.8953871
A_51_P1154	131.1 Detected	372.3 Detected	348.9 Detected	342.4 Detected	Apol8	2.611746758	2.66132723	0.91968842	0.9371475
A_55_P2072	16.2 Detected	32.8 Detected	36.9 Detected	42.3 Not Detect	Gm8777	2.611111111	2.27777778	1.28963415	1.125
A_55_P2178	20.4 Detected	25.6 Detected	66.1 Detected	53.2 Detected	Gm10489	2.607843137	3.24019608	2.078125	2.5820313
A_55_P1975	496.8 Detected	758 Detected	619.4 Detected	1293.5 Detected	Olf629	2.603663446	1.24677939	1.70646438	0.8171504
A_55_P1958	4340.4 Detected	2590.5 Detected	6368.1 Detected	11296.3 Detected	Itga6	2.602594231	1.46716892	4.36066396	2.4582513
A_55_P2029	66.9 Detected	57.1 Detected	61.7 Detected	174.1 Detected	Atr	2.602391629	0.92227205	3.04903678	1.0805604
A_55_P2185	2333.4 Detected	373.2 Detected	6084.2 Detected	6070.3 Detected	Cyp3a13	2.601482815	2.60743979	16.2655413	16.302787
A_55_P1994	94.8 Detected	119.1 Detected	117.7 Detected	246.5 Detected	Ufm1	2.60021097	1.24156118	2.06968934	0.9882452
A_55_P2269	24 Detected	27.6 Detected	7.5 Not Detect	62.4 Detected	BB116930	2.6	0.3125	2.26086957	0.2717391
A_51_P3940	19.9 Detected	30.5 Detected	37.5 Detected	51.7 Detected	Qprt	2.59798995	1.88442211	1.69508197	1.2295082
A_55_P2001	941.8 Detected	1412 Detected	876.2 Detected	2446.4 Detected	Pex1	2.597579104	0.93034615	1.7325779	0.6205382
A_52_P3505	3554.1 Detected	3475.6 Detected	6664.3 Detected	9224.6 Detected	Mtmr11	2.595481275	1.87510199	2.65410289	1.9174531
A_55_P2028	2230.3 Detected	4114.8 Detected	3940.2 Detected	5784.7 Detected	Sgsh	2.593686948	1.76666816	1.40582774	0.9575678
A_55_P2012	556.3 Detected	636.5 Detected	1020 Detected	1442.8 Detected	Zfp618	2.593564623	1.83354305	2.26677141	1.6025137
A_51_P4611	408.6 Detected	150.7 Detected	453.9 Detected	1059.7 Detected	Osbpl10	2.593489966	1.11086637	7.03185136	3.0119443
A_55_P2114	33.1 Detected	26.5 Detected	33.5 Detected	85.8 Detected	Creb1	2.592145015	1.01208459	3.23773585	1.2641509
A_55_P2021	11.5 Not Detect	3.2 Not Detect	43.1 Detected	29.8 Not Detect	A630077J23Rik	2.591304348	3.74782609	9.3125	13.46875
A_55_P2364	161.6 Detected	7.8 Not Detect	398.2 Detected	418.7 Detected	Mcpt-ps1	2.590965347	2.46410891	53.6794872	51.051282
A_55_P2046	33.4 Detected	89.1 Detected	62.4 Detected	86.5 Detected	Arhgap42	2.589820359	1.86826347	0.9708193	0.7003367
A_55_P2072	309.7 Detected	575.5 Detected	482.8 Detected	802 Detected	Dnaaf3	2.589602841	1.55892799	1.39357081	0.8389227
A_52_P6791	6866.1 Detected	10558.8 Detected	8251.2 Detected	17778.3 Detected	Prss23	2.589286495	1.20173024	1.68374247	0.7814524
A_55_P2086	38 Detected	41.2 Detected	35 Detected	98.3 Detected	Bglap3	2.586842105	0.92105263	2.38592233	0.8495146
A_51_P1690	4135.2 Detected	6942.2 Detected	5633.4 Detected	10696.9 Detected	Gls2	2.586791449	1.36230412	1.5408516	0.8114719
A_55_P2233	61.6 Detected	54.2 Detected	64.8 Detected	159.2 Detected	4930572J10Rik	2.584415584	1.05194805	2.93726937	1.195572

A_55_P2091	119.1 Detected	244.4 Detected	97.1 Detected	307.8 Detected	Krtap1-4	2.584382872	0.81528128	1.2594108	0.3972995
A_52_P4802	55.3 Detected	34.9 Detected	41.3 Detected	142.9 Detected	Atat1	2.584086799	0.74683544	4.09455587	1.1833811
A_52_P1146	784.9 Detected	1247.9 Detected	1316.8 Detected	2026.7 Detected	Elmo3	2.582112371	1.67766594	1.62408847	1.0552128
A_55_P1988	247 Detected	317.2 Detected	344.4 Detected	637.7 Detected	Slc7a3	2.581781377	1.39433198	2.01040353	1.0857503
A_55_P1981	1026.1 Detected	2020.3 Detected	1939.7 Detected	2648.1 Detected	H2-BI	2.580742618	1.89036156	1.31074593	0.9601049
A_51_P2933	3114.8 Detected	2811.5 Detected	4487.9 Detected	8035 Detected	Tob1	2.579619879	1.44083087	2.85790503	1.5962653
A_51_P2998	488.8 Detected	636.2 Detected	383.2 Detected	1260.7 Detected	Slc46a3	2.579173486	0.78396072	1.98160956	0.6023263
A_55_P2028	3.8 Not Detect	53.5 Detected	8.5 Not Detect	9.8 Not Detect	Olf1r1250	2.578947368	2.23684211	0.18317757	0.1588785
A_55_P2174	557.5 Detected	9684.1 Detected	586 Detected	1436.7 Detected	Urah	2.577040359	1.05112108	0.14835658	0.0605116
A_55_P2159	311.3 Detected	382.1 Detected	758.1 Detected	802.2 Detected	Reep6	2.576935432	2.43527144	2.09945041	1.9840356
A_52_P2238	23.3 Detected	37.5 Detected	31.2 Detected	60 Detected	6430548M08Rik	2.575107296	1.33905579	1.6	0.832
A_51_P5104	9.8 Not Detect	34.6 Detected	16.2 Not Detect	25.2 Not Detect	Atpaf1	2.571428571	1.65306122	0.7283237	0.4682081
A_55_P2018	73.4 Detected	185.2 Detected	82.5 Detected	188.6 Detected	Abcg4	2.569482289	1.1239782	1.01835853	0.4454644
A_55_P1997	3.7 Not Detect	42.4 Detected	8.5 Not Detect	9.5 Not Detect	Osbp2	2.567567568	2.2972973	0.2240566	0.2004717
A_55_P2037	11981.4 Detected	36634.9 Detected	34964 Detected	30762.3 Detected	Acp5	2.567504632	2.91818986	0.8396993	0.9543905
A_55_P2177	1511 Detected	3840.2 Detected	3056.4 Detected	3879 Detected	Cradd	2.567174057	2.02276638	1.01010364	0.795896
A_55_P2158	19.4 Detected	14.9 Not Detect	37.3 Detected	49.8 Not Detect	Lama2	2.567010309	1.92268041	3.34228188	2.5033557
A_55_P2007	5.3 Not Detect	3.8 Not Detect	25.1 Detected	13.6 Not Detect	Abca15	2.566037736	4.73584906	3.57894737	6.6052632
A_55_P2086	1066.5 Detected	1126.9 Detected	1339.7 Detected	2735.3 Detected	Sp140	2.564744491	1.25616503	2.42727837	1.1888366
A_55_P2002	98.7 Detected	146.4 Detected	397.1 Detected	253.1 Detected	Aifm3	2.564336373	4.02330294	1.72882514	2.7124317
A_51_P4324	3.9 Not Detect	4.1 Not Detect	45.9 Detected	10 Not Detect	Fgfr2	2.564102564	11.7692308	2.43902439	11.195122
A_55_P1980	127.2 Detected	125.7 Detected	124.4 Detected	326.1 Detected	Cbx7	2.563679245	0.97798742	2.59427208	0.9896579
A_55_P2334	35.6 Detected	37.9 Detected	36.5 Detected	91.2 Detected	4933428C20Rik	2.561797753	1.0252809	2.40633245	0.9630607
A_52_P1841	6268.4 Detected	8325.1 Detected	11487.7 Detected	16052.1 Detected	Mthfd2	2.560797014	1.83263672	1.92815702	1.3798873
A_55_P1991	170.8 Detected	161 Detected	262.7 Detected	437.2 Detected	Gm10910	2.55971897	1.53805621	2.71552795	1.631677
A_55_P2159	10491.1 Detected	13326.5 Detected	27253.7 Detected	26847.9 Detected	Reep6	2.559112009	2.59779241	2.014625	2.0450756
A_55_P2139	3479.8 Detected	5044.1 Detected	4838.8 Detected	8904.9 Detected	B3gnt3	2.559026381	1.39053969	1.76540909	0.959299
A_55_P2055	8006.2 Detected	2959.4 Detected	13033.8 Detected	20480 Detected	Slc16a6	2.558017536	1.62796333	6.92032169	4.4042036
A_51_P2722	3674.5 Detected	5019.5 Detected	13768.6 Detected	9396.2 Detected	Cmb1	2.557137025	3.74706763	1.87193944	2.7430222
A_55_P1975	43.7 Detected	31.2 Detected	42 Detected	111.7 Detected	Rhox2e	2.556064073	0.9610984	3.58012821	1.3461538
A_51_P4634	7043.4 Detected	11493.9 Detected	9907.9 Detected	18001.4 Detected	Elovl6	2.555782719	1.40669279	1.56616988	0.8620138
A_52_P4027	61.4 Detected	446.3 Detected	158.1 Detected	156.8 Detected	Prom1	2.553745928	2.57491857	0.35133318	0.354246
A_52_P1709	632.7 Detected	1168 Detected	1818.8 Detected	1614.9 Detected	Mpp7	2.5523945	2.87466414	1.38261986	1.5571918
A_52_P2297	728.7 Detected	1133.7 Detected	1271 Detected	1859.4 Detected	Ptgr2	2.551667353	1.744202	1.64011643	1.1211079
A_55_P2100	59.5 Detected	196.7 Detected	814.3 Detected	151.8 Detected	Ptgd5	2.551260504	13.6857143	0.7717336	4.1398068
A_51_P2784	736.4 Detected	1411.8 Detected	1372.9 Detected	1877.7 Detected	3830406C13Rik	2.549837045	1.86434003	1.33000425	0.9724465
A_51_P2790	415.2 Detected	901 Detected	162.2 Detected	1058.2 Detected	Ppargc1a	2.548651252	0.39065511	1.17447281	0.1800222
A_55_P1988	348.3 Detected	561.9 Detected	585.9 Detected	887.5 Detected	Upp1	2.548090726	1.68217054	1.57946254	1.0427122
A_51_P1167	14.6 Detected	21.1 Detected	7.4 Not Detect	37.2 Not Detect	Crygc	2.547945205	0.50684932	1.76303318	0.3507109
A_52_P2576	201.5 Detected	635.9 Detected	429.6 Detected	513.3 Detected	Rwdd3	2.547394541	2.13200993	0.80720239	0.6755779

A_55_P1998	42360.6	Detected	76974.4	Detected	94369.3	Detected	107847.1	Detected	Capg	2.545929472	2.22776117	1.4010775	1.2259829
A_66_P1363	7.7	Not Detect	16.7	Not Detect	20.9	Detected	19.6	Not Detect	Bmpr1b	2.545454545	2.71428571	1.17365269	1.251497
A_55_P2103	81.9	Detected	140.6	Detected	99.9	Detected	207.9	Detected	Ccr8	2.538461538	1.21978022	1.47866287	0.7105263
A_52_P5799	561.2	Detected	183.4	Detected	852	Detected	1423.8	Detected	Slc16a6	2.537063435	1.51817534	7.76335878	4.6455834
A_66_P1361	33.8	Detected	45.6	Detected	42.3	Detected	85.7	Detected	Lefty2	2.535502959	1.25147929	1.87938596	0.9276316
A_55_P1979	17.6	Detected	63.3	Detected	46.3	Detected	44.6	Not Detect	Prcp	2.534090909	2.63068182	0.70458136	0.7314376
A_51_P2040	4365.3	Detected	6723.5	Detected	6012.6	Detected	11056.2	Detected	Hk2	2.53274689	1.37736238	1.64441139	0.8942664
A_55_P2111	94.8	Detected	99.1	Detected	160.3	Detected	240.1	Detected	Prss35	2.532700422	1.69092827	2.42280525	1.617558
A_51_P3248	4669.7	Detected	1468.3	Detected	12503.5	Detected	11821.1	Detected	Evpl	2.531447416	2.677581	8.05087516	8.5156303
A_51_P3079	17055.7	Detected	21122.7	Detected	31462.2	Detected	43151.9	Detected	Krt13	2.5300574	1.84467363	2.04291592	1.4894971
A_55_P2185	28.3	Detected	15	Not Detect	37	Detected	71.6	Detected	Ascl3	2.530035336	1.30742049	4.77333333	2.4666667
A_52_P9383	2426.6	Detected	2684.5	Detected	997	Detected	6136.3	Detected	Mme	2.528764526	0.41086294	2.28582604	0.3713913
A_55_P2024	21	Detected	17.2	Detected	18	Detected	53.1	Detected	Vmn1r62	2.528571429	0.85714286	3.0872093	1.0465116
A_55_P1987	673.6	Detected	608.6	Detected	473.2	Detected	1702.3	Detected	Chpf2	2.527167458	0.70249406	2.79707525	0.7775222
A_51_P2651	332.8	Detected	342.2	Detected	318.1	Detected	840.6	Detected	Arhgef10	2.525841346	0.95582933	2.45645821	0.9295733
A_52_P2201	277.7	Detected	218.7	Detected	444.2	Detected	701.2	Detected	5830454E08Rik	2.525027008	1.59956788	3.20621856	2.0310928
A_51_P4551	4	Not Detect	3.6	Not Detect	64	Detected	10.1	Not Detect	Prl4a1	2.525	16	2.80555556	17.777778
A_55_P1992	20.2	Detected	36	Detected	38	Detected	51	Detected	Ptpru	2.524752475	1.88118812	1.41666667	1.0555556
A_55_P1959	42604.8	Detected	45043.5	Detected	84805.4	Detected	107531.2	Detected	Asns	2.523922187	1.99051281	2.38727452	1.8827445
A_55_P2429	658.7	Detected	1818.8	Detected	1680.1	Detected	1662.5	Detected	Psrc1	2.523910733	2.55063003	0.91406422	0.9237409
A_55_P2077	19.1	Detected	47.2	Detected	31.5	Detected	48.2	Detected	Prkag3	2.523560209	1.64921466	1.02118644	0.6673729
A_55_P1963	8.6	Not Detect	13.8	Not Detect	33.5	Detected	21.7	Not Detect	Chchd7	2.523255814	3.89534884	1.57246377	2.4275362
A_55_P2073	428.6	Detected	166.7	Detected	100.7	Detected	1079.5	Compromis	Unc79	2.518665422	0.234951	6.47570486	0.6040792
A_52_P9505	16.2	Detected	54.7	Detected	25.5	Detected	40.8	Not Detect	Rsph10b	2.518518519	1.57407407	0.74588665	0.4661792
A_51_P3965	323.2	Detected	788.4	Detected	279.1	Detected	813.8	Detected	Plod2	2.517945545	0.86355198	1.03221715	0.3540081
A_55_P2063	14.9	Not Detect	25.4	Detected	28.4	Detected	37.5	Not Detect	Tnk2os	2.516778523	1.90604027	1.47637795	1.1181102
A_55_P2108	355.6	Detected	444.5	Detected	459.4	Detected	894.5	Detected	Nufip1	2.515466817	1.29190101	2.01237345	1.0335208
A_55_P1968	90.2	Detected	258.6	Detected	190.1	Detected	226.8	Detected	Cradd	2.514412417	2.1075388	0.87703016	0.7351121
A_52_P4940	3.5	Not Detect	45.2	Detected	4.4	Not Detect	8.8	Not Detect	Gm14047	2.514285714	1.25714286	0.19469027	0.0973451
A_51_P1216	7.2	Not Detect	17.4	Detected	21.4	Detected	18.1	Not Detect	4930546C10Rik	2.513888889	2.97222222	1.04022989	1.2298851
A_55_P2029	300.7	Detected	427.1	Detected	284.8	Detected	755.8	Detected	Pde4a	2.513468573	0.94712338	1.76960899	0.6668228
A_55_P2011	307.2	Detected	168.1	Detected	1255.2	Detected	772.1	Detected	Pdk2	2.513346354	4.0859375	4.59309935	7.4669839
A_55_P2146	38.6	Detected	67.6	Detected	16.9	Detected	97	Detected	Gm10808	2.512953368	0.43782383	1.43491124	0.25
A_51_P4987	865.3	Detected	848.2	Detected	1081.4	Detected	2174	Detected	Cacna2d1	2.512423437	1.24973997	2.56307475	1.2749352
A_55_P2042	61.7	Detected	39.8	Detected	85.6	Detected	154.7	Detected	Gm3004	2.507293355	1.38735818	3.88693467	2.1507538
A_55_P2150	34.7	Detected	22.7	Detected	37	Detected	87	Detected	Foxo3	2.507204611	1.06628242	3.83259912	1.6299559
A_55_P2022	1583.3	Detected	2916.7	Detected	6261.2	Detected	3967.6	Detected	Exoc3l4	2.505905387	3.95452536	1.36030445	2.1466726
A_55_P2153	18.4	Detected	10.5	Not Detect	49.3	Detected	46.1	Detected	Fmo1	2.505434783	2.67934783	4.39047619	4.6952381
A_51_P3155	12019.7	Detected	14760.2	Detected	32678.6	Detected	30069.1	Detected	Nars	2.501651456	2.71875338	2.03717429	2.2139673
A_55_P2148	694.4	Detected	697.6	Detected	776.9	Detected	1737.1	Detected	Nipal3	2.501584101	1.1188076	2.49010894	1.1136755

A_52_P4639	30 Detected	27.6 Detected	38.1 Detected	75 Detected	Krtap16-3	2.5	1.27	2.7173913	1.3804348
A_51_P1140	5.6 Not Detect	28 Detected	18.6 Detected	14 Not Detect	Gstm7	2.5	3.32142857	0.5	0.6642857
A_55_P2131	93.2 Detected	40.2 Detected	167.5 Detected	232.9 Detected	Ttc39a	2.498927039	1.7972103	5.79353234	4.1666667
A_55_P2159	283.3 Detected	223.4 Detected	137.4 Detected	707.8 Detected	Adamts4	2.498411578	0.48499824	3.16830797	0.6150403
A_51_P3736	167.4 Detected	196.9 Detected	228.2 Detected	418.2 Detected	Maml2	2.498207885	1.36320191	2.12392077	1.1589639
A_55_P2050	1969.7 Detected	1895.7 Detected	1745.3 Detected	4918.6 Detected	Prmp5	2.497131543	0.88607402	2.59460885	0.9206626
A_55_P2363	2293.4 Detected	3516 Detected	3254.2 Detected	5726.8 Detected	Cmtm4	2.497078573	1.41894131	1.62878271	0.9255404
A_52_P2601	95.5 Detected	123.8 Detected	132.5 Detected	238.4 Detected	Man1a	2.496335079	1.38743455	1.92568659	1.0702746
A_52_P6674	308.9 Detected	285.2 Detected	479.8 Detected	771 Detected	Fyco1	2.495953383	1.55325348	2.70336606	1.6823282
A_51_P1915	12630.6 Detected	10297.3 Detected	28714.5 Detected	31521.9 Detected	Stard10	2.495677165	2.27340744	3.06118109	2.7885465
A_51_P3616	86.7 Detected	136.8 Detected	85.8 Detected	216.3 Detected	Hist2h2bb	2.494809689	0.98961938	1.58114035	0.627193
A_55_P2405	225.7 Detected	431.4 Detected	245.3 Detected	562.5 Detected	BC023202	2.492246345	1.08684094	1.3038943	0.5686138
A_55_P2149	151.8 Detected	453.2 Detected	531.3 Detected	378.3 Detected	Sdr39u1	2.492094862	3.5	0.8347308	1.1723301
A_55_P2184	330.3 Detected	580.5 Detected	547.2 Detected	822.9 Detected	Eif2s1	2.491371148	1.65667575	1.41757106	0.9426357
A_66_P1147	19.8 Detected	49.5 Detected	30.1 Detected	49.3 Not Detect	Pdp2	2.48989899	1.52020202	0.9959596	0.6080808
A_51_P3151	16.6 Detected	24.2 Detected	28.9 Detected	41.3 Not Detect	Letm1	2.487951807	1.74096386	1.70661157	1.1942149
A_51_P1551	22721.3 Detected	20282.5 Detected	20267.3 Detected	56513.4 Detected	Ank	2.487243248	0.89199562	2.78631332	0.9992506
A_52_P6551	319.4 Detected	329.6 Detected	1013.1 Detected	794.4 Detected	Nlrc4	2.487163431	3.17188478	2.41019417	3.0737257
A_55_P2017	3.7 Not Detect	3.4 Not Detect	115.8 Detected	9.2 Not Detect	Fank1	2.486486486	31.2972973	2.70588235	34.058824
A_66_P1328	140.1 Detected	210 Detected	222.3 Detected	348 Detected	B930049P21Rik	2.483940043	1.58672377	1.65714286	1.0585714
A_51_P4879	48.8 Detected	118.9 Detected	113.6 Detected	121.2 Detected	Rin1	2.483606557	2.32786885	1.01934399	0.9554247
A_51_P1333	1654.3 Detected	2806 Detected	3041.6 Detected	4105.4 Detected	Scly	2.481653872	1.83860243	1.46307912	1.0839629
A_55_P2005	17772.3 Detected	21633.6 Detected	38290.5 Detected	44087.5 Detected	Pepd	2.480686236	2.15450448	2.03791787	1.7699551
A_55_P2162	124.9 Detected	170.5 Detected	178.6 Detected	309.8 Detected	Txndc9	2.480384307	1.42994396	1.8170088	1.0475073
A_51_P3996	371.2 Detected	491 Detected	545.7 Detected	920.7 Detected	Zkscan14	2.480334052	1.47009698	1.87515275	1.1114053
A_55_P2313	20 Detected	24.1 Detected	38.1 Detected	49.6 Not Detect	4930509E22Rik	2.48	1.905	2.05809129	1.5809129
A_55_P1998	12.5 Not Detect	17.6 Detected	23.7 Detected	31 Not Detect	9130015A21Rik	2.48	1.896	1.76136364	1.3465909
A_55_P2100	48.2 Detected	31.2 Detected	69.6 Detected	119.5 Detected	Mapt	2.479253112	1.4439834	3.83012821	2.2307692
A_55_P1977	29749.8 Detected	25359.3 Detected	84329 Detected	73739.5 Detected	Eno3	2.478655319	2.83460729	2.90778925	3.3253678
A_51_P3144	58.3 Detected	100.8 Detected	52.3 Detected	144.5 Detected	Polr3h	2.478559177	0.89708405	1.43353175	0.5188492
A_51_P5072	10872.2 Detected	12224.2 Detected	15402.9 Detected	26942.1 Detected	Klf5	2.478072515	1.41672339	2.20399699	1.2600334
A_55_P1964	24.9 Detected	28.7 Detected	22 Detected	61.7 Detected	4932411N23Rik	2.477911647	0.88353414	2.14982578	0.7665505
A_55_P1999	1912.7 Detected	2935.1 Detected	3257.5 Detected	4738.5 Detected	Nudt6	2.477387986	1.70308987	1.6144254	1.1098429
A_55_P2099	1120.6 Detected	1245.1 Detected	2321 Detected	2776 Detected	H2afj	2.477244333	2.07121185	2.2295398	1.8641073
A_55_P1985	4.2 Not Detect	24 Detected	9.1 Not Detect	10.4 Not Detect	Speer1-ps1	2.476190476	2.16666667	0.43333333	0.3791667
A_55_P2153	270.6 Detected	551.7 Detected	331.8 Detected	669.7 Detected	Zfp655	2.474870658	1.22616408	1.21388436	0.6014138
A_51_P3462	157 Detected	108.2 Detected	118.7 Detected	388.5 Detected	Arhgap33	2.474522293	0.75605096	3.59057301	1.0970425
A_55_P1968	3.8 Not Detect	18.8 Detected	3.4 Not Detect	9.4 Not Detect	Gprc5c	2.473684211	0.89473684	0.5	0.1808511
A_55_P2115	186.2 Detected	161.8 Detected	209.9 Detected	460.4 Detected	Kif1c	2.472610097	1.12728249	2.84548826	1.2972806
A_51_P5197	9895.3 Detected	12819.8 Detected	17062.6 Detected	24461 Detected	Rusc1	2.471981648	1.72431356	1.90806409	1.3309568

A_55_P2146	97.7 Detected	140.1 Detected	179.7 Detected	241.5 Detected	1810011O10Rik	2.47185261	1.83930399	1.72376874	1.2826552
A_51_P5055	5714.7 Detected	13099.2 Detected	7087 Detected	14121.8 Detected	Hist1h4i	2.471135843	1.24013509	1.07806584	0.5410254
A_51_P4090	15.3 Detected	36.1 Detected	51.8 Detected	37.8 Not Detect	Comp	2.470588235	3.38562092	1.04709141	1.434903
A_55_P2000	839.5 Detected	2512 Detected	3191.5 Detected	2071.4 Detected	Sdr39u1	2.467421084	3.80166766	0.82460191	1.2705016
A_55_P2017	289.8 Detected	616.2 Detected	388.8 Detected	715 Detected	Dand5	2.467218772	1.34161491	1.16033755	0.630964
A_55_P2128	7477.3 Detected	9322.3 Detected	11108.4 Detected	18442.3 Detected	Pbxip1	2.46643842	1.48561647	1.97829935	1.1915943
A_55_P2138	903 Detected	917.2 Detected	1822.5 Detected	2226.7 Detected	Tpk1	2.465891473	2.01827243	2.42771478	1.9870257
A_65_P1354	41.1 Detected	104.3 Detected	57.6 Detected	101.3 Detected	Ints10	2.464720195	1.40145985	0.97123682	0.5522531
A_55_P2017	4403.2 Detected	8311.8 Detected	5801.1 Detected	10850.7 Detected	Fuk	2.464275981	1.31747366	1.3054573	0.6979355
A_55_P2008	1968.2 Detected	2841.3 Detected	3684 Detected	4849.2 Detected	Pcx	2.463774007	1.871761	1.70668356	1.2965896
A_51_P3979	20.5 Detected	21.7 Detected	11.3 Not Detect	50.5 Detected	Grin3b	2.463414634	0.55121951	2.32718894	0.5207373
A_55_P2042	75.1 Detected	76.3 Detected	48.2 Detected	185 Detected	Krtap26-1	2.463382157	0.64181092	2.42463958	0.6317169
A_51_P1692	24.1 Detected	18.6 Detected	23 Detected	59.3 Detected	Olf190	2.460580913	0.95435685	3.18817204	1.2365591
A_52_P1683	109.7 Detected	141.1 Detected	249.3 Detected	269.9 Detected	Mia2	2.460346399	2.27256153	1.91282778	1.766832
A_51_P3638	18.5 Detected	12.6 Not Detect	16.8 Detected	45.5 Detected		2.459459459	0.90810811	3.61111111	1.3333333
A_55_P2031	18.5 Detected	26.3 Detected	29.2 Detected	45.5 Not Detect	Gm3032	2.459459459	1.57837838	1.73003802	1.1102662
A_55_P2051	419 Detected	701.8 Detected	342.6 Detected	1030.5 Detected	Tet2	2.459427208	0.8176611	1.46836706	0.4881733
A_55_P1960	1879.9 Detected	1012.2 Detected	1934.7 Detected	4622.1 Detected	Egln3	2.458694611	1.02915049	4.56639004	1.9113811
A_52_P3870	4369.7 Detected	2230.4 Detected	4067.8 Detected	10743.7 Detected	Egln3	2.458681374	0.93091059	4.81693867	1.8237984
A_52_P3737	492.8 Detected	674.3 Detected	702.3 Detected	1211.5 Detected	Zdhc3	2.458400974	1.42512175	1.79667804	1.0415245
A_51_P3136	291.1 Detected	237.8 Detected	599.7 Detected	715.4 Detected	Slc26a6	2.457574717	2.0601168	3.00841043	2.5218671
A_52_P4946	530.6 Detected	833 Detected	871.2 Detected	1303.5 Detected	Nr4a2	2.456652846	1.64191481	1.56482593	1.0458583
A_55_P2228	30.2 Detected	150.8 Detected	22.1 Detected	74.1 Detected	BC024137	2.453642384	0.73178808	0.49137931	0.1465517
A_51_P2208	92 Detected	176 Detected	114.4 Detected	225.7 Detected	Gdf9	2.45326087	1.24347826	1.28238636	0.65
A_55_P2230	14.6 Not Detect	35.1 Detected	34.7 Detected	35.8 Not Detect	5033403F01Rik	2.452054795	2.37671233	1.01994302	0.988604
A_55_P1970	57.7 Detected	403.6 Detected	3.8 Not Detect	141.4 Detected	Hdac9	2.450606586	0.06585789	0.35034688	0.0094153
A_55_P2096	3128.1 Detected	4300.1 Detected	6874.1 Detected	7661.1 Detected	Elmod3	2.449122471	2.19753205	1.78160973	1.5985907
A_55_P1981	91.2 Detected	108.3 Detected	156.8 Detected	223.3 Detected	5430410E06Rik	2.448464912	1.71929825	2.06186519	1.4478301
A_55_P1993	88.2 Detected	65.1 Detected	51 Detected	215.8 Detected	Speer4c	2.446712018	0.57823129	3.31490015	0.7834101
A_55_P2120	4762.1 Detected	3518.2 Detected	6800.6 Detected	11648.2 Detected	Ssh3	2.446021713	1.42806745	3.31084077	1.9329771
A_51_P4085	188 Detected	314.3 Detected	394.3 Detected	459.8 Detected	Enpp1	2.445744681	2.09734043	1.4629335	1.2545339
A_51_P5005	1622.1 Detected	2151.4 Detected	1844.6 Detected	3966.8 Detected	Mfsd1	2.445471919	1.13716787	1.84382263	0.8573952
A_55_P2157	19.1 Detected	29.2 Detected	21.1 Detected	46.7 Detected	Rspry1	2.445026178	1.10471204	1.59931507	0.7226027
A_55_P2094	20.5 Detected	23.3 Detected	33 Detected	50.1 Not Detect	Dnase113	2.443902439	1.6097561	2.15021459	1.416309
A_52_P5047	231.6 Detected	551.5 Detected	286 Detected	565.8 Detected	Epha7	2.443005181	1.23488774	1.02592928	0.5185857
A_55_P1952	8455.7 Detected	10401.4 Detected	16312.7 Detected	20655.9 Detected	Pnp0	2.442837376	1.92919569	1.9858769	1.5683177
A_55_P1952	376.8 Detected	831.9 Detected	222.4 Detected	920.4 Detected	Arid3a	2.442675159	0.59023355	1.10638298	0.2673398
A_55_P2109	23380.2 Detected	41772 Detected	45908.9 Detected	57087.1 Detected	Hist1h2bc	2.4416857	1.96358029	1.36663555	1.0990352
A_55_P2166	119.1 Detected	23.5 Detected	20.1 Detected	290.8 Detected	Flt1	2.441645676	0.16876574	12.3744681	0.8553191
A_55_P2054	28.6 Detected	57.6 Detected	25.8 Detected	69.8 Detected	Gm12359	2.440559441	0.9020979	1.21180556	0.4479167

A_55_P2007	2966.6	Detected	3013	Detected	5225.8	Detected	7238.3	Detected	Alkbh8	2.439931234	1.7615452	2.40235646	1.7344175
A_55_P2031	4738.8	Detected	8746	Detected	6379.5	Detected	11559.2	Detected	Fuk	2.439267325	1.34622689	1.32165561	0.7294192
A_51_P1402	4.1	Not Detect	14.1	Not Detect	19.4	Detected	10	Not Detect	1700029H14Rik	2.43902439	4.73170732	0.70921986	1.3758865
A_51_P3550	417.2	Detected	414.6	Detected	571.4	Detected	1017.3	Detected	Nsun3	2.438398849	1.3696069	2.4536903	1.3781959
A_52_P3012	1022.9	Detected	976.8	Detected	1403.8	Detected	2493.7	Detected	Brwd1	2.437872715	1.37237267	2.55292793	1.4371417
A_51_P2857	19.2	Detected	14.7	Detected	9.5	Not Detect	46.8	Detected	Asphd2	2.4375	0.49479167	3.18367347	0.6462585
A_55_P2161	299.3	Detected	316.6	Detected	423.2	Detected	729.4	Detected	Gm10516	2.437019713	1.41396592	2.30385344	1.3367025
A_52_P1173	387.3	Detected	623.6	Detected	707.4	Detected	943.2	Detected	Tlr6	2.435321456	1.82649109	1.51250802	1.134381
A_55_P2092	812.5	Detected	1420.7	Detected	757.2	Detected	1978	Detected	Ctbs	2.434461538	0.93193846	1.39227142	0.5329767
A_51_P1003	98.6	Detected	207.5	Detected	74.5	Detected	239.9	Detected	Tap1	2.43306288	0.75557809	1.15614458	0.3590361
A_55_P2046	7693.7	Detected	8800	Detected	5633.2	Detected	18715.4	Detected	Foxq1	2.432561706	0.73218347	2.12675	0.6401364
A_51_P1499	67.4	Detected	107.8	Detected	75.1	Detected	163.9	Detected	Letm2	2.431750742	1.11424332	1.52040816	0.6966605
A_51_P4160	515.2	Detected	672.7	Detected	483.9	Detected	1252.8	Detected	Dirc2	2.431677019	0.93924689	1.86234577	0.71934
A_51_P4501	6.5	Not Detect	6.5	Not Detect	22.1	Detected	15.8	Not Detect	Dnajb13	2.430769231	3.4	2.43076923	3.4
A_51_P2130	733	Detected	883.9	Detected	1602	Detected	1781.2	Detected	Macrod1	2.430013643	2.18553888	2.01516009	1.8124222
A_55_P2025	900.3	Detected	640.7	Detected	1491.7	Detected	2186.9	Detected	Mxd1	2.429079196	1.65689215	3.41329796	2.3282347
A_55_P2170	13.3	Not Detect	15.9	Detected	15.2	Not Detect	32.3	Not Detect	Catsperd	2.428571429	1.14285714	2.03144654	0.9559748
A_66_P1017	41.8	Detected	75.9	Detected	76.9	Detected	101.5	Detected	Adam4	2.428229665	1.83971292	1.3372859	1.0131752
A_55_P2085	1629.6	Detected	2032.3	Detected	4511.7	Detected	3956.5	Detected	Ifi27I2b	2.427896416	2.76859352	1.94680903	2.219997
A_55_P2036	15.2	Detected	18.1	Detected	17.9	Detected	36.9	Not Detect	Ifna11	2.427631579	1.17763158	2.03867403	0.9889503
A_66_P1188	372.4	Detected	949.7	Detected	321.7	Detected	903.6	Detected	2310034G01Rik	2.426423201	0.86385607	0.95145836	0.3387385
A_55_P2118	10.1	Not Detect	24.5	Detected	15.8	Not Detect	24.5	Not Detect	Zfp882	2.425742574	1.56435644	1	0.644898
A_55_P2123	75.4	Detected	173.7	Detected	64.1	Detected	182.8	Detected	2310034G01Rik	2.424403183	0.85013263	1.05238918	0.3690271
A_55_P2074	50.5	Detected	78.6	Detected	91.5	Detected	122.3	Detected	Ephx4	2.421782178	1.81188119	1.55597964	1.1641221
A_55_P2009	5929.2	Detected	7455.5	Detected	7923.9	Detected	14358.2	Detected	Rnu3b1	2.421608311	1.33641975	1.9258534	1.0628261
A_55_P1981	68.2	Detected	106.6	Detected	74.2	Detected	165.1	Detected	Grhl2	2.420821114	1.08797654	1.54878049	0.69606
A_55_P2047	2996.5	Detected	3977.1	Detected	6308.5	Detected	7252	Detected	Elmod3	2.42015685	2.1052895	1.82343919	1.586206
A_55_P2057	29.1	Detected	22.9	Detected	24.4	Detected	70.4	Detected	Pou2f2	2.419243986	0.83848797	3.07423581	1.0655022
A_52_P4097	431.3	Detected	885.4	Detected	2214.1	Detected	1043.1	Detected	Scamp5	2.418502203	5.13354973	1.17811159	2.5006777
A_66_P1101	20.8	Detected	19.6	Detected	13.8	Not Detect	50.3	Detected	5330434G04Rik	2.418269231	0.66346154	2.56632653	0.7040816
A_51_P4281	23.8	Detected	308	Detected	5.7	Not Detect	57.5	Detected	Lrig3	2.415966387	0.2394958	0.18668831	0.0185065
A_51_P1795	4.1	Not Detect	25.4	Detected	3.6	Not Detect	9.9	Not Detect	Gbx2	2.414634146	0.87804878	0.38976378	0.1417323
A_55_P1960	300.2	Detected	274	Detected	349.8	Detected	724.6	Detected	Tmem80	2.413724184	1.16522318	2.64452555	1.2766423
A_52_P5546	22	Detected	30.1	Detected	28.3	Detected	53.1	Detected	Gm9725	2.413636364	1.28636364	1.7641196	0.9401993
A_55_P2058	2446.4	Detected	3607.8	Detected	2094	Detected	5902.4	Detected	Pde4dip	2.412688031	0.8559516	1.63601087	0.5804091
A_51_P4914	366.7	Detected	185.6	Detected	402.3	Detected	884	Detected	Cst13	2.410689937	1.09708208	4.76293103	2.1675647
A_52_P2729	30.2	Detected	53.6	Detected	48.7	Detected	72.8	Detected	Fbxl12os	2.410596026	1.61258278	1.35820896	0.9085821
A_66_P1110	91.1	Detected	93.2	Detected	128	Detected	219.6	Detected	Prlh	2.41053787	1.4050494	2.35622318	1.3733906
A_52_P2138	9.5	Not Detect	5.1	Not Detect	116.5	Detected	22.9	Not Detect	Tmc7	2.410526316	12.2631579	4.49019608	22.843137
A_55_P1965	71.2	Detected	98.9	Detected	155.4	Detected	171.6	Detected	Fbxl3	2.41011236	2.18258427	1.73508595	1.5712841

A_55_P2050	1272.8	Detected	1359	Detected	1216.5	Detected	3067	Detected	Prmp5	2.40964802	0.95576681	2.25680648	0.8951435
A_55_P1961	219	Detected	469.9	Detected	312.2	Detected	527.5	Detected	Vps53	2.408675799	1.42557078	1.12257927	0.6643967
A_55_P2142	1912.3	Detected	3660.1	Detected	2443	Detected	4604.6	Detected	Gm13770	2.407885792	1.27751922	1.25805306	0.6674681
A_51_P4388	3671.7	Detected	3253.1	Detected	5361.2	Detected	8841	Detected	Txnip	2.40787646	1.46014108	2.71771541	1.648028
A_55_P2051	5325.6	Detected	4354.1	Detected	10765.1	Detected	12817.4	Detected	Sult2b1	2.406752291	2.02138726	2.94375416	2.4724053
A_52_P1095	3.7	Not Detect	21.7	Detected	3.2	Not Detect	8.9	Not Detect	Map7	2.405405405	0.86486486	0.41013825	0.1474654
A_51_P1595	2336.6	Detected	2991.6	Detected	2583.9	Detected	5619.8	Detected	Rnf213	2.405118548	1.10583754	1.87852654	0.8637184
A_55_P2145	302.1	Detected	324.6	Detected	268.3	Detected	726.5	Detected	Flt3l	2.404832837	0.88811652	2.23813925	0.8265558
A_52_P661	291.3	Detected	312.4	Detected	34.6	Detected	700.4	Detected	Plxna4	2.404394095	0.11877789	2.24199744	0.1107554
A_51_P3377	68.6	Detected	146.2	Detected	134.1	Detected	164.9	Detected	Ovgp1	2.403790087	1.9548105	1.12790698	0.9172367
A_52_P6744	53	Detected	67.3	Detected	60.4	Detected	127.4	Detected	Arih1	2.403773585	1.13962264	1.89301634	0.897474
A_66_P1287	40.6	Detected	72.3	Detected	50.1	Detected	97.5	Detected	BC106175	2.401477833	1.23399015	1.34854772	0.6929461
A_55_P2006	12	Not Detect	20.8	Detected	12.9	Not Detect	28.8	Not Detect	Pcdhac1	2.4	1.075	1.38461538	0.6201923
A_55_P2049	14459.5	Detected	13881.4	Detected	25890.9	Detected	34699.3	Detected	Slc9a1	2.399757945	1.79058059	2.49969744	1.8651505
A_52_P2376	271.8	Detected	355.7	Detected	380.5	Detected	651.8	Detected	2610035D17Rik	2.398086829	1.39992642	1.83244307	1.0697217
A_51_P2707	1693.7	Detected	6805.2	Detected	4049.8	Detected	4061.6	Detected	Syngn1	2.398063411	2.39109642	0.59683771	0.5951037
A_51_P3194	2225.3	Detected	2626.9	Detected	3130.5	Detected	5334.5	Detected	Acat1	2.397204871	1.40677661	2.03072062	1.1917089
A_55_P2093	3.8	Not Detect	5.8	Not Detect	191	Detected	9.1	Not Detect	LOC100862557	2.394736842	50.2631579	1.56896552	32.931034
A_55_P2033	144.5	Detected	286.9	Detected	132	Detected	345.9	Detected	Cdcp1	2.393771626	0.91349481	1.20564657	0.4600906
A_51_P2621	1084	Detected	1766.2	Detected	1635.2	Detected	2593.9	Detected	Ddx19b	2.392896679	1.50848708	1.46863322	0.9258295
A_55_P1954	152.1	Detected	330.6	Detected	254.9	Detected	363.9	Detected	Mapt	2.392504931	1.67587114	1.10072595	0.7710224
A_52_P4133	15.3	Detected	24.6	Detected	23.9	Detected	36.6	Not Detect	Ppef2	2.392156863	1.5620915	1.48780488	0.9715447
A_55_P1990	22.2	Detected	36.5	Detected	40.4	Detected	53.1	Detected	Gm5820	2.391891892	1.81981982	1.45479452	1.1068493
A_55_P2093	8406.7	Detected	10689	Detected	12649.2	Detected	20104.8	Detected	Pbxip1	2.391521049	1.504657	1.88088689	1.1833848
A_66_P1211	4.1	Not Detect	3.5	Not Detect	31.8	Detected	9.8	Not Detect	Serpina1d	2.390243902	7.75609756	2.8	9.0857143
A_51_P1368	1506.6	Detected	1866	Detected	2409.7	Detected	3599.9	Detected	Rb1	2.389419886	1.59942918	1.92920686	1.2913719
A_52_P1013	97.2	Detected	483	Detected	754	Detected	232.2	Detected	Tmem130	2.388888889	7.75720165	0.48074534	1.5610766
A_51_P4634	67.9	Detected	175.6	Detected	102	Detected	162	Detected	Pik3ip1	2.385861561	1.50220913	0.92255125	0.5808656
A_55_P1960	475.9	Detected	765.9	Detected	1026.6	Detected	1135.4	Detected	Sorbs2	2.385795335	2.15717588	1.48243896	1.3403839
A_51_P1848	921.1	Detected	1223.8	Detected	967.6	Detected	2197.4	Detected	Elmod2	2.385625882	1.05048312	1.79555483	0.7906521
A_55_P2164	3.9	Not Detect	8.5	Not Detect	73.6	Detected	9.3	Not Detect	Tlx2	2.384615385	18.8717949	1.09411765	8.6588235
A_51_P3031	4224.6	Detected	4373.7	Detected	4796.6	Detected	10070.4	Detected	Fam114a1	2.383752308	1.13539743	2.30248988	1.0966916
A_51_P4780	1201.3	Detected	1613.6	Detected	3358.6	Detected	2862.6	Detected	Papolg	2.382918505	2.79580455	1.77404561	2.0814328
A_55_P2051	20.4	Detected	35.7	Detected	242.6	Detected	48.6	Detected	Rorc	2.382352941	11.8921569	1.36134454	6.7955182
A_55_P2047	255.4	Detected	265.7	Detected	190.2	Detected	608.4	Detected	Ceacam20	2.382145654	0.74471417	2.28980053	0.7158449
A_65_P0614	68.6	Detected	64.5	Detected	209.7	Detected	163.4	Detected	Fgfr3	2.381924198	3.05685131	2.53333333	3.2511628
A_51_P3559	2950.4	Detected	3507.7	Detected	3999.7	Detected	7023.4	Detected	Mvd	2.380490781	1.35564669	2.0022807	1.1402629
A_55_P2311	270.1	Detected	346.8	Detected	206.5	Detected	642.9	Detected	C130045F17Rik	2.380229545	0.76453165	1.85380623	0.5954441
A_66_P1265	853.3	Detected	1329.2	Detected	1657.4	Detected	2029.8	Detected	Ptges3l	2.378764795	1.9423415	1.52708396	1.2469154
A_55_P2037	38.9	Detected	47.9	Detected	64.5	Detected	92.5	Detected	Rph3al	2.377892031	1.65809769	1.93110647	1.3465553

A_52_P5482	6.9 Not Detect	10.8 Not Detect	99.5 Detected	16.4 Not Detect	Gm10030	2.376811594	14.4202899	1.51851852	9.212963
A_51_P2364	655.7 Detected	738.7 Detected	988.9 Detected	1558.3 Detected	Cdkl2	2.376544151	1.50815922	2.10951672	1.3387031
A_55_P2179	2822.5 Detected	5509.5 Detected	3806 Detected	6707.1 Detected	Gatad2a	2.376297609	1.34844996	1.21737	0.6908068
A_51_P4128	18.1 Detected	18.5 Detected	49.5 Detected	43 Not Detect	Dqx1	2.375690608	2.73480663	2.32432432	2.6756757
A_55_P2057	18.9 Detected	37 Detected	9.2 Not Detect	44.9 Not Detect	Ocel1	2.375661376	0.48677249	1.21351351	0.2486486
A_55_P1989	12733.2 Detected	14173.7 Detected	16001.2 Detected	30248 Detected	Sat1	2.375522257	1.2566519	2.13409343	1.128936
A_55_P2093	9.6 Not Detect	53.4 Detected	20.2 Detected	22.8 Not Detect	Casd1	2.375	2.10416667	0.42696629	0.3782772
A_55_P2074	3833.9 Detected	6415.2 Detected	4746.5 Detected	9102.9 Detected	Ppp1r13l	2.374318579	1.23803438	1.4189581	0.7398834
A_52_P5895	8899.7 Detected	7267.9 Detected	17823.3 Detected	21122.9 Detected	Foxo6	2.373439554	2.00268548	2.90632783	2.4523315
A_51_P2584	19.6 Detected	19.4 Detected	29.8 Detected	46.5 Detected	Per3	2.37244898	1.52040816	2.39690722	1.5360825
A_55_P2090	6642.3 Detected	3715.7 Detected	11980.8 Detected	15754.1 Detected	Fam211a	2.37178387	1.80371257	4.23987405	3.2243723
A_66_P1112	1296.9 Detected	2132.3 Detected	1537.9 Detected	3074.1 Detected	Pdp2	2.370344668	1.18582774	1.44168269	0.72124
A_55_P2143	1228.7 Detected	1471.6 Detected	1800.9 Detected	2911.9 Detected	Pbxip1	2.36990315	1.46569545	1.97873063	1.22377
A_55_P2104	37.9 Detected	23.6 Detected	74 Detected	89.8 Detected	Gm5767	2.36939314	1.9525066	3.80508475	3.1355932
A_55_P2024	14.4 Not Detect	36.4 Detected	22.8 Detected	34.1 Not Detect	Gaa	2.368055556	1.58333333	0.93681319	0.6263736
A_55_P2168	125.5 Detected	95.5 Detected	210.5 Detected	297.1 Detected	Slc9a1	2.367330677	1.67729084	3.11099476	2.2041885
A_52_P1110	2732.6 Detected	7718 Detected	999.4 Detected	6468.3 Detected	Pcdh17	2.367086291	0.36573227	0.83807981	0.1294895
A_51_P2588	150.4 Detected	144.9 Detected	170.4 Detected	356 Detected	Klrg2	2.367021277	1.13297872	2.4568668	1.1759834
A_51_P3478	19.1 Detected	6.5 Not Detect	20 Detected	45.2 Not Detect	Irx6	2.366492147	1.04712042	6.95384615	3.0769231
A_55_P1984	140.5 Detected	148.7 Detected	149.3 Detected	332.3 Detected	AB041803	2.365124555	1.06263345	2.23470074	1.004035
A_51_P1094	19.2 Detected	44.4 Detected	42.2 Detected	45.4 Not Detect	Ltb4r1	2.364583333	2.19791667	1.02252252	0.9504505
A_55_P2130	11.8 Not Detect	31.8 Detected	12.4 Not Detect	27.9 Not Detect	Cdh13	2.36440678	1.05084746	0.87735849	0.3899371
A_55_P2386	20.7 Detected	26.3 Detected	33.2 Detected	48.9 Detected	D030020J04Rik	2.362318841	1.60386473	1.85931559	1.2623574
A_52_P4009	972.7 Detected	636.8 Detected	1406.7 Detected	2296 Detected	Arhgap31	2.360440012	1.44618073	3.60552764	2.2090138
A_55_P2018	15 Detected	20.3 Detected	14.7 Not Detect	35.4 Not Detect	Emr1	2.36	0.98	1.74384236	0.7241379
A_55_P2415	11.7 Not Detect	32.2 Detected	17.6 Not Detect	27.6 Not Detect	4930518P08Rik	2.358974359	1.5042735	0.85714286	0.5465839
A_55_P1967	3523.2 Detected	3663 Detected	6318.4 Detected	8308 Detected	Tmem254c	2.35808356	1.79336966	2.26808627	1.7249249
A_65_P0504	1041.1 Detected	1138.2 Detected	1605 Detected	2455 Detected	Ston2	2.358082797	1.54163865	2.15691443	1.4101212
A_52_P4575	31.3 Detected	66.4 Detected	35.1 Detected	73.8 Detected	Slc4a4	2.357827476	1.12140575	1.11144578	0.5286145
A_55_P2126	34.7 Detected	67.5 Detected	29.5 Detected	81.8 Detected	Zfp467	2.357348703	0.85014409	1.21185185	0.437037
A_55_P1984	2836 Detected	3930.2 Detected	2066.4 Detected	6685 Detected	Pde4dip	2.35719323	0.72863188	1.70093125	0.5257748
A_55_P2199	51.6 Detected	127.9 Detected	131.1 Detected	121.6 Detected	9330102E08Rik	2.356589147	2.54069767	0.95074277	1.0250195
A_51_P2372	4.5 Not Detect	3.4 Not Detect	17.9 Detected	10.6 Not Detect	Kcnp2	2.355555556	3.97777778	3.11764706	5.2647059
A_51_P1327	2069.9 Detected	2125.8 Detected	3651 Detected	4875.1 Detected	2310010J17Rik	2.355234552	1.76385333	2.29330135	1.7174711
A_51_P3443	66 Detected	199.9 Detected	64 Detected	155.4 Detected	Gpr162	2.354545455	0.96969697	0.77738869	0.3201601
A_66_P1319	8.2 Not Detect	13.6 Not Detect	17.9 Detected	19.3 Not Detect	Aurkc	2.353658537	2.18292683	1.41911765	1.3161765
A_55_P2413	74.2 Detected	131 Detected	89.5 Detected	174.6 Detected	Rab11fip1	2.35309973	1.20619946	1.33282443	0.6832061
A_55_P1992	5.1 Not Detect	57.7 Detected	4 Not Detect	12 Not Detect	Adrb3	2.352941176	0.78431373	0.20797227	0.0693241
A_52_P1084	9.1 Not Detect	17.6 Detected	22.9 Detected	21.4 Not Detect	Tspear	2.351648352	2.51648352	1.21590909	1.3011364
A_52_P2220	1126.6 Detected	2158.6 Detected	398.3 Detected	2649 Detected	4931428F04Rik	2.351322563	0.35354163	1.22718429	0.1845177

A_55_P2139	353 Detected	273.1 Detected	428.1 Detected	829.4 Detected	Lrrc56	2.349575071	1.21274788	3.03698279	1.5675577
A_55_P2161	18.4 Detected	14.3 Not Detect	20 Detected	43.2 Not Detect	Hif3a	2.347826087	1.08695652	3.02097902	1.3986014
A_51_P3003	27620.6 Detected	38721.8 Detected	74320.6 Detected	64834.2 Detected	Csrp2	2.347313237	2.69076704	1.67435915	1.9193478
A_51_P4903	6028.9 Detected	7451.4 Detected	7544.9 Detected	14149.2 Detected	Ifi30	2.346895785	1.25145549	1.89886464	1.012548
A_55_P2387	24.3 Detected	27.6 Detected	35 Detected	57 Detected	2900024J01Rik	2.345679012	1.44032922	2.06521739	1.2681159
A_52_P6717	63.8 Detected	127.2 Detected	151.1 Detected	149.5 Detected	Acad12	2.343260188	2.36833856	1.17531447	1.1878931
A_52_P1641	105.2 Detected	144.4 Detected	231.8 Detected	246.4 Detected	Arrdc3	2.342205323	2.20342205	1.70637119	1.6052632
A_51_P1759	229.3 Detected	243.5 Detected	265.3 Detected	536.8 Detected	Vps13d	2.341037942	1.15699956	2.20451745	1.0895277
A_52_P9342	22 Detected	42.2 Detected	21.4 Detected	51.5 Detected	Cabin1	2.340909091	0.97272727	1.22037915	0.507109
A_51_P1227	4987.7 Detected	3871.2 Detected	7378.7 Detected	11673.9 Detected	Slc37a3	2.340537723	1.47937927	3.01557657	1.9060498
A_55_P2057	106.9 Detected	79.7 Detected	119.2 Detected	250.2 Detected	1700049G17Rik	2.340505145	1.1150608	3.13927227	1.4956085
A_66_P1317	32.9 Detected	43.3 Detected	35.1 Detected	77 Detected	Vwa5a	2.340425532	1.0668693	1.77829099	0.8106236
A_51_P4668	1037.5 Detected	973.1 Detected	1572.5 Detected	2427.6 Detected	Tyk2	2.339855422	1.51566265	2.49470764	1.6159696
A_52_P2143	17.7 Detected	16.6 Detected	33.5 Detected	41.4 Not Detect	Cst11	2.338983051	1.89265537	2.4939759	2.0180723
A_66_P1198	36 Detected	27.5 Detected	24.3 Detected	84.2 Detected	Ddx17	2.338888889	0.675	3.06181818	0.8836364
A_55_P2081	1337.7 Detected	2065.9 Detected	1076.8 Detected	3127 Detected	Tet2	2.337594378	0.80496374	1.51362602	0.5212256
A_51_P2815	4086.8 Detected	5870.1 Detected	5222.3 Detected	9552.7 Detected	Ppapdc1b	2.337452285	1.27784575	1.62734877	0.8896441
A_55_P1991	17.3 Detected	6.3 Not Detect	3.6 Not Detect	40.4 Not Detect	Gm10276	2.335260116	0.20809249	6.41269841	0.5714286
A_51_P3288	197.2 Detected	165.5 Detected	179.1 Detected	460.4 Detected	Zfp810	2.334685598	0.90821501	2.78187311	1.0821752
A_55_P1985	179.8 Detected	336.7 Detected	238.5 Detected	419.6 Detected	Rad23a	2.333704116	1.32647386	1.24621325	0.7083457
A_55_P2133	24.9 Detected	42.3 Detected	41.4 Detected	58.1 Detected	Kirrel3	2.333333333	1.6626506	1.37352246	0.9787234
A_55_P2050	29.4 Detected	90.2 Detected	15.2 Not Detect	68.6 Detected	Abcc12	2.333333333	0.5170068	0.76053215	0.1685144
A_51_P1456	1657.3 Detected	1763.3 Detected	1144 Detected	3864.9 Detected	Svip	2.332046099	0.69027937	2.19185618	0.6487835
A_55_P2160	147.1 Detected	155.7 Detected	152.9 Detected	343 Detected	Ccdc28b	2.331747111	1.03942896	2.2029544	0.9820167
A_55_P1980	3479.8 Detected	5603 Detected	3032.8 Detected	8113.1 Detected	Zkscan1	2.331484568	0.87154434	1.44799215	0.5412815
A_55_P1956	326.1 Detected	305.8 Detected	396 Detected	760.2 Detected	Rab37	2.331186753	1.21435143	2.48593852	1.294964
A_55_P2155	104.9 Detected	124.2 Detected	136.1 Detected	244.4 Detected	Ssbp1	2.329837941	1.29742612	1.96779388	1.0958132
A_55_P2132	169.1 Detected	173 Detected	187.9 Detected	393.9 Detected	LOC100041708	2.329390893	1.11117682	2.27687861	1.0861272
A_51_P1123	995.6 Detected	1520.2 Detected	2007.8 Detected	2319 Detected	1810011O10Rik	2.329248694	2.01667336	1.52545718	1.3207473
A_55_P2410	84.7 Detected	116.3 Detected	186.3 Detected	197.2 Detected	C030037D09Rik	2.328217237	2.19952774	1.69561479	1.6018917
A_55_P2005	2617.1 Detected	3906.1 Detected	4376.3 Detected	6092.3 Detected	Arhgef10l	2.327882007	1.67219441	1.55968869	1.1203758
A_55_P2415	152.5 Detected	248 Detected	290.9 Detected	355 Detected	9330199F22Rik	2.327868852	1.90754098	1.43145161	1.1729839
A_66_P1303	260.2 Detected	1058 Detected	330.9 Detected	605.5 Detected	A4galt	2.327056111	1.27171407	0.57230624	0.3127599
A_51_P4036	37.4 Detected	48.5 Detected	42.7 Detected	87 Detected	Olf1339	2.326203209	1.14171123	1.79381443	0.8804124
A_51_P2595	1011.7 Detected	1401.4 Detected	1405.7 Detected	2352.8 Detected	Angptl6	2.32559059	1.38944351	1.67889254	1.0030684
A_55_P2246	8.3 Not Detect	6.8 Not Detect	17 Detected	19.3 Not Detect	Tpm3	2.325301205	2.04819277	2.83823529	2.5
A_51_P4887	4 Not Detect	81.8 Detected	3.3 Not Detect	9.3 Not Detect	Zfp612	2.325	0.825	0.11369193	0.0403423
A_65_P0295	5937.1 Detected	6158.1 Detected	9452.9 Detected	13799.5 Detected	Rnf13	2.324282899	1.59217463	2.24086975	1.5350352
A_51_P4166	154.4 Detected	176.1 Detected	240.9 Detected	358.8 Detected	1810058I24Rik	2.323834197	1.56023316	2.03747871	1.3679727
A_52_P6675	105 Detected	96.9 Detected	95.8 Detected	244 Detected	Inadl	2.323809524	0.91238095	2.51805986	0.9886481

A_52_P1214	180.4	Detected	163.8	Detected	294.6	Detected	419.2	Detected	Msrb3	2.323725055	1.63303769	2.55921856	1.7985348
A_55_P2061	26.3	Detected	17.1	Detected	50.5	Detected	61.1	Detected	Tbx6	2.323193916	1.92015209	3.57309942	2.9532164
A_55_P1983	42586.7	Detected	52096.8	Detected	99005.3	Detected	98933.6	Detected	Lsr	2.323110267	2.32479389	1.89903411	1.9004104
A_52_P5906	42.3	Detected	32.7	Detected	33.8	Detected	98.2	Detected	Eef2k	2.321513002	0.79905437	3.0030581	1.0336391
A_55_P2030	53.5	Detected	103.5	Detected	52	Detected	124.2	Detected	Cln3	2.321495327	0.97196262	1.2	0.5024155
A_55_P2026	272.2	Detected	287.6	Detected	320.5	Detected	631.3	Detected	Zmat1	2.319250551	1.17744306	2.19506259	1.114395
A_55_P2319	16	Detected	212.3	Detected	4.5	Not Detect	37.1	Not Detect	9430076C15Rik	2.31875	0.28125	0.17475271	0.0211964
A_52_P1772	37.4	Detected	24.7	Detected	78.2	Detected	86.7	Detected	Mtl5	2.318181818	2.09090909	3.51012146	3.1659919
A_52_P6138	4.1	Not Detect	3.3	Not Detect	29	Detected	9.5	Not Detect	Defb39	2.317073171	7.07317073	2.87878788	8.7878788
A_66_P1067	53.1	Detected	94.2	Detected	143.8	Detected	123	Detected	Adam32	2.316384181	2.70809793	1.30573248	1.5265393
A_55_P2051	2928.6	Detected	3852.6	Detected	6237.4	Detected	6783.1	Detected	Elmod3	2.316157891	2.12982312	1.76065514	1.6190105
A_52_P5810	169.6	Detected	287.9	Detected	364.5	Detected	392.8	Detected	Arhgap42	2.316037736	2.14917453	1.36436263	1.2660646
A_66_P1382	231.7	Detected	433.3	Detected	301	Detected	536.6	Detected	Rdh5	2.315925766	1.29909366	1.23840295	0.6946688
A_55_P2075	2186.2	Detected	2501.7	Detected	2500.1	Detected	5061.6	Detected	Tor3a	2.315250206	1.14358247	2.02326418	0.9993604
A_55_P2175	1631.5	Detected	2388	Detected	1967.2	Detected	3774.9	Detected	Ppapdc1b	2.313760343	1.20576157	1.58077889	0.8237856
A_55_P2124	128.9	Detected	281	Detected	200.9	Detected	298.2	Detected	Mpzl3	2.313421257	1.55857254	1.06120996	0.7149466
A_51_P2142	24.6	Detected	47.7	Detected	53.2	Detected	56.9	Detected	Rnls	2.31300813	2.16260163	1.19287212	1.115304
A_55_P2128	1422.8	Detected	770.6	Detected	1407.5	Detected	3290	Detected	Ociad2	2.312341861	0.98924656	4.26940047	1.8264988
A_55_P2011	26.7	Detected	40	Detected	28.1	Detected	61.7	Detected	LOC101055654	2.310861423	1.05243446	1.5425	0.7025
A_55_P2031	106.2	Detected	273.3	Detected	1070.1	Detected	245.4	Detected	2210404O07Rik	2.310734463	10.0762712	0.89791438	3.9154775
A_55_P2044	260.1	Detected	399.2	Detected	415.9	Detected	600.9	Detected	Fgfbp3	2.310265283	1.59900038	1.50526052	1.0418337
A_52_P1641	4784.7	Detected	7001.3	Detected	5630.5	Detected	11050.6	Detected	Cyp51	2.309570088	1.17677179	1.57836402	0.8042078
A_51_P1176	9660	Detected	9282.5	Detected	18181.2	Detected	22300.3	Detected	Ethe1	2.308519669	1.8821118	2.40240237	1.9586534
A_52_P6187	1769.9	Detected	1687.6	Detected	4604.3	Detected	4084.1	Detected	Ermp1	2.307531499	2.60144641	2.420064	2.7283124
A_55_P2021	4207.2	Detected	3075.7	Detected	5184.7	Detected	9705.5	Detected	Hpse	2.306878684	1.2323398	3.15554183	1.6856976
A_55_P2097	86.1	Detected	159.5	Detected	98.8	Detected	198.6	Detected	Cnep1r1	2.306620209	1.1475029	1.24514107	0.6194357
A_52_P5708	105.4	Detected	185.5	Detected	139.8	Detected	243.1	Detected	Klhl5	2.306451613	1.32637571	1.31051213	0.7536388
A_55_P2077	22.9	Detected	30.5	Detected	28.1	Detected	52.8	Detected	Arhgef4	2.305676856	1.22707424	1.73114754	0.9213115
A_51_P4485	46.8	Detected	56.5	Detected	131.5	Detected	107.9	Detected	Klhl35	2.305555556	2.80982906	1.90973451	2.3274336
A_55_P2119	117.3	Detected	710.6	Detected	67.3	Detected	270.2	Detected	Bdh2	2.303495311	0.57374254	0.38024205	0.0947087
A_52_P1026	1401	Detected	2787.7	Detected	4679	Detected	3225.7	Detected	Ecscr	2.302426838	3.33975732	1.15711877	1.6784446
A_55_P2025	1898.7	Detected	2965.4	Detected	3374.9	Detected	4369.4	Detected	Gphn	2.301258756	1.77747933	1.47346058	1.1380927
A_52_P4608	3893.5	Detected	3184.8	Detected	5892.1	Detected	8954.9	Detected	Mvp	2.299961474	1.51331707	2.81176212	1.8500691
A_55_P1997	463	Detected	1364.9	Detected	784.9	Detected	1064.4	Detected	Klra23	2.298920086	1.69524838	0.77983735	0.5750604
A_51_P4672	1346.6	Detected	2112.7	Detected	2134.7	Detected	3095.1	Detected	Polr3gl	2.298455369	1.58525175	1.4649974	1.0104132
A_52_P6446	798.7	Detected	910.7	Detected	749.6	Detected	1835.7	Detected	Flt3l	2.298359835	0.9385251	2.01570221	0.8231031
A_52_P3896	1454.2	Detected	1373.2	Detected	1286.1	Detected	3341.8	Detected	Sap25	2.298033283	0.8844038	2.43358579	0.9365715
A_51_P3276	804.7	Detected	866.4	Detected	136.6	Detected	1849	Detected	Igsf3	2.297750715	0.1697527	2.13411819	0.1576639
A_55_P2149	6738.5	Detected	3783.1	Detected	12836.6	Detected	15481.2	Detected	Fam211a	2.297425243	1.90496401	4.09219952	3.3931432
A_51_P1799	341.9	Detected	490.1	Detected	758.6	Detected	785.3	Detected	Appl2	2.29687043	2.21877742	1.60232606	1.5478474

A_55_P1978	140.5	Detected	234.8	Detected	314.2	Detected	322.7	Detected	Srgap1	2.296797153	2.23629893	1.37436116	1.3381601
A_55_P2105	410.8	Detected	275.7	Detected	486	Detected	942.9	Detected	Lrrc56	2.295277507	1.18305745	3.42002176	1.7627856
A_55_P2421	127.5	Detected	108.7	Detected	171.2	Detected	292.5	Detected	9130604C24Rik	2.294117647	1.3427451	2.69089236	1.574977
A_52_P6492	1367.5	Detected	1551.3	Detected	2264.4	Detected	3135.1	Detected	Sash1	2.292577697	1.65586837	2.02095017	1.459679
A_55_P1965	988.7	Detected	1087.8	Detected	2117.4	Detected	2266.3	Detected	Cml1	2.292201881	2.14160008	2.0833793	1.9464975
A_55_P2090	4.8	Not Detect	307.9	Detected	3.8	Not Detect	11	Not Detect	Gm19410	2.291666667	0.79166667	0.03572589	0.0123417
A_55_P1980	1526.1	Detected	2911.3	Detected	1845.2	Detected	3496.8	Detected	1700007K09Rik	2.291330843	1.20909508	1.2011129	0.6338062
A_51_P1431	33.7	Detected	55.4	Detected	49.7	Detected	77.2	Detected	Lyl1	2.290801187	1.47477745	1.39350181	0.8971119
A_51_P1754	32	Detected	55.6	Detected	51	Detected	73.3	Detected	Car14	2.290625	1.59375	1.31834532	0.9172662
A_55_P2021	11.7	Not Detect	21.2	Detected	13.2	Not Detect	26.8	Not Detect	Zcchc14	2.290598291	1.12820513	1.26415094	0.6226415
A_55_P2140	136.8	Detected	244.8	Detected	195.2	Detected	313.3	Detected	Polr3gl	2.290204678	1.42690058	1.27982026	0.7973856
A_51_P1348	7198.3	Detected	3821.6	Detected	10984.6	Detected	16485	Detected	Chac1	2.290124057	1.52599919	4.31363827	2.8743458
A_55_P2116	17.6	Detected	18.4	Not Detect	28.9	Detected	40.3	Not Detect	Vax1	2.289772727	1.64204545	2.19021739	1.5706522
A_55_P2020	300.5	Detected	330.4	Detected	433.6	Detected	687.4	Detected	Orai3	2.287520799	1.44292845	2.08050847	1.3123487
A_51_P3398	32	Detected	35	Detected	50.7	Detected	73.2	Detected	Arhgap4	2.2875	1.584375	2.09142857	1.4485714
A_55_P2164	23.4	Detected	33	Detected	42.4	Detected	53.5	Detected	Gm960	2.286324786	1.81196581	1.62121212	1.2848485
A_55_P2131	123.8	Detected	217.4	Detected	145.2	Detected	282.8	Detected	Wdr83	2.284329564	1.17285945	1.30082797	0.6678933
A_51_P2026	66.1	Detected	108.2	Detected	181.4	Detected	150.9	Detected	Ebi3	2.28290469	2.74432678	1.39463956	1.676525
A_52_P6093	28.3	Detected	76.9	Detected	54.3	Detected	64.6	Detected	Klhdc8b	2.282685512	1.91872792	0.84005202	0.7061118
A_55_P2169	70.9	Detected	99.8	Detected	287.3	Detected	161.8	Detected	Mfsd4	2.282087447	4.05218618	1.62124248	2.8787575
A_55_P2119	52.6	Detected	60.2	Detected	155.3	Detected	120	Detected	2610318N02Rik	2.281368821	2.95247148	1.99335548	2.5797342
A_51_P3235	39.1	Detected	47.2	Detected	59.4	Detected	89.2	Detected	Fam71e1	2.281329923	1.51918159	1.88983051	1.2584746
A_66_P1332	2454.5	Detected	3528.9	Detected	2870.7	Detected	5599.5	Detected	Mfsd1	2.281320024	1.1695661	1.58675508	0.813483
A_55_P2121	122.6	Detected	368.2	Detected	9.2	Not Detect	279.6	Detected	Map3k9	2.280587276	0.07504078	0.75936991	0.0249864
A_52_P5150	1593	Detected	1452.7	Detected	2537.3	Detected	3632.4	Detected	Htati2	2.280225989	1.59278092	2.50044744	1.7466098
A_55_P1968	106.7	Detected	189.2	Detected	226.2	Detected	243.1	Detected	6330549D23Rik	2.278350515	2.11996251	1.28488372	1.1955603
A_51_P4752	4155.4	Detected	8998.9	Detected	4470.7	Detected	9454.9	Detected	Armc6	2.275328488	1.07587717	1.05067286	0.4968052
A_55_P2397	46.9	Detected	79.2	Detected	51.4	Detected	106.7	Detected	D130046C19Rik	2.275053305	1.09594883	1.34722222	0.6489899
A_65_P1457	57.3	Detected	58.8	Detected	53.1	Detected	130.3	Detected	Wdr37	2.27399651	0.92670157	2.21598639	0.9030612
A_55_P1995	3494.7	Detected	5073	Detected	2779.2	Detected	7945	Detected	Cobl	2.273442642	0.7952614	1.56613444	0.5478415
A_51_P2493	24548.5	Detected	27739.8	Detected	35413.2	Detected	55798.1	Detected	Suox	2.272973909	1.44258101	2.0114817	1.2766206
A_51_P3037	1644.2	Detected	3429.8	Detected	1337	Detected	3737	Detected	Tmem38a	2.272837854	0.81316142	1.0895679	0.3898186
A_51_P2900	4.4	Not Detect	3461.1	Detected	3.5	Not Detect	10	Not Detect	Fabp7	2.272727273	0.79545455	0.00288925	0.0010112
A_55_P1988	7528.3	Detected	8326.2	Detected	14410.6	Detected	17107.4	Detected	Rnf103	2.272412098	1.91419045	2.05464678	1.7307535
A_55_P2033	46.1	Detected	623.9	Detected	38.9	Detected	104.7	Detected	Fabp3	2.271149675	0.84381779	0.16781536	0.0623497
A_51_P2524	11569	Detected	21951.5	Detected	14033.7	Detected	26263.9	Detected	Cope	2.270196214	1.21304348	1.19645127	0.6393048
A_55_P1984	35.6	Detected	26.1	Detected	86	Detected	80.8	Detected	Lca5l	2.269662921	2.41573034	3.09578544	3.2950192
A_51_P4915	1981.7	Detected	5496	Detected	3987.4	Detected	4493.6	Detected	Aldh5a1	2.267548065	2.01211081	0.81761281	0.7255095
A_55_P2107	346.9	Detected	352.3	Detected	448.2	Detected	786.3	Detected	Rab37	2.266647449	1.29201499	2.23190463	1.2722112
A_55_P2051	162.9	Detected	310.4	Detected	212.8	Detected	369.2	Detected	Gm128	2.266421117	1.3063229	1.18943299	0.685567

A_55_P2161	501.2 Detected	622.2 Detected	867.4 Detected	1135.8 Detected	Coq10a	2.266161213	1.73064645	1.82545805	1.3940855
A_55_P2029	1387.2 Detected	2204 Detected	4428.4 Detected	3143.6 Detected	Abhd6	2.266147636	3.19232987	1.42631579	2.0092559
A_55_P2173	71.1 Detected	77.6 Detected	157.5 Detected	161.1 Detected	B130034C11Rik	2.265822785	2.21518987	2.07603093	2.0296392
A_55_P1969	1344.5 Detected	1588.9 Detected	2068.8 Detected	3046.3 Detected	Abcb1a	2.265749349	1.53871328	1.91723834	1.3020329
A_55_P1981	3680 Detected	7529.9 Detected	6666 Detected	8330.9 Detected	Grasp	2.263831522	1.81141304	1.10637591	0.8852707
A_66_P1344	666.8 Detected	185.7 Detected	1171.1 Detected	1509.1 Detected	Ang3	2.263197361	1.75629874	8.1265482	6.3064082
A_55_P1975	3.8 Not Detect	16.8 Detected	8.2 Not Detect	8.6 Not Detect	Galnt6	2.263157895	2.15789474	0.51190476	0.4880952
A_51_P4528	3280.9 Detected	3167.7 Detected	7007.5 Detected	7423.4 Detected	Pigyl	2.262610869	2.13584687	2.34346687	2.2121729
A_55_P1959	523.6 Detected	867.6 Detected	415.1 Detected	1183.6 Detected	Slc4a4	2.260504202	0.79278075	1.36422314	0.4784463
A_52_P2595	506.9 Detected	875.1 Detected	495.4 Detected	1144.9 Detected	Ogfod1	2.258630894	0.97731308	1.30830762	0.5661067
A_51_P3059	11.6 Not Detect	17.2 Detected	13.8 Not Detect	26.2 Not Detect	Olfrr620	2.25862069	1.18965517	1.52325581	0.8023256
A_52_P6503	332.1 Detected	469.3 Detected	225.4 Detected	750 Detected	Slc35e1	2.258355917	0.67871123	1.59812487	0.4802898
A_55_P2065	1437.8 Detected	2532.1 Detected	1840.8 Detected	3246.1 Detected	Btbd19	2.257685353	1.28028933	1.28197938	0.7269855
A_55_P2092	165.3 Detected	128.5 Detected	322.1 Detected	373.1 Detected	Foxo6	2.257108288	1.94857834	2.90350195	2.5066148
A_51_P3934	841.1 Detected	578.1 Detected	593.9 Detected	1897.8 Detected	Pros1	2.256330995	0.70609916	3.28282304	1.0273309
A_55_P1977	33.6 Detected	42.1 Detected	49.2 Detected	75.8 Detected	Ulk4	2.255952381	1.46428571	1.80047506	1.1686461
A_66_P1332	9 Not Detect	16.3 Detected	5.4 Not Detect	20.3 Not Detect	Prkch	2.255555556	0.6	1.24539877	0.3312883
A_55_P2136	59.8 Detected	258 Detected	314.7 Detected	134.8 Detected	Sult1b1	2.254180602	5.26254181	0.52248062	1.2197674
A_55_P2131	1102.8 Detected	485.3 Detected	1658.8 Detected	2485.7 Detected	Ttc39a	2.253989844	1.5041712	5.1219864	3.4180919
A_51_P1330	302 Detected	327.2 Detected	500.1 Detected	680.4 Detected	Gm4013	2.252980132	1.65596026	2.0794621	1.528423
A_52_P5746	5977.7 Detected	8443 Detected	14644.9 Detected	13463.5 Detected	Bid	2.252287669	2.44992221	1.59463461	1.7345612
A_55_P2176	22.2 Detected	19.6 Detected	15 Not Detect	50 Not Detect	Pcdh15	2.252252252	0.67567568	2.55102041	0.7653061
A_51_P4287	130.6 Detected	140 Detected	203.6 Detected	294.1 Detected	Pbx4	2.251914242	1.55895865	2.10071429	1.4542857
A_55_P2209	23.9 Detected	24.7 Detected	50.3 Detected	53.8 Detected	B830008H07Rik	2.251046025	2.10460251	2.17813765	2.0364372
A_55_P2170	178.1 Detected	277.7 Detected	232.8 Detected	400.8 Detected	Zfp949	2.250421112	1.30713083	1.44328412	0.8383147
A_52_P4565	356.7 Detected	180.3 Detected	721.7 Detected	802.1 Detected	Abcd1	2.248668349	2.02326885	4.44869662	4.0027732
A_55_P2212	55.6 Detected	76.4 Detected	31.2 Detected	125 Detected	C80012	2.248201439	0.56115108	1.63612565	0.408377
A_51_P4556	2885.1 Detected	3980.9 Detected	4062.6 Detected	6485.8 Detected	Car2	2.248032997	1.40813143	1.62922957	1.020523
A_55_P2178	23 Detected	34.4 Detected	21 Detected	51.7 Detected	Fam53b	2.247826087	0.91304348	1.50290698	0.6104651
A_52_P1817	767.5 Detected	877.6 Detected	911.4 Detected	1724.8 Detected	Eif5a2	2.247296417	1.18749186	1.96536007	1.0385141
A_51_P1868	378.9 Detected	730.4 Detected	331.3 Detected	851.4 Detected	Egln1	2.247030879	0.87437319	1.16566265	0.4535871
A_51_P3326	2301 Detected	3222.6 Detected	3913.5 Detected	5169.3 Detected	Pqlc3	2.246544498	1.70078227	1.60407745	1.2143921
A_51_P1259	337.8 Detected	443.4 Detected	477.8 Detected	758.7 Detected	Gan	2.246003552	1.41444642	1.71109608	1.0775823
A_55_P2176	116.6 Detected	128.8 Detected	116.6 Detected	261.8 Detected	Pgc	2.245283019	1	2.0326087	0.9052795
A_52_P5993	4.5 Not Detect	74.4 Detected	197.3 Detected	10.1 Not Detect	Hs6st2	2.244444444	43.8444444	0.13575269	2.6518817
A_55_P2101	53046.4 Detected	116727.8 Detected	85559.3 Detected	119057.4 Detected	Aldh3a1	2.244401128	1.61291435	1.01995754	0.7329813
A_52_P2177	69.2 Detected	88.5 Detected	112.7 Detected	155.3 Detected	Ift46	2.244219653	1.62861272	1.75480226	1.2734463
A_66_P1017	3.7 Not Detect	21.6 Detected	3 Not Detect	8.3 Not Detect	Fam124a	2.243243243	0.81081081	0.38425926	0.1388889
A_52_P2980	543.6 Detected	468.1 Detected	628.2 Detected	1219.4 Detected	Gch1	2.243193525	1.15562914	2.60499893	1.3420209
A_55_P2170	104.5 Detected	145.3 Detected	138.5 Detected	234.4 Detected	Sfn	2.243062201	1.32535885	1.61321404	0.9532003

A_55_P2110	147.7 Detected	200.5 Detected	242.9 Detected	331.2 Detected	Echdc1	2.242383209	1.64454976	1.65187032	1.2114713
A_55_P2116	41.3 Detected	65.6 Detected	53 Detected	92.6 Detected	Trim45	2.242130751	1.28329298	1.41158537	0.8079268
A_51_P3299	2674.7 Detected	4077.4 Detected	4462.3 Detected	5995.2 Detected	D6Wsu163e	2.241447639	1.66833664	1.47034875	1.0943984
A_52_P2328	530.3 Detected	818.6 Detected	1118.4 Detected	1188.2 Detected	Tbx15	2.240618518	2.10899491	1.45150257	1.366235
A_55_P1955	1307.4 Detected	2039.8 Detected	1776.6 Detected	2929.3 Detected	Slc25a42	2.240553771	1.35888022	1.43607216	0.8709677
A_55_P1977	6251.5 Detected	11799.5 Detected	5287.2 Detected	13997.4 Detected	Palld	2.239046629	0.84574902	1.1862706	0.4480868
A_51_P3927	42.6 Detected	58.6 Detected	39 Detected	95.2 Detected	Eml6	2.234741784	0.91549296	1.62457338	0.665529
A_66_P1368	35 Detected	36.8 Detected	47.4 Detected	78.2 Detected	Dppa2	2.234285714	1.35428571	2.125	1.2880435
A_55_P2115	34.6 Detected	12 Not Detect	98.8 Detected	77.3 Detected	Acnat1	2.234104046	2.85549133	6.44166667	8.2333333
A_55_P2027	23.1 Detected	8.9 Not Detect	13.4 Not Detect	51.6 Detected	Rbmxl2	2.233766234	0.58008658	5.79775281	1.505618
A_66_P1373	16.3 Detected	17.2 Detected	23.5 Detected	36.4 Not Detect	Gm5606	2.233128834	1.44171779	2.11627907	1.3662791
A_55_P2034	94.5 Detected	128.8 Detected	80.5 Detected	211 Detected	Zfp157	2.232804233	0.85185185	1.63819876	0.625
A_51_P1847	583.2 Detected	780.7 Detected	951.8 Detected	1301.9 Detected	Cnksr3	2.23233882	1.63203018	1.66760599	1.2191623
A_55_P2149	112.5 Detected	534.6 Detected	182.5 Detected	251 Detected	Ninj2	2.231111111	1.62222222	0.46950991	0.3413767
A_52_P2407	7.8 Not Detect	11.6 Not Detect	28.1 Detected	17.4 Not Detect	Cml2	2.230769231	3.6025641	1.5	2.4224138
A_55_P2112	447.6 Detected	452.6 Detected	803 Detected	998.4 Detected	Pcyt2	2.230563003	1.79401251	2.20592134	1.7741935
A_52_P7978	580.4 Detected	482 Detected	1367.3 Detected	1294.3 Detected	Wnt7a	2.230013784	2.35578911	2.68526971	2.836722
A_55_P2111	16419.9 Detected	15193.9 Detected	23000.1 Detected	36615.8 Detected	Gale	2.22996486	1.40074544	2.40990134	1.513772
A_55_P2077	50.5 Detected	119.5 Detected	15.4 Detected	112.6 Detected	Rhpn1	2.22970297	0.3049505	0.94225941	0.1288703
A_51_P5039	2512.7 Detected	3661.6 Detected	3161.4 Detected	5601.6 Detected	Calm1	2.229315079	1.2581685	1.52982303	0.8633931
A_52_P4213	241.6 Detected	188.7 Detected	2030.3 Detected	538.6 Detected	Paqr5	2.229304636	8.4035596	2.85426603	10.759406
A_55_P1961	35.5 Detected	29.1 Detected	29.6 Detected	79.1 Detected	Gm15217	2.228169014	0.83380282	2.71821306	1.0171821
A_55_P2002	1012.8 Detected	1099.7 Detected	1679 Detected	2256.1 Detected	Rps6kb2	2.227586888	1.65778041	2.05155952	1.52678
A_52_P2570	122.3 Detected	193 Detected	216.3 Detected	272.4 Detected	Nudt6	2.227309894	1.7686018	1.41139896	1.1207254
A_55_P2128	434.5 Detected	2032.7 Detected	40.4 Detected	967.4 Detected	Col6a1	2.226467204	0.09298044	0.47591873	0.019875
A_55_P2047	113.2 Detected	97.1 Detected	213.3 Detected	252 Detected	Slc37a4	2.22614841	1.88427562	2.59526262	2.1967044
A_55_P2006	10.2 Not Detect	23 Detected	13.4 Not Detect	22.7 Not Detect	Olfir282	2.225490196	1.31372549	0.98695652	0.5826087
A_55_P1977	692.9 Detected	637.6 Detected	682.1 Detected	1542 Detected	Vps13d	2.225429355	0.98441334	2.41844417	1.069793
A_55_P2068	216 Detected	258.8 Detected	207.5 Detected	480.4 Detected	Ccng2	2.224074074	0.96064815	1.85625966	0.8017774
A_55_P2122	2303.1 Detected	3358.9 Detected	3444.5 Detected	5118 Detected	Gpr19	2.222222222	1.4955929	1.52371312	1.0254845
A_55_P2049	1424.6 Detected	1327.3 Detected	1182.9 Detected	3164.9 Detected	Tm6sf2	2.221606065	0.83033834	2.3844647	0.8912077
A_51_P1817	2261.9 Detected	3425.4 Detected	4431.4 Detected	5023.6 Detected	Rbks	2.220964676	1.95914939	1.46657325	1.2936883
A_55_P2007	29.9 Detected	53.8 Detected	32.6 Detected	66.4 Detected	Prss27	2.220735786	1.090301	1.23420074	0.605948
A_51_P3359	475.8 Detected	536.3 Detected	681.4 Detected	1056.6 Detected	Narf	2.220680958	1.43211433	1.97016595	1.2705575
A_55_P2144	56.3 Detected	70 Detected	95.1 Detected	125 Detected	BC033916	2.220248668	1.68916519	1.78571429	1.3585714
A_55_P2136	281.1 Detected	121.3 Detected	104.8 Detected	624.1 Detected	Coro2b	2.220206332	0.37282106	5.14509481	0.8639736
A_55_P2020	87.1 Detected	105.7 Detected	72.2 Detected	193.3 Detected	Scml4	2.219288175	0.82893226	1.82876064	0.6830653
A_55_P2041	557.7 Detected	1074.5 Detected	407.2 Detected	1237.4 Detected	Gas2	2.218755603	0.73014165	1.1516054	0.378967
A_55_P1986	75.1 Detected	127 Detected	82.7 Detected	166.6 Detected	3110070M22Rik	2.218375499	1.1011984	1.31181102	0.6511811
A_52_P5043	5203.6 Detected	5848 Detected	4409 Detected	11542.3 Detected	Ankib1	2.218137443	0.84729802	1.97371751	0.753933

A_55_P2100	18.4 Detected	5.2 Not Detect	39.9 Detected	40.8 Not Detect	E130309D14Rik	2.217391304	2.16847826	7.84615385	7.6730769
A_55_P2330	39.1 Detected	154.2 Detected	81.9 Detected	86.7 Detected	A730090N16Rik	2.217391304	2.09462916	0.56225681	0.5311284
A_51_P3822	880.4 Detected	725 Detected	3037.6 Detected	1952 Detected	Rab17	2.217174012	3.45024989	2.69241379	4.1897931
A_51_P1813	566.4 Detected	908.6 Detected	902.3 Detected	1255.6 Detected	Dcxr	2.21680791	1.59304379	1.38190623	0.9930663
A_55_P1969	161.5 Detected	363.4 Detected	295.5 Detected	358 Detected	Col4a5	2.216718266	1.82972136	0.98514034	0.8131535
A_52_P2782	1741.9 Detected	1706.1 Detected	2472.9 Detected	3853.2 Detected	Pear1	2.212067283	1.4196567	2.25848426	1.4494461
A_65_P1035	903.2 Detected	1295.5 Detected	1571.3 Detected	1996.5 Detected	Atp2b1	2.210473871	1.73970328	1.54110382	1.2128908
A_51_P4395	47.1 Detected	43.7 Detected	50.4 Detected	104.1 Detected	Rhov	2.210191083	1.07006369	2.38215103	1.1533181
A_52_P5598	6596.9 Detected	6153 Detected	8503.6 Detected	14576.6 Detected	Arhgef12	2.209613606	1.2890297	2.36902324	1.382025
A_55_P2029	387.4 Detected	524 Detected	530.2 Detected	856 Detected	Pex11g	2.209602478	1.36861125	1.63358779	1.0118321
A_55_P1981	35.9 Detected	51.6 Detected	48.9 Detected	79.3 Detected	Ercc6l2	2.208913649	1.36211699	1.53682171	0.9476744
A_55_P2019	936.5 Detected	1004 Detected	1431.4 Detected	2068.5 Detected	Spire1	2.208756006	1.52845702	2.06025896	1.4256972
A_55_P2089	415 Detected	284.9 Detected	631.2 Detected	916.6 Detected	4933431K14Rik	2.208674699	1.52096386	3.21726922	2.2155142
A_55_P1958	42.3 Detected	114.2 Detected	86.2 Detected	93.4 Detected	Cxxc4	2.208037825	2.03782506	0.8178634	0.7548161
A_55_P2035	5581.8 Detected	5321.4 Detected	9673.7 Detected	12320.2 Detected	Gucd1	2.207209144	1.73307894	2.3152178	1.8178863
A_55_P1967	589.6 Detected	907.8 Detected	462 Detected	1301.1 Detected	Slc4a4	2.206750339	0.78358209	1.43324521	0.5089227
A_55_P2105	3966.5 Detected	8217.5 Detected	6465.5 Detected	8752.8 Detected	G6pc3	2.206680953	1.63002647	1.06514147	0.7867965
A_55_P2156	236.7 Detected	565.6 Detected	717.8 Detected	522.1 Detected	Pick1	2.20574567	3.03253063	0.92309052	1.2690948
A_55_P2097	66.6 Detected	58.9 Detected	77.8 Detected	146.9 Detected	Olf1r122	2.205705706	1.16816817	2.49405772	1.3208829
A_55_P1989	15476 Detected	19440.2 Detected	18424.8 Detected	34130.8 Detected	C2cd2l	2.205401913	1.19054019	1.75568153	0.947768
A_55_P2139	3209.2 Detected	3311.7 Detected	5647.8 Detected	7076.8 Detected	Acbd4	2.205160165	1.75987785	2.13690854	1.7054081
A_55_P2048	5918.4 Detected	7302.3 Detected	10972.3 Detected	13050 Detected	Golph3l	2.204987835	1.85393012	1.78710817	1.5025814
A_66_P1240	19834.1 Detected	23841.6 Detected	37420.2 Detected	43731.3 Detected	Bok	2.204854266	1.88665984	1.83424351	1.5695339
A_51_P4979	670.4 Detected	426.4 Detected	3313.1 Detected	1477.5 Detected	C2	2.203908115	4.94197494	3.46505629	7.7699343
A_55_P2065	41116.8 Detected	95488 Detected	69237.4 Detected	90589.4 Detected	Aldh3a1	2.203221068	1.68391995	0.94869931	0.7250901
A_55_P1987	991.1 Detected	1061.4 Detected	1247.9 Detected	2182.2 Detected	Tpp1	2.201795984	1.25910604	2.05596382	1.1757113
A_51_P4263	18.4 Detected	23.4 Detected	17.6 Detected	40.5 Not Detect	Tssk1	2.201086957	0.95652174	1.73076923	0.7521368
A_51_P1554	374.8 Detected	2338.3 Detected	743.2 Detected	823.3 Detected	Dok7	2.196638207	1.98292423	0.3520934	0.3178377
A_55_P1969	4628.5 Detected	6353 Detected	10322 Detected	10166.3 Detected	Gramd1b	2.196456735	2.23009614	1.60023611	1.6247442
A_55_P2378	5.6 Not Detect	61 Detected	14 Not Detect	12.3 Not Detect	Kcnma1	2.196428571	2.5	0.20163934	0.2295082
A_55_P2266	353 Detected	733.6 Detected	373.9 Detected	774.6 Detected	6330522J23Rik	2.194334278	1.0592068	1.05588877	0.5096783
A_52_P1057	356.1 Detected	490.1 Detected	571.1 Detected	781.4 Detected	Cdc42bpg	2.194327436	1.60376299	1.5943685	1.1652724
A_55_P2099	19.2 Detected	85.6 Detected	27.8 Detected	42.1 Detected	LOC100504608	2.192708333	1.44791667	0.49182243	0.3247664
A_55_P2114	1779 Detected	2267.7 Detected	2061.9 Detected	3900 Detected	Nek3	2.192242833	1.15902192	1.71980421	0.9092473
A_52_P6019	938.2 Detected	985 Detected	1837.9 Detected	2055.2 Detected	Mtch2	2.190577702	1.95896397	2.08649746	1.8658883
A_51_P4641	4.2 Not Detect	35.2 Detected	3.2 Not Detect	9.2 Not Detect	Sowahb	2.19047619	0.76190476	0.26136364	0.0909091
A_55_P2109	2500 Detected	7093.1 Detected	5373.6 Detected	5475.6 Detected	Trnt1	2.19024	2.14944	0.77196148	0.7575813
A_52_P1948	216.6 Detected	141.2 Detected	98.5 Detected	474.4 Detected	2410089E03Rik	2.190212373	0.45475531	3.35977337	0.6975921
A_55_P1960	14032.7 Detected	23350.4 Detected	17103.1 Detected	30733.2 Detected	BC056474	2.190113093	1.21880322	1.31617446	0.7324543
A_55_P2014	104 Detected	141.5 Detected	1373.5 Detected	227.6 Detected	Il17re	2.188461538	13.2067308	1.60848057	9.7067138

A_51_P2044	2490.3	Detected	4027.1	Detected	2131.6	Detected	5449.9	Detected	Phf19	2.188451191	0.85596113	1.35330635	0.5293139
A_51_P2572	6724.3	Detected	5924.5	Detected	8019	Detected	14715.1	Detected	Cpox	2.188346742	1.19254049	2.48377078	1.3535319
A_55_P2232	352.7	Detected	518.5	Detected	504	Detected	771.8	Detected	Smarcal1	2.188261979	1.42897647	1.48852459	0.9720347
A_55_P1985	3522.1	Detected	4330.5	Detected	4391.3	Detected	7706.4	Detected	Dock6	2.188012833	1.24678459	1.77956356	1.0140399
A_55_P2181	116	Detected	220.3	Detected	118	Detected	253.8	Detected	Cdh11	2.187931034	1.01724138	1.15206537	0.5356332
A_55_P2076	116.3	Detected	258.2	Detected	187.9	Detected	254.4	Detected	Mpzl3	2.18744626	1.61564918	0.98528273	0.7277304
A_55_P2135	270.1	Detected	296.7	Detected	107	Detected	590.7	Detected	Nol3	2.18696779	0.39614957	1.9908999	0.3606336
A_51_P4034	10.7	Not Detect	15.3	Not Detect	106	Detected	23.4	Not Detect	Dio1	2.186915888	9.90654206	1.52941176	6.9281046
A_51_P1914	4111	Detected	7099.4	Detected	7183.5	Detected	8990.3	Detected	H2-M2	2.186888835	1.74738506	1.26634645	1.0118461
A_52_P6738	295.8	Detected	279.9	Detected	395	Detected	646.8	Detected	Cdkn1b	2.186612576	1.33536173	2.31082529	1.4112183
A_52_P2205	104.1	Detected	200.9	Detected	191.3	Detected	227.6	Detected	Serpini1	2.18635927	1.8376561	1.13290194	0.952215
A_52_P3202	53.8	Detected	79.2	Detected	85.6	Detected	117.6	Detected	Inca1	2.185873606	1.59107807	1.48484848	1.0808081
A_55_P2090	28	Detected	2129.8	Detected	3	Not Detect	61.2	Detected	Dync1i1	2.185714286	0.10714286	0.02873509	0.0014086
A_51_P3756	2409.9	Detected	2423.2	Detected	5091.7	Detected	5267.3	Detected	Tmem135	2.185692352	2.11282626	2.17369594	2.1012298
A_51_P3637	7763.2	Detected	9873.2	Detected	13810.9	Detected	16964.8	Detected	Stx7	2.185284419	1.77902154	1.71826763	1.3988271
A_55_P2117	808.4	Detected	2682.3	Detected	1350.2	Detected	1766.4	Detected	Cyp4b1	2.185056903	1.67021277	0.65853931	0.503374
A_52_P2877	134.6	Detected	235.6	Detected	195	Detected	294.1	Detected	Engase	2.184992571	1.448737	1.24830221	0.827674
A_51_P2357	1281.3	Detected	2008.5	Detected	2755.5	Detected	2799.5	Detected	Icam4	2.184890346	2.15055022	1.39382624	1.3719193
A_66_P1144	596.6	Detected	798.3	Detected	756.8	Detected	1303.2	Detected	Gpr126	2.184378143	1.26852162	1.632469	0.9480145
A_55_P1980	18.5	Detected	25	Detected	15.6	Not Detect	40.4	Not Detect	Kcnrg	2.183783784	0.84324324	1.616	0.624
A_55_P2177	52.9	Detected	140.1	Detected	76.9	Detected	115.5	Detected	Tmem208	2.183364839	1.4536862	0.82441113	0.5488936
A_55_P2102	21597.7	Detected	21559.6	Detected	18943.4	Detected	47130.6	Detected	Eaf2	2.182204587	0.87710265	2.18606097	0.8786527
A_55_P2067	927.6	Detected	1070.6	Detected	1750.2	Detected	2023.9	Detected	Clmp	2.181867184	1.88680466	1.89043527	1.6347842
A_55_P2079	4.4	Not Detect	3.4	Not Detect	33.3	Detected	9.6	Not Detect	Scgb1b20	2.181818182	7.56818182	2.82352941	9.7941176
A_51_P1742	4.4	Not Detect	17.3	Detected	3.5	Not Detect	9.6	Not Detect	Dhrs2	2.181818182	0.79545455	0.55491329	0.2023121
A_52_P5663	880.3	Detected	908.5	Detected	1144	Detected	1920.3	Detected	Zfyve26	2.181415427	1.29955697	2.11370391	1.2592185
A_55_P2071	392.9	Detected	332	Detected	493.1	Detected	857	Detected	Nav2	2.181216595	1.25502672	2.5813253	1.485241
A_52_P5586	385	Detected	312.6	Detected	410.8	Detected	839.7	Detected	Clec16a	2.181038961	1.06701299	2.68618042	1.3141395
A_55_P1981	762	Detected	1256.4	Detected	1122.9	Detected	1661.8	Detected	Nr2c1	2.180839895	1.47362205	1.32266794	0.893744
A_55_P2013	64341.4	Detected	78006.5	Detected	101416.7	Detected	140285	Detected	Krt42	2.180322467	1.57622775	1.79837578	1.3001058
A_66_P1357	686.5	Detected	674.3	Detected	1303.9	Detected	1496.3	Detected	Cyp2d11	2.179606701	1.8993445	2.21904197	1.933709
A_55_P2427	767.6	Detected	1273.6	Detected	988	Detected	1672.6	Detected	Agl	2.178999479	1.28712871	1.31328518	0.7757538
A_55_P2118	23.5	Detected	16.9	Not Detect	38.2	Detected	51.2	Not Detect	Gm7271	2.178723404	1.62553191	3.0295858	2.260355
A_55_P2118	16.3	Detected	22.1	Detected	27.6	Detected	35.5	Not Detect	Peg12	2.17791411	1.69325153	1.60633484	1.2488688
A_55_P2055	54	Detected	126	Detected	141.2	Detected	117.6	Detected	Ppara	2.177777778	2.61481481	0.93333333	1.1206349
A_55_P2172	100.8	Detected	103.2	Detected	172	Detected	219.5	Detected	1700080G18Rik	2.177579365	1.70634921	2.12693798	1.6666667
A_52_P6479	780.8	Detected	734.6	Detected	1195.4	Detected	1700	Detected	Usf2	2.177254098	1.53099385	2.31418459	1.6272802
A_55_P1962	19.3	Detected	26.9	Detected	24.4	Detected	42	Not Detect	Cxcr6	2.176165803	1.2642487	1.56133829	0.9070632
A_55_P2299	275.9	Detected	362.1	Detected	657	Detected	600.4	Detected	LOC553090	2.176150779	2.38129757	1.6581055	1.8144159
A_55_P2025	226.7	Detected	336.9	Detected	356	Detected	493.3	Detected	Pqlc3	2.176003529	1.5703573	1.46423271	1.0566934

A_55_P2046	11641.9	Detected	19519.2	Detected	14334.8	Detected	25331.8	Detected	BC056474	2.175916302	1.23131104	1.29778884	0.7343949
A_52_P6717	787.9	Detected	1591.3	Detected	1624	Detected	1713.8	Detected	Arhgap18	2.175149131	2.06117528	1.07698108	1.0205492
A_51_P3855	7657.7	Detected	8932.8	Detected	13398.5	Detected	16652.9	Detected	Slc37a4	2.174660799	1.7496768	1.8642419	1.4999216
A_55_P2010	2658.2	Detected	3784	Detected	4394.8	Detected	5778.8	Detected	Il11ra1	2.173952299	1.65329923	1.52716702	1.1614165
A_52_P5976	2389.2	Detected	5807.7	Detected	1429.2	Detected	5193.6	Detected	Fzd1	2.173782019	0.59819186	0.89426107	0.2460871
A_55_P1953	43.8	Detected	50.4	Detected	83.5	Detected	95.2	Detected	Efcab3	2.173515982	1.90639269	1.88888889	1.656746
A_51_P4924	13805.8	Detected	21275.2	Detected	19144.2	Detected	30004.9	Detected	Pmvk	2.173354677	1.38667806	1.41032282	0.8998364
A_55_P2101	376.8	Detected	421.5	Detected	432.1	Detected	818.4	Detected	Fgf8	2.171974522	1.14676221	1.94163701	1.0251483
A_66_P1070	524.6	Detected	1633.5	Detected	1080.7	Detected	1139.4	Detected	Prcp	2.171940526	2.06004575	0.69752066	0.6615856
A_51_P1557	1074.7	Detected	1309.1	Detected	1039.7	Detected	2331.9	Detected	Ascc3	2.169814832	0.96743277	1.78130013	0.7942098
A_66_P1380	2279.3	Detected	3029.3	Detected	3963.1	Detected	4943.5	Detected	Atp2b1	2.168867635	1.73873558	1.63189516	1.308256
A_52_P1625	26.3	Detected	22.7	Detected	21.1	Detected	57	Detected	Dph3	2.16730038	0.80228137	2.51101322	0.9295154
A_51_P4240	1600.4	Detected	2184.4	Detected	2676.4	Detected	3468.5	Detected	Btb2	2.167270682	1.67233192	1.58785021	1.2252335
A_55_P2312	24.6	Detected	26.1	Detected	22.8	Detected	53.3	Detected	AU046084	2.166666667	0.92682927	2.04214559	0.8735632
A_55_P2157	8891.3	Detected	13988.2	Detected	12284.7	Detected	19263.8	Detected	Gm2s	2.166589813	1.38165398	1.37714645	0.8782188
A_52_P2444	88.7	Detected	128.6	Detected	134.4	Detected	192.1	Detected	U2surp	2.16572717	1.51521984	1.49377916	1.0451011
A_52_P6215	962.1	Detected	1491.5	Detected	1786.2	Detected	2083.3	Detected	Ifnlr1	2.165367425	1.85656377	1.39678176	1.1975863
A_55_P2053	6804.2	Detected	14242.9	Detected	15548.2	Detected	14733.5	Detected	Foxa1	2.165353752	2.28508862	1.03444523	1.0916457
A_55_P2154	22.5	Detected	39	Detected	28.6	Detected	48.7	Detected	Morn3	2.164444444	1.27111111	1.24871795	0.7333333
A_55_P1956	17.1	Detected	13	Not Detect	411.5	Detected	37	Not Detect	Ttyh1	2.16374269	24.0643275	2.84615385	31.653846
A_52_P1346	619.1	Detected	776	Detected	1544.4	Detected	1339.5	Detected	Tgoln2	2.163624616	2.49458892	1.72615979	1.9902062
A_66_P1163	1637.8	Detected	908.7	Detected	6123	Detected	3541.8	Detected	Soat2	2.162535108	3.73855172	3.89765599	6.7381974
A_51_P3228	11.7	Not Detect	3.2	Not Detect	17.3	Detected	25.3	Not Detect	1700054O13Rik	2.162393162	1.47863248	7.90625	5.40625
A_55_P2067	7.4	Not Detect	21.5	Detected	5.4	Not Detect	16	Not Detect	Psg27	2.162162162	0.72972973	0.74418605	0.2511628
A_55_P2079	504.7	Detected	913.8	Detected	147.7	Detected	1090.8	Detected	Dnm1	2.161283931	0.2926491	1.19369665	0.1616327
A_55_P2056	28.6	Detected	21	Detected	27.9	Detected	61.8	Detected	Nkx1-1	2.160839161	0.97552448	2.94285714	1.3285714
A_55_P2165	11529.6	Detected	9549.6	Detected	16282.2	Detected	24911.3	Detected	Pcyt1a	2.160638704	1.41220858	2.60862235	1.7050138
A_55_P2003	665.6	Detected	554.6	Detected	486.1	Detected	1437.5	Detected	Setd1b	2.159705529	0.73031851	2.59195817	0.8764876
A_55_P1971	853.4	Detected	13608.9	Detected	805.3	Detected	1842.4	Detected	Urah	2.158893836	0.94363722	0.13538199	0.0591745
A_55_P2178	17	Detected	23	Detected	3.3	Not Detect	36.7	Not Detect	3-Sep	2.158823529	0.19411765	1.59565217	0.1434783
A_52_P6207	1117.6	Detected	2198.8	Detected	1485.6	Detected	2412.7	Detected	Ncl	2.158822477	1.32927702	1.09728033	0.6756413
A_55_P2143	86.4	Detected	364.3	Detected	233.7	Detected	186.5	Detected	Pgbd5	2.158564815	2.70486111	0.51194071	0.6415043
A_51_P2245	13014.2	Detected	23317.1	Detected	15893.8	Detected	28080.5	Detected	Gnpat	2.157681609	1.221266	1.20428784	0.6816371
A_55_P2031	1363.6	Detected	2158.3	Detected	1795.3	Detected	2942.1	Detected	Stat5b	2.157597536	1.31658844	1.36315619	0.8318121
A_51_P2788	4649.2	Detected	6615.1	Detected	6864.2	Detected	10030.4	Detected	Hint2	2.157446442	1.47642605	1.51628849	1.0376563
A_51_P5036	1092.3	Detected	1346.5	Detected	1439.2	Detected	2356.5	Detected	Tmem205	2.157374348	1.31758674	1.75009283	1.0688452
A_55_P2011	181.5	Detected	155.6	Detected	205.8	Detected	391.5	Detected	5031425E22Rik	2.157024793	1.1338843	2.51606684	1.3226221
A_51_P3159	36654.8	Detected	44227.2	Detected	57109.6	Detected	79055	Detected	Gadd45g	2.156743455	1.55803878	1.78747468	1.2912778
A_55_P1963	845.1	Detected	1247.4	Detected	846.8	Detected	1822.2	Detected	Aktip	2.156194533	1.0020116	1.46079846	0.678852
A_55_P2371	23.7	Detected	27.4	Detected	19.8	Detected	51.1	Detected	AA419673	2.156118143	0.83544304	1.8649635	0.7226277

A_55_P2172	21.2 Detected	25.8 Detected	19.4 Detected	45.7 Not Detect	Gm10640	2.155660377	0.91509434	1.77131783	0.751938
A_51_P4663	5460.9 Detected	5732.3 Detected	6813.5 Detected	11768.1 Detected	Pitpna	2.154974455	1.24768811	2.05294559	1.1886154
A_66_P1193	7.1 Not Detect	6.1 Not Detect	40.4 Detected	15.3 Not Detect	Gm382	2.154929577	5.69014085	2.50819672	6.6229508
A_52_P5021	3.9 Not Detect	15 Detected	3.7 Not Detect	8.4 Not Detect	Hectd2	2.153846154	0.94871795	0.56	0.2466667
A_55_P2072	10.4 Not Detect	10.9 Not Detect	16.7 Detected	22.4 Not Detect		2.153846154	1.60576923	2.05504587	1.5321101
A_52_P2388	5.2 Not Detect	20.2 Detected	7.2 Not Detect	11.2 Not Detect	Shisa9	2.153846154	1.38461538	0.55445545	0.3564356
A_51_P1376	24.1 Detected	108.2 Detected	57.4 Detected	51.9 Detected	Fcna	2.153526971	2.38174274	0.47966728	0.5304991
A_65_P1210	55.5 Detected	49.5 Detected	56.5 Detected	119.5 Detected	Tmtc1	2.153153153	1.01801802	2.41414141	1.1414141
A_55_P1969	350.7 Detected	455.7 Detected	410.1 Detected	755.1 Detected	Prb1	2.153122327	1.16937553	1.65701119	0.8999342
A_55_P2058	8620.4 Detected	11489.8 Detected	14061.1 Detected	18555.5 Detected	Hilpda	2.152510324	1.63114241	1.61495413	1.2237898
A_66_P1367	26.9 Detected	31.6 Detected	46.3 Detected	57.9 Detected	Mapk15	2.152416357	1.72118959	1.83227848	1.4651899
A_55_P2091	28.9 Detected	34.8 Detected	28.3 Detected	62.2 Detected	Col11a2	2.152249135	0.97923875	1.78735632	0.8132184
A_52_P2552	246.9 Detected	276.6 Detected	499.3 Detected	531.3 Detected	Rnf103	2.151883354	2.02227623	1.9208243	1.8051338
A_51_P2780	5634.3 Detected	4210.6 Detected	5953.6 Detected	12114.5 Detected	Ufsp1	2.150134001	1.05667075	2.8771434	1.4139553
A_55_P2161	24 Detected	40.1 Detected	25.7 Detected	51.6 Detected	Spata2l	2.15	1.07083333	1.28678304	0.6408978
A_51_P2610	1277.5 Detected	1109.9 Detected	1618 Detected	2745.2 Detected	Cpne2	2.14888454	1.2665362	2.47337598	1.457789
A_51_P2422	5023.8 Detected	4956.2 Detected	5876.1 Detected	10791.2 Detected	Naaa	2.148015446	1.16965245	2.17731326	1.1856059
A_55_P2151	285.6 Detected	232.9 Detected	545.9 Detected	613.4 Detected	C8g	2.147759104	1.91141457	2.63374839	2.3439244
A_55_P2165	138.8 Detected	148.8 Detected	180.1 Detected	298.1 Detected	Gm5486	2.147694524	1.29755043	2.00336022	1.2103495
A_55_P1953	6.1 Not Detect	8.4 Not Detect	55 Detected	13.1 Not Detect	Ace2	2.147540984	9.01639344	1.55952381	6.547619
A_55_P1997	66.5 Detected	67.9 Detected	61 Detected	142.8 Detected	Lpar2	2.147368421	0.91729323	2.10309278	0.89838
A_55_P2162	10.2 Not Detect	100.4 Detected	3.3 Not Detect	21.9 Not Detect	Tph2	2.147058824	0.32352941	0.21812749	0.0328685
A_52_P8178	718.2 Detected	1235.4 Detected	954.4 Detected	1541.7 Detected	Gspt1	2.146616541	1.32887775	1.24793589	0.7725433
A_55_P2076	3354.5 Detected	5405.4 Detected	3216 Detected	7198.4 Detected	Mon1b	2.145893576	0.95871218	1.33170533	0.5949606
A_66_P1086	400.6 Detected	450.3 Detected	600.2 Detected	859.6 Detected	Gtpbp10	2.145781328	1.49825262	1.90894959	1.3328892
A_55_P1979	3073.4 Detected	4121.7 Detected	5091.5 Detected	6592.6 Detected	9630033F20Rik	2.145051083	1.65663435	1.59948565	1.2352913
A_55_P1952	12.5 Not Detect	17.2 Detected	6.1 Not Detect	26.8 Not Detect	Ceacam20	2.144	0.488	1.55813953	0.3546512
A_55_P2181	15.3 Detected	6.5 Not Detect	3.3 Not Detect	32.8 Not Detect	Olf1270	2.14379085	0.21568627	5.04615385	0.5076923
A_55_P1959	1046.8 Detected	1464.8 Detected	1373.4 Detected	2242.1 Detected	D430042O09Rik	2.141860909	1.31199847	1.53065265	0.9376024
A_51_P3009	69.1 Detected	104.4 Detected	57.4 Detected	147.9 Detected	Tti2	2.140376266	0.83068017	1.41666667	0.5498084
A_55_P2015	39.4 Detected	59.1 Detected	50.2 Detected	84.3 Detected	BC048609	2.139593909	1.27411168	1.42639594	0.8494078
A_55_P1978	15775.6 Detected	13491.2 Detected	32388.7 Detected	33744.5 Detected	Tspan8	2.139031162	2.05308831	2.50122302	2.4007279
A_55_P2040	14313.2 Detected	19887.6 Detected	12032.8 Detected	30615.1 Detected	Tom1	2.138941676	0.84067853	1.53940646	0.6050403
A_51_P1463	11879.6 Detected	21195.9 Detected	16433.3 Detected	25403 Detected	Mvb12a	2.138371662	1.38332099	1.1984865	0.7753056
A_51_P3346	3283.3 Detected	3332.4 Detected	2938.3 Detected	7019.6 Detected	Esyt1	2.137970944	0.89492279	2.10646981	0.8817369
A_66_P1281	429.2 Detected	1001.4 Detected	787.3 Detected	917.5 Detected	Fzd5	2.137698043	1.83434296	0.9162173	0.7861993
A_55_P2039	203 Detected	160.2 Detected	665 Detected	433.8 Detected	Far1	2.136945813	3.27586207	2.70786517	4.1510612
A_55_P2012	6071.4 Detected	9916.1 Detected	6648.6 Detected	12971.1 Detected	Eps15l1	2.136426524	1.09506868	1.30808483	0.6704854
A_55_P2139	14731.3 Detected	13821.6 Detected	23022.6 Detected	31471.1 Detected	Rps6ka1	2.136342346	1.56283559	2.27695057	1.6656972
A_55_P2046	112.4 Detected	173.4 Detected	154.9 Detected	240.1 Detected	Rps6kl1	2.136120996	1.37811388	1.38465975	0.8933103

A_51_P4998	978.7 Detected	1068.5 Detected	803.1 Detected	2089.3 Detected	Krit1	2.134770614	0.82057832	1.95535798	0.7516144
A_55_P2177	91.8 Detected	128.7 Detected	78.8 Detected	195.9 Detected	Ccdc24	2.133986928	0.8583878	1.52214452	0.6122766
A_66_P1269	444.7 Detected	435.6 Detected	407.9 Detected	948.2 Detected	Gm10523	2.132223971	0.91724758	2.17676768	0.9364096
A_66_P1396	200.5 Detected	299.8 Detected	573.1 Detected	427.4 Detected	Mppe1	2.131670823	2.85835411	1.42561708	1.9116077
A_51_P1202	1425.3 Detected	2088.5 Detected	1578.5 Detected	3036.7 Detected	Fbx18	2.130569003	1.10748614	1.45401006	0.7558056
A_55_P2109	57.5 Detected	62.6 Detected	162.4 Detected	122.5 Detected	Adora2a	2.130434783	2.82434783	1.95686901	2.5942492
A_52_P1830	16783.7 Detected	18369.5 Detected	26240.5 Detected	35754.3 Detected	Impdh1	2.13029904	1.56345144	1.94639484	1.428482
A_55_P2053	2548.7 Detected	1921.3 Detected	8585.9 Detected	5428.5 Detected	Rab17	2.129909366	3.368737	2.8254307	4.4687972
A_55_P1955	563.5 Detected	511.2 Detected	489.8 Detected	1200.1 Detected		3-Mar 2.129724933	0.86921029	2.34761346	0.9581377
A_52_P2577	7056.7 Detected	10792.4 Detected	8690.4 Detected	15025.5 Detected	Cnnm4	2.12925305	1.23151048	1.39222972	0.8052333
A_55_P2063	1293 Detected	2282.4 Detected	2788.7 Detected	2753 Detected	Agk	2.129156999	2.15676721	1.20618647	1.2218279
A_52_P3221	25.6 Detected	88.4 Detected	69.9 Detected	54.5 Detected	Ccdc88b	2.12890625	2.73046875	0.61651584	0.790724
A_51_P1715	3.9 Not Detect	2.9 Not Detect	16.3 Detected	8.3 Not Detect	Olf487	2.128205128	4.17948718	2.86206897	5.6206897
A_55_P2155	974.4 Detected	1654.7 Detected	984.7 Detected	2073.5 Detected	Nlrc3	2.12797619	1.01057061	1.25309724	0.5950928
A_55_P1959	17.2 Detected	26 Detected	17.2 Detected	36.6 Not Detect	Wbscr25	2.127906977	1	1.40769231	0.6615385
A_55_P2146	486.1 Detected	611.8 Detected	583.8 Detected	1034 Detected	Tmem102	2.127134334	1.20098745	1.6900948	0.9542334
A_52_P1262	351 Detected	500.5 Detected	418.1 Detected	746 Detected	Prkab2	2.125356125	1.19116809	1.49050949	0.8353646
A_55_P2046	1207.9 Detected	1605.8 Detected	1754 Detected	2566.9 Detected	Ccdc90b	2.125093137	1.45210696	1.59851787	1.0922904
A_55_P1983	10.5 Not Detect	12.4 Not Detect	19.1 Detected	22.3 Not Detect	Vps37a	2.123809524	1.81904762	1.7983871	1.5403226
A_65_P1039	1092.3 Detected	1048.5 Detected	1098.8 Detected	2319.7 Detected	Gna13	2.12368397	1.00595075	2.21239866	1.0479733
A_52_P1019	20.4 Detected	14.4 Not Detect	10.5 Not Detect	43.3 Not Detect	C030014O09Rik	2.12254902	0.51470588	3.00694444	0.7291667
A_55_P2236	16.5 Detected	23.8 Detected	4.3 Not Detect	35 Not Detect	Tom1	2.121212121	0.26060606	1.47058824	0.1806723
A_55_P2206	83 Detected	129.2 Detected	114.3 Detected	176 Detected	A930006K02Rik	2.120481928	1.37710843	1.3622291	0.8846749
A_55_P2012	13018.8 Detected	18025.6 Detected	11466.1 Detected	27606.1 Detected	Tom1	2.120479614	0.88073402	1.5314941	0.6361009
A_51_P1823	38.5 Detected	47.8 Detected	37 Detected	81.6 Detected	Glec2i	2.119480519	0.96103896	1.70711297	0.7740586
A_55_P2174	26 Detected	38.8 Detected	32 Detected	55.1 Detected	Ccdc42b	2.119230769	1.23076923	1.42010309	0.8247423
A_51_P4182	276.9 Detected	396 Detected	490 Detected	586.8 Detected	Pccb	2.119176598	1.76959191	1.48181818	1.2373737
A_51_P1421	55.7 Detected	70.9 Detected	72.6 Detected	118 Detected	Lancl1	2.118491921	1.30341113	1.66431594	1.0239774
A_55_P1988	315.8 Detected	317.3 Detected	271.9 Detected	669 Detected	Ins2	2.118429386	0.86098797	2.10841475	0.8569177
A_55_P1981	540.9 Detected	586 Detected	1131.4 Detected	1145.7 Detected	Ccdc125	2.118136439	2.09169902	1.95511945	1.9307167
A_55_P1959	29648.8 Detected	23755.6 Detected	61304.7 Detected	62792.5 Detected	Hnf4a	2.117876609	2.06769583	2.64327148	2.580642
A_55_P2367	18.7 Detected	59.7 Detected	52.7 Detected	39.6 Not Detect	Acer2	2.117647059	2.81818182	0.66331658	0.8827471
A_51_P3143	57319.9 Detected	49012 Detected	84948.3 Detected	121381.3 Detected	Crip2	2.117611859	1.48200363	2.47656288	1.7332143
A_55_P2085	107.2 Detected	121.5 Detected	256.6 Detected	227 Detected	Ifi2712b	2.117537313	2.39365672	1.86831276	2.1119342
A_51_P1953	3147.2 Detected	3851.2 Detected	3551.1 Detected	6662.6 Detected	Baiap211	2.116992883	1.1283363	1.73000623	0.9220762
A_55_P2034	687.6 Detected	690.6 Detected	731.8 Detected	1455.6 Detected	Nos3	2.116928447	1.06428156	2.10773241	1.0596583
A_51_P4591	1360.2 Detected	2171.3 Detected	2469.4 Detected	2879.2 Detected	Insl6	2.116747537	1.81546831	1.32602588	1.137291
A_52_P4410	316.2 Detected	426.8 Detected	409.3 Detected	669 Detected	Rfxap	2.115749526	1.2944339	1.56747891	0.9589972
A_55_P2233	17.3 Detected	10 Not Detect	52.7 Detected	36.6 Not Detect	AI662168	2.115606936	3.04624277	3.66	5.27
A_55_P2144	76.5 Detected	67.3 Detected	62.5 Detected	161.8 Detected	Gm17776	2.11503268	0.81699346	2.40416048	0.9286776

A_52_P4954	20.1 Detected	55.8 Detected	35.4 Detected	42.5 Not Detect	Anapc10	2.114427861	1.76119403	0.76164875	0.6344086
A_51_P3682	14.9 Detected	28.5 Detected	17.7 Detected	31.5 Not Detect	Phyhip	2.11409396	1.18791946	1.10526316	0.6210526
A_55_P2112	83 Detected	230.7 Detected	178 Detected	175.4 Detected	Rwdd3	2.113253012	2.14457831	0.76029476	0.7715648
A_55_P2100	151.7 Detected	103 Detected	213.5 Detected	320.3 Detected	Mapt	2.111404087	1.40738299	3.10970874	2.0728155
A_55_P2058	11068.2 Detected	10158.8 Detected	23047.2 Detected	23365.8 Detected	Pigyl	2.111074972	2.0822898	2.30005512	2.2686932
A_55_P2219	42.4 Detected	60.6 Detected	40.4 Detected	89.5 Detected	Wnt5a	2.110849057	0.95283019	1.47689769	0.6666667
A_55_P2031	93.9 Detected	63.7 Detected	127.4 Detected	198.2 Detected	Lrrc32	2.110756124	1.35676251	3.11145997	2
A_55_P1956	29 Detected	69.3 Detected	80.5 Detected	61.2 Detected	Gm5065	2.110344828	2.77586207	0.88311688	1.1616162
A_52_P2707	52 Detected	75.8 Detected	72.7 Detected	109.7 Detected	0610040B10Rik	2.109615385	1.39807692	1.44722955	0.9591029
A_55_P2370	12.8 Not Detect	34.3 Detected	27.7 Detected	27 Not Detect	2810429I04Rik	2.109375	2.1640625	0.78717201	0.8075802
A_51_P3171	626.3 Detected	1057.2 Detected	1197.1 Detected	1321 Detected	Eepd1	2.109212837	1.91138432	1.24952705	1.1323307
A_66_P1094	88.9 Detected	154.5 Detected	157.3 Detected	187.5 Detected	Rtn4ip1	2.109111361	1.76940382	1.21359223	1.018123
A_55_P1967	421.5 Detected	663.6 Detected	133.9 Detected	888.8 Detected	Stbd1	2.108659549	0.31767497	1.33936106	0.2017782
A_51_P4305	5945.7 Detected	12091.8 Detected	9484.5 Detected	12535.4 Detected	G6pc3	2.108313571	1.59518644	1.03668602	0.7843745
A_51_P4390	7769.3 Detected	10348.8 Detected	12133.8 Detected	16378.9 Detected	Hilpda	2.108156462	1.56176232	1.58268592	1.1724838
A_55_P2086	513.2 Detected	498.3 Detected	721.4 Detected	1081.9 Detected	Uevld	2.108144973	1.40568979	2.17118202	1.4477223
A_55_P2153	1506.2 Detected	1117.1 Detected	2514.4 Detected	3175.2 Detected	Slc26a6	2.108086575	1.66936662	2.84235968	2.250828
A_55_P2079	39.9 Detected	32.2 Detected	18.8 Detected	84.1 Detected	4930579G24Rik	2.107769424	0.47117794	2.61180124	0.5838509
A_55_P2177	293.7 Detected	322.1 Detected	1173.2 Detected	619 Detected	Hist2h2be	2.107592782	3.99455226	1.92176343	3.6423471
A_55_P2074	876 Detected	1753.7 Detected	960.8 Detected	1846 Detected	Fbxo8	2.107305936	1.09680365	1.05263158	0.5478702
A_52_P3118	57.9 Detected	530.7 Detected	3.1 Not Detect	122 Detected	Ddit4l	2.107081174	0.05354059	0.22988506	0.0058413
A_52_P1622	3505.7 Detected	4090.7 Detected	5076.8 Detected	7384.5 Detected	Ydjc	2.106426677	1.44815586	1.80519227	1.241059
A_52_P1485	378.7 Detected	306.8 Detected	484.8 Detected	797.7 Detected	Hpse	2.106416689	1.280169	2.60006519	1.5801825
A_55_P2151	5044.5 Detected	14279.7 Detected	8348 Detected	10624 Detected	Klra15	2.106056101	1.65487164	0.74399322	0.5846061
A_55_P2454	27.5 Detected	60.3 Detected	27.4 Detected	57.9 Detected	Gmeb1	2.105454545	0.99636364	0.960199	0.4543947
A_55_P2132	4.8 Not Detect	13.5 Not Detect	19.9 Detected	10.1 Not Detect	Tekt1	2.104166667	4.14583333	0.74814815	1.4740741
A_55_P2110	115.3 Detected	205.1 Detected	177.5 Detected	242.6 Detected	3830406C13Rik	2.104076323	1.53946227	1.18283764	0.8654315
A_51_P3000	190.5 Detected	254.1 Detected	282.1 Detected	400.8 Detected	4933440N22Rik	2.103937008	1.4808399	1.57733176	1.1101928
A_55_P2170	6203.3 Detected	17362.1 Detected	10715.3 Detected	13048.3 Detected	Klra22	2.103444941	1.7273548	0.75153927	0.6171661
A_65_P0232	256.5 Detected	315.5 Detected	9.3 Not Detect	539.3 Detected	Pogk	2.102534113	0.03625731	1.70935024	0.029477
A_55_P2099	33.3 Detected	40.9 Detected	33.1 Detected	70 Detected	Gm12633	2.102102102	0.99399399	1.71149144	0.809291
A_55_P2001	11372.8 Detected	10507.3 Detected	13287 Detected	23905.1 Detected	Coq2	2.101953784	1.16831387	2.27509446	1.2645494
A_55_P2216	106.1 Detected	113.4 Detected	124.7 Detected	223 Detected	2500002B13Rik	2.101790763	1.17530631	1.9664903	1.0996473
A_55_P2167	18.9 Detected	34.9 Detected	32 Detected	39.7 Not Detect	Eif5b	2.100529101	1.69312169	1.13753582	0.9169054
A_55_P2156	140 Detected	189.8 Detected	205.2 Detected	293.9 Detected	Upk1a	2.099285714	1.46571429	1.54847208	1.081138
A_55_P2067	464.3 Detected	784 Detected	671.5 Detected	974.2 Detected	D16Ert472e	2.098212363	1.44626319	1.24260204	0.8565051
A_55_P2115	14.4 Detected	30.2 Detected	13.5 Not Detect	30.2 Not Detect	4632428N05Rik	2.097222222	0.9375	1	0.4470199
A_55_P2051	41.3 Detected	32.5 Detected	73.8 Detected	86.6 Detected	Ccdc88c	2.0968523	1.78692494	2.66461538	2.2707692
A_52_P2279	31314.2 Detected	27179.5 Detected	61638 Detected	65661.1 Detected	Cystm1	2.096847437	1.96837218	2.41583178	2.2678121
A_55_P2044	111 Detected	81.5 Detected	85.4 Detected	232.7 Detected	Siah3	2.096396396	0.76936937	2.85521472	1.0478528

A_55_P2030	18.8 Detected	15.4 Not Detect	24.8 Detected	39.4 Not Detect	1700110M21Rik	2.095744681	1.31914894	2.55844156	1.6103896
A_52_P3290	3266.2 Detected	4077.2 Detected	3797.9 Detected	6844.5 Detected	Zzef1	2.095554467	1.16278856	1.6787256	0.9314971
A_55_P2022	179.4 Detected	167.8 Detected	243.9 Detected	375.9 Detected	Pira6	2.095317726	1.35953177	2.24016687	1.4535161
A_55_P1991	50.9 Detected	57.9 Detected	88.7 Detected	106.6 Detected	BC029214	2.094302554	1.74263261	1.84110535	1.5319516
A_55_P2149	16 Detected	18.4 Detected	18.1 Detected	33.5 Not Detect	Fpr-rs6	2.09375	1.13125	1.82065217	0.9836957
A_55_P2048	69.6 Detected	121.2 Detected	79.1 Detected	145.7 Detected	Rsph3a	2.093390805	1.13649425	1.20214521	0.6526403
A_55_P1963	25.7 Detected	29.8 Detected	24.2 Detected	53.8 Detected	1810058I24Rik	2.093385214	0.94163424	1.80536913	0.8120805
A_51_P4019	3892.8 Detected	4691 Detected	5946.8 Detected	8145.5 Detected	Aph1a	2.092452733	1.52764077	1.73641015	1.2677041
A_51_P1819	334.3 Detected	846.4 Detected	223 Detected	699.5 Detected	Yjefn3	2.092431947	0.66706551	0.8264414	0.2634688
A_55_P1968	7075.6 Detected	5329.7 Detected	11986.8 Detected	14795.2 Detected	Rhpn2	2.091017016	1.69410368	2.77599114	2.2490572
A_66_P1046	104.1 Detected	154.1 Detected	102.9 Detected	217.6 Detected	Ccl25	2.090297791	0.98847262	1.41207008	0.6677482
A_55_P2079	646.9 Detected	790 Detected	1294.1 Detected	1352 Detected	Sephs2	2.089967537	2.00046375	1.71139241	1.6381013
A_55_P2183	15.6 Not Detect	52.8 Detected	27.7 Detected	32.6 Not Detect	Hist1h1d	2.08974359	1.77564103	0.61742424	0.5246212
A_55_P1964	1957.9 Detected	2823.4 Detected	2899.7 Detected	4091.3 Detected	Asah1	2.089636856	1.48102559	1.4490685	1.0270242
A_55_P1955	23520.8 Detected	27611.4 Detected	26572.4 Detected	49148.7 Detected	Spg7	2.089584538	1.12974049	1.78001478	0.9623706
A_55_P2160	1265.6 Detected	1462.4 Detected	2498.9 Detected	2644.3 Detected	Pura	2.089364728	1.97447851	1.80819201	1.7087664
A_55_P2128	49.4 Detected	47.8 Detected	56.4 Detected	103.2 Detected	Nmnat3	2.089068826	1.1417004	2.15899582	1.1799163
A_55_P2273	1167.2 Detected	1117.8 Detected	2239.9 Detected	2437.2 Detected	A330044H09	2.088074023	1.91903701	2.18035427	2.0038468
A_55_P2036	34.8 Detected	17.9 Not Detect	24.6 Detected	72.6 Detected	Magi1	2.086206897	0.70689655	4.05586592	1.3743017
A_55_P2170	639.7 Detected	769.2 Detected	1043.9 Detected	1334.2 Detected	Ptgr2	2.085665156	1.63185868	1.73452938	1.3571243
A_55_P1971	603.8 Detected	404.7 Detected	523.3 Detected	1259.3 Detected	Acox3	2.085624379	0.86667771	3.11168767	1.2930566
A_52_P5170	818.5 Detected	1304.1 Detected	1184.2 Detected	1705.8 Detected	Immpt2l	2.0840562	1.44679291	1.30802853	0.9080592
A_55_P2123	19.3 Detected	24.2 Detected	19.1 Detected	40.2 Not Detect	Olfir353	2.082901554	0.98963731	1.66115702	0.7892562
A_55_P2157	18.2 Detected	23.4 Detected	15.3 Detected	37.9 Not Detect	Gm17783	2.082417582	0.84065934	1.61965812	0.6538462
A_51_P2434	25.8 Detected	27.1 Detected	17.5 Detected	53.7 Detected	Hsd17b1	2.081395349	0.67829457	1.98154982	0.6457565
A_52_P5160	1081.3 Detected	675 Detected	1520.9 Detected	2250.3 Detected	Leng9	2.081106076	1.40654767	3.33377778	2.2531852
A_52_P2370	260.2 Detected	1457.8 Detected	247.6 Detected	541.5 Detected	Esr1	2.081091468	0.95157571	0.37145013	0.169845
A_52_P1478	115.4 Detected	153.5 Detected	170.6 Detected	240.1 Detected	Syne4	2.080589255	1.47833622	1.56416938	1.1114007
A_55_P1965	25907.3 Detected	27561.6 Detected	77133.1 Detected	53898.6 Detected	Anxa8	2.080440648	2.97727281	1.95556862	2.7985712
A_55_P2241	292.7 Detected	468.1 Detected	284.6 Detected	608.9 Detected	Otud7b	2.080286983	0.97232661	1.30079043	0.6079897
A_55_P2037	4433.3 Detected	8668.7 Detected	6451.3 Detected	9220.6 Detected	Acsf3	2.079850224	1.45519139	1.06366583	0.7442062
A_55_P2073	73 Detected	103 Detected	107.7 Detected	151.8 Detected	Pin1	2.079452055	1.47534247	1.47378641	1.0456311
A_55_P2007	63.3 Detected	60.6 Detected	149.9 Detected	131.6 Detected	Sez6l2	2.078988942	2.36808847	2.17161716	2.4735974
A_52_P4227	679.1 Detected	1538.9 Detected	744.3 Detected	1411.7 Detected	Lsm6	2.078780739	1.09600942	0.91734356	0.4836572
A_55_P1959	12.7 Not Detect	10.2 Not Detect	22.5 Detected	26.4 Not Detect	Gm6899	2.078740157	1.77165354	2.58823529	2.2058824
A_55_P2018	101.9 Detected	134.1 Detected	149.3 Detected	211.8 Detected	Vps4b	2.078508342	1.46516192	1.57941834	1.1133482
A_55_P1991	7836.3 Detected	7591.7 Detected	10205.9 Detected	16287.3 Detected	Zscan21	2.078442632	1.30238761	2.1454088	1.3443498
A_51_P4309	7.7 Not Detect	18.5 Detected	15.4 Not Detect	16 Not Detect	Gm3643	2.077922078	2	0.86486486	0.8324324
A_51_P2902	726.9 Detected	605 Detected	1181.7 Detected	1509.6 Detected	Insig1	2.076764342	1.62567066	2.49520661	1.9532231
A_55_P2047	9256 Detected	16248.8 Detected	10723.5 Detected	19216.4 Detected	Clcn3	2.076101988	1.15854581	1.18263503	0.6599564

A_55_P2098	988.8 Detected	1200.5 Detected	1534.7 Detected	2052 Detected	Gnpda2	2.075242718	1.55208333	1.7092878	1.278384
A_51_P1696	8631 Detected	16344.8 Detected	10392.4 Detected	17910.2 Detected	Bst2	2.075101379	1.20407832	1.09577358	0.635823
A_52_P2675	187.8 Detected	207.2 Detected	286.7 Detected	389.7 Detected	Ginm1	2.075079872	1.52662407	1.88079151	1.3836873
A_55_P2099	150.6 Detected	158.4 Detected	309.2 Detected	312.5 Detected	Neil1	2.075033201	2.05312085	1.97285354	1.9520202
A_55_P2132	14.7 Detected	10.9 Not Detect	29.9 Detected	30.5 Not Detect	Anxa4	2.074829932	2.03401361	2.79816514	2.7431193
A_51_P4541	60.3 Detected	78.2 Detected	79.2 Detected	125.1 Detected	Ercc6	2.074626866	1.31343284	1.59974425	1.0127877
A_51_P3858	20.2 Detected	169 Detected	11.7 Not Detect	41.9 Not Detect	Cyp4f39	2.074257426	0.57920792	0.24792899	0.0692308
A_55_P1956	4.1 Not Detect	8.5 Not Detect	17.7 Detected	8.5 Not Detect	Gm6980	2.073170732	4.31707317	1	2.0823529
A_55_P2383	37.2 Detected	50.5 Detected	33.3 Detected	77.1 Detected	C130081A10Rik	2.072580645	0.89516129	1.52673267	0.6594059
A_51_P3853	1291.2 Detected	687.9 Detected	2338 Detected	2674.6 Detected	Slc44a3	2.071406444	1.81071871	3.88806513	3.3987498
A_55_P2063	20778 Detected	21157.2 Detected	27115.1 Detected	43026.5 Detected	Krcc1	2.07077197	1.30499086	2.03365757	1.2816015
A_55_P2129	75.1 Detected	169.9 Detected	190.8 Detected	155.5 Detected	Foxo3	2.07057257	2.54061252	0.91524426	1.1230135
A_55_P2253	513.4 Detected	992.9 Detected	743.9 Detected	1063 Detected	Nip7	2.070510323	1.44896767	1.07060127	0.7492195
A_55_P2045	6589 Detected	8496.6 Detected	6922.3 Detected	13642 Detected	Dpy19l1	2.070420398	1.05058431	1.60558341	0.8147141
A_66_P1069	1822.2 Detected	1520.5 Detected	2151.3 Detected	3771.3 Detected	Gm9926	2.069641093	1.18060586	2.48030253	1.4148635
A_52_P4588	615.5 Detected	813.1 Detected	908.2 Detected	1273.8 Detected	Slc25a16	2.069536962	1.47554833	1.56659697	1.1169598
A_55_P2107	216.4 Detected	210.9 Detected	242.1 Detected	447.8 Detected	Fam175a	2.069316081	1.11876155	2.12328118	1.1479374
A_52_P2606	2242.5 Detected	2409.6 Detected	1802 Detected	4639.2 Detected	Cpne3	2.068762542	0.80356745	1.9252988	0.747842
A_52_P6539	1494.9 Detected	2832.9 Detected	2015.5 Detected	3092.2 Detected	Rpl21	2.068499565	1.34825072	1.09153165	0.7114618
A_51_P4285	1558 Detected	2058.4 Detected	2488.9 Detected	3222.4 Detected	Fam134b	2.068292683	1.59749679	1.56548776	1.209143
A_55_P2110	683.5 Detected	1034.4 Detected	1400.9 Detected	1413.5 Detected	2700046G09Rik	2.068032187	2.04959766	1.36649265	1.3543117
A_55_P1992	407 Detected	446.5 Detected	475.5 Detected	841 Detected	Ubtf	2.066339066	1.16830467	1.88353863	1.0649496
A_51_P2661	2655.9 Detected	3072.6 Detected	4099.4 Detected	5487.4 Detected	Adpgk	2.066116947	1.54350691	1.78591421	1.3341795
A_51_P3923	25.9 Detected	216.5 Detected	55.5 Detected	53.5 Detected	Lrrn3	2.065637066	2.14285714	0.24711316	0.256351
A_55_P1988	103.7 Detected	174.7 Detected	100.9 Detected	214.2 Detected	Nek1	2.06557377	0.97299904	1.22610189	0.5775615
A_55_P2024	2234.9 Detected	2494.3 Detected	3428.7 Detected	4616.3 Detected	Gtpbp10	2.065551031	1.5341626	1.85073969	1.3746141
A_55_P2058	1426.7 Detected	2060 Detected	2627 Detected	2946.6 Detected	Fanci1	2.065325577	1.84131212	1.43038835	1.2752427
A_51_P5201	354.9 Detected	470.4 Detected	447.2 Detected	732.9 Detected	Gm5918	2.065088757	1.26007326	1.55803571	0.9506803
A_55_P1979	5096.9 Detected	6843 Detected	8465.4 Detected	10523.4 Detected	9630033F20Rik	2.064666758	1.66089191	1.53783428	1.237089
A_52_P4336	412.4 Detected	275.8 Detected	844.7 Detected	851.3 Detected	Igsf11	2.064258002	2.04825412	3.086657	3.0627266
A_52_P8669	4579.9 Detected	10536.1 Detected	2370.8 Detected	9453.4 Detected	Ifi27	2.064106203	0.51765322	0.89723902	0.2250168
A_51_P1604	66 Detected	102.6 Detected	71.4 Detected	136.2 Detected	Lcorl	2.063636364	1.08181818	1.32748538	0.6959064
A_55_P2263	58.3 Detected	125 Detected	59.5 Detected	120.3 Detected	A130078K24Rik	2.063464837	1.02058319	0.9624	0.476
A_52_P4624	691 Detected	778.3 Detected	927.1 Detected	1425.7 Detected	Copg1	2.063241679	1.34167873	1.83181293	1.1911859
A_66_P1389	443.2 Detected	414.3 Detected	615.1 Detected	914.1 Detected	Gm9908	2.0625	1.38786101	2.20637219	1.4846729
A_51_P1911	8.1 Not Detect	14.8 Detected	6.8 Not Detect	16.7 Not Detect	Rtdr1	2.061728395	0.83950617	1.12837838	0.4594595
A_51_P1340	9447 Detected	10835.1 Detected	11857.8 Detected	19469.6 Detected	Stxbp2	2.060929396	1.25519212	1.79690081	1.0943877
A_51_P2917	69.2 Detected	68.3 Detected	83.7 Detected	142.6 Detected	Olf1r521	2.060693642	1.20953757	2.08784773	1.2254758
A_55_P2194	562.2 Detected	733.1 Detected	441.7 Detected	1158.5 Detected	BC023969	2.060654571	0.78566346	1.58027554	0.6025099
A_51_P1942	48 Detected	84.8 Detected	82.3 Detected	98.9 Detected	Stmn4	2.060416667	1.71458333	1.16627358	0.9705189

A_51_P3023	13.6 Not Detect	16.9 Detected	53.1 Detected	28 Not Detect	Ltb	2.058823529	3.90441176	1.65680473	3.1420118
A_52_P2301	823.6 Detected	610.1 Detected	194.9 Detected	1695.3 Detected	Setbp1	2.058402137	0.236644	2.7787248	0.3194558
A_55_P2061	3347.3 Detected	5325.2 Detected	3706.9 Detected	6889.7 Detected	Tbc1d2	2.058285783	1.10742987	1.29379178	0.6961053
A_52_P4348	637.1 Detected	751.5 Detected	1061.2 Detected	1311.1 Detected	Gnpda2	2.057918694	1.66567258	1.74464405	1.4121091
A_55_P2040	943.3 Detected	1288.4 Detected	1392.7 Detected	1941 Detected	Bola1	2.057669882	1.47641259	1.50651971	1.0809531
A_51_P5149	123.2 Detected	124.1 Detected	151.8 Detected	253.3 Detected	Rsad1	2.056006494	1.23214286	2.04109589	1.2232071
A_66_P1075	93.1 Detected	80 Detected	201.6 Detected	191.4 Detected	Nlrp9c	2.055853921	2.16541353	2.3925	2.52
A_55_P2103	21.6 Detected	29.8 Detected	36.1 Detected	44.4 Not Detect	Fam170b	2.055555556	1.6712963	1.48993289	1.2114094
A_55_P2019	1932.5 Detected	2859.6 Detected	615.6 Detected	3971.7 Detected	Ndrp4	2.055213454	0.3185511	1.38890055	0.2152749
A_55_P2076	26993.8 Detected	40309.8 Detected	36780.6 Detected	55477.5 Detected	Pmvk	2.055194156	1.36255733	1.37627823	0.9124481
A_55_P2047	743.9 Detected	1001.7 Detected	1353.7 Detected	1528.4 Detected	Rell2	2.054577228	1.81973384	1.52580613	1.3514026
A_55_P2132	11.2 Not Detect	30.4 Detected	25.4 Detected	23 Not Detect	Gm550	2.053571429	2.26785714	0.75657895	0.8355263
A_52_P1666	162.4 Detected	170.5 Detected	213.4 Detected	333.2 Detected	Vamp1	2.051724138	1.31403941	1.9542522	1.2516129
A_55_P2037	71.6 Detected	70.8 Detected	56.4 Detected	146.9 Detected	Esyt1	2.051675978	0.7877095	2.07485876	0.7966102
A_52_P1561	176.8 Detected	174.9 Detected	200.8 Detected	362.6 Detected	Grpel1	2.050904977	1.13574661	2.07318468	1.1480846
A_55_P1956	43.3 Detected	53.6 Detected	57.8 Detected	88.8 Detected	Cpt1b	2.050808314	1.33487298	1.65671642	1.0783582
A_55_P2073	16 Detected	17.2 Not Detect	51.6 Detected	32.8 Not Detect	Daf2	2.05	3.225	1.90697674	3
A_66_P1016	387.2 Detected	661.7 Detected	369.1 Detected	793.7 Detected	4933411K20Rik	2.049845041	0.95325413	1.19948617	0.5578057
A_51_P1261	15917.6 Detected	19467.9 Detected	18638.9 Detected	32627.4 Detected	Map1lc3b	2.049768809	1.1709617	1.67595889	0.9574171
A_55_P2083	16.7 Detected	9.8 Not Detect	5.6 Not Detect	34.2 Not Detect	Gm10844	2.047904192	0.33532934	3.48979592	0.5714286
A_51_P1033	6.4 Not Detect	18.7 Detected	5.6 Not Detect	13.1 Not Detect	Vwf	2.046875	0.875	0.70053476	0.2994652
A_51_P1771	124.3 Detected	146.5 Detected	119.8 Detected	254.3 Detected	Utp18	2.045856798	0.96379726	1.73583618	0.8177474
A_55_P2083	96.9 Detected	87.2 Detected	121.1 Detected	198.2 Detected	1700085B13Rik	2.045407637	1.249742	2.27293578	1.3887615
A_55_P2079	770.2 Detected	959.8 Detected	521.4 Detected	1574.8 Detected	Cdk6	2.044663724	0.67696702	1.64075849	0.5432382
A_51_P3190	4.5 Not Detect	7.7 Not Detect	123.5 Detected	9.2 Not Detect	Cxcr3	2.044444444	27.4444444	1.19480519	16.038961
A_55_P2150	9 Not Detect	657.9 Detected	3.5 Not Detect	18.4 Not Detect	Dync1i1	2.044444444	0.38888889	0.02796778	0.00532
A_52_P5823	1662.6 Detected	1717.2 Detected	1873.2 Detected	3396.7 Detected	Nub1	2.043004932	1.12666907	1.97804566	1.0908456
A_52_P3400	1480.7 Detected	1818.9 Detected	2333.7 Detected	3024.6 Detected	Rundc1	2.042682515	1.57607888	1.66287317	1.2830282
A_51_P4275	2687.7 Detected	3290.5 Detected	2672.5 Detected	5486.3 Detected	Pgm1	2.041262046	0.99434461	1.667315	0.8121866
A_55_P2126	269.9 Detected	468.6 Detected	348.5 Detected	550.9 Detected	Dhodh	2.041126343	1.29121897	1.17562953	0.7437047
A_55_P2017	4671.2 Detected	2673.2 Detected	9186.4 Detected	9533.6 Detected	Igsf9	2.040931666	1.96660387	3.56636241	3.4364806
A_51_P3399	1298.4 Detected	1688.5 Detected	2107.4 Detected	2648.6 Detected	Cwf19I2	2.039895256	1.62307455	1.56861119	1.24809
A_52_P2147	1930 Detected	1734.5 Detected	3705.5 Detected	3934.8 Detected	Lcor	2.038756477	1.91994819	2.26855001	2.1363505
A_51_P3019	5850.8 Detected	6993.4 Detected	12465.6 Detected	11927.8 Detected	Arl6ip1	2.03866138	2.13058043	1.70557955	1.7824806
A_55_P1973	34.1 Detected	46.4 Detected	29.4 Detected	69.5 Detected	Ybx2	2.038123167	0.86217009	1.49784483	0.6336207
A_55_P2013	1982.9 Detected	2764 Detected	2954.4 Detected	4041.2 Detected	Esrp2	2.038025115	1.48993898	1.46208394	1.0688857
A_55_P2084	113.9 Detected	110.7 Detected	171.3 Detected	232.1 Detected	D830044I16Rik	2.037752414	1.50395083	2.09665763	1.5474255
A_52_P3509	276.1 Detected	462.1 Detected	266.8 Detected	562.6 Detected	Dennd2c	2.037667512	0.96631655	1.21748539	0.5773642
A_52_P4266	21.6 Detected	24.3 Detected	17.3 Not Detect	44 Not Detect	1700037C18Rik	2.037037037	0.80092593	1.81069959	0.7119342
A_55_P1972	546.7 Detected	215.2 Detected	241.9 Detected	1113.6 Detected	Celf5	2.036948967	0.44247302	5.17472119	1.1240706

A_55_P2184	62.3 Detected	52.4 Detected	59.4 Detected	126.9 Detected	Eomes	2.036918138	0.95345104	2.42175573	1.1335878
A_55_P1983	35.8 Detected	813.7 Detected	3.6 Not Detect	72.9 Detected	Amy1	2.036312849	0.10055866	0.08959076	0.0044242
A_55_P2069	3533.3 Detected	3022.3 Detected	5773.4 Detected	7194.6 Detected	Prr13	2.036226757	1.63399655	2.38050491	1.910267
A_52_P2232	47.7 Detected	79.9 Detected	46.4 Detected	97.1 Detected	Hsd17b11	2.035639413	0.97274633	1.21526909	0.5807259
A_55_P1973	8574 Detected	6670.7 Detected	14790.3 Detected	17447.7 Detected	Sema3b	2.034954514	1.72501749	2.61557258	2.2172036
A_51_P3190	4968.2 Detected	6678.7 Detected	11538.8 Detected	10109.9 Detected	Retsat	2.034922105	2.3225313	1.51375268	1.7277015
A_55_P1990	338.8 Detected	466.4 Detected	592.7 Detected	689.4 Detected	Ndfip2	2.034828808	1.74940968	1.47813036	1.2707976
A_51_P4197	103.7 Detected	75.5 Detected	86.7 Detected	211 Detected	Tha1	2.034715526	0.83606557	2.79470199	1.1483444
A_51_P5021	40.7 Detected	40.1 Detected	41.3 Detected	82.8 Detected	Mmp23	2.034398034	1.01474201	2.06483791	1.0299252
A_51_P1969	4468.6 Detected	6724.7 Detected	6903.7 Detected	9090.7 Detected	Cx3cl1	2.034350803	1.54493577	1.35183726	1.0266183
A_51_P3216	11.8 Not Detect	25.4 Detected	12 Not Detect	24 Not Detect	Ccdc30	2.033898305	1.01694915	0.94488189	0.4724409
A_51_P1902	8851.6 Detected	8807.6 Detected	10281.9 Detected	17994.7 Detected	Scrn1	2.032931899	1.16158661	2.04308779	1.1673895
A_55_P2325	42.8 Detected	45.6 Detected	35.3 Detected	87 Detected	1700060J05Rik	2.03271028	0.82476636	1.90789474	0.7741228
A_55_P2004	8665.3 Detected	23176.6 Detected	14972.8 Detected	17613.2 Detected	Klra4	2.032612835	1.72790325	0.75995616	0.6460309
A_55_P1955	259.4 Detected	146.4 Detected	1478.6 Detected	527.1 Detected	Ctla2a	2.031996916	5.7000771	3.60040984	10.099727
A_55_P2104	1973.4 Detected	1638 Detected	2594.1 Detected	4009.3 Detected	Pld1	2.031671227	1.31453329	2.4476801	1.5836996
A_51_P1346	1076.7 Detected	931.8 Detected	2286 Detected	2186.3 Detected	Asb13	2.03055633	2.12315408	2.34631895	2.4533162
A_55_P2005	417.2 Detected	646.1 Detected	415.4 Detected	847.1 Detected	3110057O12Rik	2.030441035	0.99568552	1.31109735	0.6429345
A_66_P1302	16080.8 Detected	14683.8 Detected	28956.8 Detected	32647.5 Detected	Slc25a1	2.030216158	1.80070643	2.22336861	1.9720236
A_51_P4053	20 Detected	63.7 Detected	44.5 Detected	40.6 Not Detect	Zdhhc15	2.03	2.225	0.63736264	0.6985871
A_51_P5147	421.9 Detected	388.4 Detected	84.5 Detected	856.2 Detected	Parp14	2.029390851	0.20028443	2.20442842	0.2175592
A_55_P2094	239.4 Detected	388.6 Detected	277.5 Detected	485.8 Detected	Terf2ip	2.029239766	1.15914787	1.25012867	0.7141019
A_55_P2099	914.4 Detected	1092.5 Detected	778.2 Detected	1855.2 Detected	Hmx2	2.028871391	0.85104987	1.69812357	0.7123112
A_55_P2150	53.9 Detected	53.8 Detected	34.1 Detected	109.3 Detected	Camk2b	2.027829314	0.63265306	2.03159851	0.633829
A_51_P4559	610.4 Detected	906.2 Detected	461.7 Detected	1237.7 Detected	Rac3	2.027686763	0.75638925	1.36581329	0.5094902
A_55_P1955	174.9 Detected	825 Detected	664.9 Detected	354.5 Detected	Ptpn5	2.026872499	3.80160091	0.42969697	0.8059394
A_55_P2044	280.4 Detected	423.3 Detected	296.3 Detected	568.1 Detected	Aoc2	2.026034237	1.05670471	1.34207418	0.6999764
A_52_P1675	40 Detected	147.7 Detected	185.5 Detected	81 Detected	Efcab12	2.025	4.6375	0.54840894	1.2559242
A_55_P2069	12475.6 Detected	13206.3 Detected	21818.6 Detected	25262.8 Detected	Psph	2.024976755	1.74890186	1.91293549	1.6521357
A_55_P2101	4.1 Not Detect	52.8 Detected	3 Not Detect	8.3 Not Detect	Kpna7	2.024390244	0.73170732	0.15719697	0.0568182
A_55_P2182	166.6 Detected	286.9 Detected	78.8 Detected	337.2 Detected	Arid3a	2.024009604	0.4729892	1.17532241	0.2746602
A_55_P2383	33.5 Detected	37.2 Detected	93.2 Detected	67.8 Detected	6820445E23Rik	2.023880597	2.78208955	1.82258065	2.5053763
A_51_P4437	275.6 Detected	370.8 Detected	363.9 Detected	557.7 Detected	Hivep2	2.023584906	1.32039187	1.50404531	0.9813916
A_55_P2084	13.1 Not Detect	12.3 Not Detect	19.1 Detected	26.5 Not Detect	9230110K08Rik	2.022900763	1.45801527	2.15447154	1.5528455
A_55_P2096	200.6 Detected	268.3 Detected	189.4 Detected	405.7 Detected	Tsc22d4	2.022432702	0.9441675	1.51211331	0.7059262
A_55_P2140	28.2 Detected	25.4 Detected	30.4 Detected	57 Detected	Entpd7	2.021276596	1.07801418	2.24409449	1.1968504
A_55_P2006	4.7 Not Detect	21.7 Detected	6.6 Not Detect	9.5 Not Detect	Fyb	2.021276596	1.40425532	0.43778802	0.3041475
A_52_P5133	477.9 Detected	700 Detected	561.8 Detected	965.8 Detected	Phkb	2.02092488	1.17555974	1.37971429	0.8025714
A_52_P1434	13596.4 Detected	16121.6 Detected	29256 Detected	27473.3 Detected	Tgoln1	2.020630461	2.15174605	1.70412986	1.8147082
A_55_P2186	34.1 Detected	35.1 Detected	30 Detected	68.9 Detected	Phc1	2.020527859	0.8797654	1.96296296	0.8547009

A_51_P4995	2600 Detected	4098 Detected	2731 Detected	5252.7 Detected	Ankrd10	2.020269231	1.05038462	1.2817716	0.6664226
A_55_P2143	39.9 Detected	150.2 Detected	33.5 Detected	80.6 Detected	Slc13a2	2.020050125	0.839599	0.53661784	0.223036
A_55_P1983	1093 Detected	754.5 Detected	1685.1 Detected	2207.8 Detected	Sh3d21	2.019945105	1.54172004	2.92617628	2.2333996
A_52_P2229	576.5 Detected	602.6 Detected	834.1 Detected	1163.7 Detected	Adck2	2.018560278	1.44683435	1.93113176	1.3841686
A_55_P2367	33.6 Detected	15.2 Not Detect	15.5 Not Detect	67.8 Detected	4933403J19Rik	2.017857143	0.46130952	4.46052632	1.0197368
A_51_P2208	4841.6 Detected	4743.3 Detected	6943.7 Detected	9766.5 Detected	Chmp2b	2.017205056	1.43417465	2.05900955	1.4638964
A_51_P1311	106.4 Detected	249.4 Detected	64.4 Detected	214.6 Detected	Enkur	2.016917293	0.60526316	0.86046512	0.2582197
A_51_P4484	326.1 Detected	423.4 Detected	323.3 Detected	657.6 Detected	Nupl2	2.016559338	0.99141368	1.55314124	0.7635805
A_51_P2298	985.6 Detected	1372.7 Detected	1122.4 Detected	1987.5 Detected	Fpgt	2.016538149	1.1387987	1.44787645	0.8176586
A_55_P1994	36844.8 Detected	54297.2 Detected	50812.8 Detected	74298.8 Detected	Xbp1	2.016534219	1.3791037	1.36837259	0.9358273
A_51_P1304	30.5 Detected	22 Detected	62.3 Detected	61.5 Detected	C920006O11Rik	2.016393443	2.04262295	2.79545455	2.8318182
A_52_P7722	56.1 Detected	77.6 Detected	64.5 Detected	113.1 Detected	Rnf212	2.016042781	1.14973262	1.45747423	0.8311856
A_51_P2769	1471.7 Detected	1814.6 Detected	1438.8 Detected	2966.4 Detected	Gmip	2.015628185	0.9776449	1.63474044	0.792902
A_55_P2003	7215.5 Detected	13670.3 Detected	14065.7 Detected	14540.5 Detected	Gldc	2.015175664	1.94937288	1.06365625	1.028924
A_51_P1968	3405.8 Detected	5456.5 Detected	3925.1 Detected	6858.6 Detected	Ist1	2.013799988	1.15247519	1.25695959	0.7193439
A_51_P4141	2721.2 Detected	3598.6 Detected	7786 Detected	5477 Detected	Naprt1	2.012714979	2.86123769	1.52198077	2.1636192
A_55_P2174	6259.2 Detected	3483.2 Detected	8241.3 Detected	12597.6 Detected	Lims2	2.012653374	1.31666986	3.61667432	2.366014
A_55_P1983	3815.8 Detected	5445.7 Detected	6601.1 Detected	7675.5 Detected	Plch1	2.011504796	1.72993868	1.40946068	1.2121674
A_52_P2532	6978.4 Detected	22242.4 Detected	8586.2 Detected	14035.2 Detected	Ankrd46	2.011234667	1.23039665	0.63101104	0.3860285
A_55_P2047	4623.4 Detected	7923.3 Detected	5478 Detected	9295.6 Detected	Clcn3	2.010555003	1.18484232	1.17319804	0.6913786
A_55_P2242	19.2 Detected	18.7 Detected	11 Not Detect	38.6 Not Detect	4930434J06Rik	2.010416667	0.57291667	2.06417112	0.5882353
A_51_P1613	9.8 Not Detect	33 Detected	10.7 Not Detect	19.7 Not Detect	4930448F12Rik	2.010204082	1.09183673	0.5969697	0.3242424
A_55_P2076	39.7 Detected	65.8 Detected	75.8 Detected	79.8 Detected	Hsd17b13	2.010075567	1.9093199	1.21276596	1.1519757
A_55_P2006	545.4 Detected	434.2 Detected	709.5 Detected	1096.2 Detected	Txnip	2.00990099	1.30088009	2.52464302	1.6340396
A_52_P4135	333.1 Detected	356.1 Detected	448.7 Detected	669.4 Detected	Nrip1	2.009606725	1.34704293	1.87980904	1.2600393
A_66_P1261	705.3 Detected	1164.3 Detected	946.1 Detected	1417 Detected	Ncoa1	2.009074153	1.341415	1.21704028	0.8125913
A_52_P4508	7296.2 Detected	11339.8 Detected	13004.5 Detected	14655.5 Detected	Cdpf1	2.008648337	1.78236616	1.29239493	1.1468015
A_55_P1991	21009.7 Detected	21545 Detected	33933.6 Detected	42182.7 Detected	S100a13	2.0077726	1.61513967	1.95788814	1.5750104
A_51_P3108	3923.2 Detected	6763.7 Detected	5464.7 Detected	7876.4 Detected	Pfkl	2.007646819	1.39291905	1.16451055	0.8079454
A_51_P3529	11816.2 Detected	8608.5 Detected	18082.5 Detected	23714.3 Detected	Marcks	2.006931162	1.53031431	2.75475402	2.1005402
A_52_P5051	121.9 Detected	177.3 Detected	140.1 Detected	244.5 Detected	Ntn3	2.005742412	1.14930271	1.37901861	0.7901861
A_55_P2153	19.8 Detected	14.5 Not Detect	22.4 Detected	39.7 Not Detect	Ppp2r3d	2.005050505	1.13131313	2.73793103	1.5448276
A_51_P4456	6267.7 Detected	7098.7 Detected	10190.8 Detected	12566.1 Detected	4931406C07Rik	2.004898129	1.62592338	1.77019736	1.4355868
A_55_P2295	24.3 Detected	29 Detected	22.6 Detected	48.7 Not Detect	A930007D18Rik	2.004115226	0.93004115	1.67931034	0.7793103
A_55_P2094	198.1 Detected	106.2 Detected	262.7 Detected	396.9 Detected	Phyhd1	2.003533569	1.32609793	3.73728814	2.4736347
A_51_P4842	1166.6 Detected	2459.3 Detected	2033.5 Detected	2336.9 Detected	Pcca	2.003171161	1.74309961	0.95022974	0.8268613
A_55_P2098	37.7 Detected	48.2 Detected	30.9 Detected	75.5 Detected	Zfp958	2.00265252	0.81962865	1.56639004	0.6410788
A_51_P3379	3382.1 Detected	4058.1 Detected	3726.9 Detected	6772.9 Detected	Bmp2k	2.002572366	1.10194849	1.66898302	0.9183855
A_66_P1110	72.8 Detected	165.3 Detected	88.3 Detected	145.7 Detected	Trav14d-3-dv8	2.001373626	1.21291209	0.88142771	0.5341803
A_51_P5090	6819.9 Detected	9266.2 Detected	9721.6 Detected	13646.2 Detected	Asah1	2.00093843	1.42547545	1.47268567	1.0491464

A_51_P1403	10675.8	Detected	16462.7	Detected	13248.2	Detected	21358.4	Detected	Cmc2	2.000636955	1.24095618	1.29738135	0.8047404
A_55_P1968	14.9	Detected	16.4	Not Detect	39.4	Detected	29.8	Not Detect	Cycs	2	2.6442953	1.81707317	2.402439
A_51_P1865	13.2	Not Detect	17.4	Detected	16.8	Detected	26.4	Not Detect	Theg	2	1.27272727	1.51724138	0.9655172
A_66_P1034	343.9	Detected	482.1	Detected	472.2	Detected	687.8	Detected	Tmc8	2	1.37307357	1.42667496	0.9794648
A_55_P2110	14	Not Detect	19.9	Detected	20.4	Detected	28	Not Detect	Krtap4-9	2	1.45714286	1.40703518	1.0251256
A_52_P1016	45.8	Detected	71.2	Detected	123.7	Detected	91.6	Detected	Ttc6	2	2.70087336	1.28651685	1.7373596
A_55_P1964	6.7	Not Detect	32.7	Detected	5.3	Not Detect	13.4	Not Detect	1700015G11Rik	2	0.79104478	0.40978593	0.1620795
A_66_P1019	6	Not Detect	32.3	Detected	8.2	Not Detect	12	Not Detect	Lce3b	2	1.36666667	0.37151703	0.25387
A_55_P2131	4.2	Not Detect	26.7	Detected	3.1	Not Detect	8.4	Not Detect	Catsperb	2	0.73809524	0.31460674	0.1161049
A_66_P1246	5.2	Not Detect	38.5	Detected	17.5	Not Detect	10.4	Not Detect	Mark1	2	3.36538462	0.27012987	0.4545455
A_55_P2178	3978.2	Detected	6230.5	Detected	4257	Detected	7954.1	Detected	Gm9199	1.999421849	1.07008195	1.27663911	0.6832517
A_51_P2080	1792.5	Detected	1515.6	Detected	2186	Detected	3583	Detected	Ulk3	1.99888424	1.2195258	2.36408023	1.4423331
A_66_P1095	358.7	Detected	78.3	Detected	391.5	Detected	716.2	Detected	Ehf	1.996654586	1.09144132	9.14687101	5
A_55_P1971	51.1	Detected	61.5	Detected	66.7	Detected	102	Detected	Paqr6	1.996086106	1.30528376	1.65853659	1.0845528
A_55_P1970	645.2	Detected	801	Detected	1077.9	Detected	1287.8	Detected	Ttc38	1.995970242	1.67064476	1.60774032	1.3456929
A_55_P2045	2461	Detected	2760	Detected	3242.9	Detected	4912	Detected	G630025P09Rik	1.995936611	1.31771638	1.77971014	1.1749638
A_52_P6019	316.6	Detected	460.1	Detected	297.7	Detected	631.9	Detected	Kdm5b	1.995893872	0.94030322	1.37339709	0.6470333
A_51_P1098	4872.1	Detected	3429.5	Detected	6415.8	Detected	9723.2	Detected	Coro1b	1.995689744	1.31684489	2.83516548	1.8707683
A_52_P9722	273.1	Detected	370	Detected	404.3	Detected	544.9	Detected	Bidc1	1.995239839	1.48041011	1.4727027	1.0927027
A_55_P2056	61.5	Detected	42	Detected	134.8	Detected	122.7	Detected	Zfp114	1.995121951	2.19186992	2.92142857	3.2095238
A_55_P2125	132	Detected	106.4	Detected	126.5	Detected	263.3	Detected	Fam71f2	1.99469697	0.95833333	2.47462406	1.1889098
A_52_P5818	2753.6	Detected	3589.7	Detected	5826.7	Detected	5490.2	Detected	Suclg2	1.993826264	2.11602992	1.52943143	1.6231719
A_55_P2031	2957.9	Detected	4462.7	Detected	3793.9	Detected	5894.7	Detected	Stat5b	1.992866561	1.28263295	1.32088198	0.8501356
A_52_P4069	388.4	Detected	418	Detected	505.3	Detected	774	Detected	Sepsecs	1.992790937	1.30097837	1.85167464	1.2088517
A_55_P1954	39.4	Detected	38.3	Detected	38.5	Detected	78.5	Detected	Myh14	1.992385787	0.97715736	2.04960836	1.0052219
A_51_P3884	4949.4	Detected	3511.9	Detected	9727.9	Detected	9860.7	Detected	Efnb1	1.992302097	1.96547056	2.80779635	2.7699821
A_55_P1957	918.7	Detected	1277.8	Detected	754	Detected	1830.3	Detected	Fam53b	1.992271688	0.82072494	1.43238378	0.5900767
A_55_P2009	25.5	Detected	54.4	Detected	22.5	Detected	50.8	Not Detect	Prrg1	1.992156863	0.88235294	0.93382353	0.4136029
A_51_P2180	47.6	Detected	63.9	Detected	56.1	Detected	94.8	Detected	Tatdn1	1.991596639	1.17857143	1.48356808	0.8779343
A_55_P2080	91.5	Detected	78.7	Detected	48	Detected	182.2	Detected	LOC101055828	1.991256831	0.52459016	2.31512071	0.6099111
A_66_P1398	5126.1	Detected	5557.5	Detected	9316.8	Detected	10203.7	Detected	Psph	1.990538616	1.81752209	1.83602339	1.6764372
A_51_P2697	254.1	Detected	441	Detected	463.2	Detected	505.7	Detected	Rad51b	1.990161354	1.82290437	1.14671202	1.0503401
A_55_P2008	40.1	Detected	59.9	Detected	55.4	Detected	79.8	Detected	Ydjc	1.990024938	1.38154613	1.33222037	0.9248748
A_55_P2106	5397	Detected	7194.4	Detected	6068.5	Detected	10732	Detected	Arfgap3	1.988512136	1.12442097	1.49171578	0.8435033
A_52_P3052	337.9	Detected	344.2	Detected	544.5	Detected	671.8	Detected	Spata13	1.988162178	1.6114235	1.95177223	1.5819291
A_52_P4295	359.1	Detected	1126.9	Detected	326.7	Detected	713.9	Detected	Elavl1	1.98802562	0.90977444	0.63350785	0.2899104
A_51_P3141	5292.9	Detected	9210.1	Detected	5914.2	Detected	10522.2	Detected	Nr2c2ap	1.987983903	1.11738366	1.14246317	0.6421429
A_51_P2924	218	Detected	238.6	Detected	173.8	Detected	433.3	Detected	Klhl36	1.987614679	0.79724771	1.81601006	0.7284158
A_55_P1962	11542.3	Detected	9415.3	Detected	15115	Detected	22936.4	Detected	Plac8	1.987160271	1.30953103	2.43607745	1.6053657
A_55_P2068	38.2	Detected	30.5	Detected	39.1	Detected	75.9	Detected	Gm10827	1.986910995	1.02356021	2.48852459	1.2819672

A_55_P2286	241	Detected	698.6	Detected	367.4	Detected	478.7	Detected	A930001C03Rik	1.986307054	1.52448133	0.6852276	0.525909
A_52_P5724	10598.7	Detected	13701.7	Detected	14544.4	Detected	21052.1	Detected	Agpat5	1.986290772	1.37228151	1.53645898	1.0615033
A_52_P3374	171.6	Detected	161.9	Detected	259	Detected	340.8	Detected	Izumo4	1.986013986	1.50932401	2.10500309	1.5997529
A_55_P2137	55.8	Detected	55.9	Detected	77	Detected	110.8	Detected	Nphp3	1.985663082	1.37992832	1.98211091	1.3774597
A_55_P1989	9037.9	Detected	655.9	Detected	22401.6	Detected	17942.6	Detected	Slco2a1	1.985262063	2.47862889	27.3556945	34.153987
A_55_P2112	60.4	Detected	56.5	Detected	88.7	Detected	119.9	Detected	Cep110	1.985099338	1.46854305	2.12212389	1.5699115
A_55_P2038	42.4	Detected	50.6	Detected	46.4	Detected	84.1	Detected	Trpm8	1.983490566	1.09433962	1.66205534	0.916996
A_52_P2354	1493.2	Detected	2822.9	Detected	1634.6	Detected	2961.1	Detected	Usp38	1.983056523	1.09469595	1.04895675	0.5790499
A_55_P2362	35.1	Detected	80.6	Detected	69.1	Detected	69.6	Detected	E130112N10Rik	1.982905983	1.96866097	0.86352357	0.8573201
A_55_P1998	328.3	Detected	912.5	Detected	528.6	Detected	650.9	Detected	Klra33	1.982637831	1.6101127	0.71331507	0.5792877
A_55_P2001	70.9	Detected	72.6	Detected	85	Detected	140.5	Detected	Pdlim5	1.981664316	1.19887165	1.93526171	1.1707989
A_51_P4909	179.7	Detected	135.4	Detected	210.7	Detected	356.1	Detected	Zfp784	1.98163606	1.17250974	2.62998523	1.55613
A_51_P4353	54.2	Detected	34.6	Detected	46.7	Detected	107.4	Detected	Lipe	1.981549815	0.86162362	3.10404624	1.349711
A_51_P4084	5.4	Not Detect	74	Detected	3.8	Not Detect	10.7	Not Detect	Col24a1	1.981481481	0.7037037	0.14459459	0.0513514
A_55_P2078	26.3	Detected	32.4	Detected	31.3	Detected	52.1	Detected	Gm13011	1.980988593	1.19011407	1.60802469	0.9660494
A_55_P1960	47.2	Detected	38.4	Detected	40.7	Detected	93.5	Detected	Styx11	1.980932203	0.86228814	2.43489583	1.0598958
A_55_P2096	5.2	Not Detect	10.1	Not Detect	25.8	Detected	10.3	Not Detect	Sftpb	1.980769231	4.96153846	1.01980198	2.5544554
A_52_P4848	1157.1	Detected	1638.9	Detected	2043.5	Detected	2291.4	Detected	Rfxank	1.980295567	1.76605306	1.39813289	1.2468729
A_66_P1275	10.1	Not Detect	20.5	Detected	12.7	Not Detect	20	Not Detect	Ifna12	1.98019802	1.25742574	0.97560976	0.6195122
A_55_P1961	1102.8	Detected	1118.7	Detected	968.4	Detected	2183.7	Detected	Akt3	1.980141458	0.8781284	1.95199785	0.8656476
A_55_P1962	209.7	Detected	192.6	Detected	194.6	Detected	415.2	Detected	Exoc3l2	1.979971388	0.92799237	2.15576324	1.0103842
A_52_P4800	15778.3	Detected	13721.5	Detected	18659.8	Detected	31231.8	Detected	Tmem134	1.979414766	1.18262424	2.27612142	1.3598951
A_55_P2183	4875.7	Detected	7623	Detected	5183.1	Detected	9650.9	Detected	Tbc1d2	1.979387575	1.06304736	1.26602388	0.6799292
A_51_P2903	14.3	Not Detect	21.4	Detected	14.8	Not Detect	28.3	Not Detect	Sval1	1.979020979	1.03496503	1.32242991	0.6915888
A_55_P2081	4735.7	Detected	3674.9	Detected	8727.7	Detected	9371.8	Detected	Slc2a8	1.978968262	1.8429588	2.55021905	2.374949
A_52_P1174	2312.7	Detected	4839.3	Detected	1901.9	Detected	4576.1	Detected	Tacc1	1.978682925	0.82237212	0.94561197	0.3930114
A_51_P2599	23820.8	Detected	31647.2	Detected	36238.4	Detected	47131	Detected	Arl6ip5	1.978564952	1.52129232	1.48926287	1.1450744
A_55_P2066	745.9	Detected	1958.8	Detected	1589.4	Detected	1475.7	Detected	Slc39a8	1.978415337	2.13084864	0.75336941	0.8114152
A_51_P2373	4164.5	Detected	625	Detected	7361.4	Detected	8238.7	Detected	Rnase4	1.978316725	1.76765518	13.18192	11.77824
A_55_P2042	72.6	Detected	99.3	Detected	164.2	Detected	143.6	Detected	Srgap1	1.977961433	2.26170799	1.44612286	1.653575
A_55_P2358	6813.7	Detected	6397.8	Detected	3624.3	Detected	13472.9	Detected	Trim56	1.977325095	0.53191364	2.10586452	0.5664916
A_55_P1965	728.3	Detected	1154.4	Detected	1189	Detected	1440	Detected	Mtmr14	1.977207195	1.632569	1.24740125	1.0299723
A_55_P2285	547.3	Detected	435.6	Detected	672	Detected	1081.8	Detected	A630038E17Rik	1.976612461	1.22784579	2.48347107	1.5426997
A_55_P2037	534.1	Detected	469.9	Detected	907.1	Detected	1055.7	Detected	BC040756	1.976596143	1.69837109	2.24664822	1.9304107
A_55_P2125	12.5	Not Detect	18.6	Detected	18.2	Detected	24.7	Not Detect	Rab11fip4os1	1.976	1.456	1.32795699	0.9784946
A_51_P4820	10326.7	Detected	14330.2	Detected	8987.5	Detected	20403.2	Detected	Mcoln1	1.975771544	0.87031675	1.42379032	0.627172
A_51_P4131	3671.9	Detected	2562.8	Detected	3696.4	Detected	7254.5	Detected	Ppm1l	1.975680166	1.00667229	2.83069299	1.4423287
A_52_P1200	564.1	Detected	883.9	Detected	596.3	Detected	1114	Detected	Erp44	1.974827158	1.05708208	1.26032357	0.6746238
A_55_P2335	92.7	Detected	424.2	Detected	625.5	Detected	183	Detected	D630045M09Rik	1.974110032	6.74757282	0.43140028	1.4745403
A_55_P2105	198.7	Detected	441.3	Detected	275	Detected	392.1	Detected	Ccr10	1.973326623	1.38399597	0.88851122	0.6231588

A_55_P2056	19877.2	Detected	29260.7	Detected	38520.7	Detected	39220.9	Detected	Sf3b5	1.973160204	1.93793391	1.34039514	1.3164654
A_51_P4325	433.2	Detected	678.7	Detected	532.5	Detected	854.7	Detected	Lace1	1.97299169	1.22922438	1.25931929	0.7845882
A_55_P2327	1655	Detected	2298.8	Detected	1326	Detected	3264.8	Detected	Exoc8	1.972688822	0.80120846	1.42021924	0.5768227
A_55_P2004	1568.3	Detected	4078.6	Detected	2536.2	Detected	3093.4	Detected	Klra7	1.97245425	1.61716508	0.75844653	0.621831
A_55_P2057	1344.1	Detected	2418.7	Detected	1623.6	Detected	2650.9	Detected	Mall	1.972249089	1.20794584	1.09600198	0.6712697
A_52_P4816	4282.2	Detected	3733.9	Detected	20736.8	Detected	8444.7	Detected	Wtip	1.972047079	4.84255756	2.26162993	5.553657
A_52_P9988	495	Detected	667.6	Detected	489.5	Detected	975.4	Detected	Cxcl16	1.970505051	0.98888889	1.46105452	0.7332235
A_55_P1973	11983.1	Detected	15979.9	Detected	16981.6	Detected	23612.4	Detected	Etfdh	1.970475086	1.41712912	1.47763127	1.062685
A_55_P2323	16.9	Detected	22.2	Detected	22.6	Detected	33.3	Not Detect	AA960618	1.970414201	1.33727811	1.5	1.018018
A_52_P5768	181.4	Detected	381.1	Detected	247.1	Detected	357.4	Detected	Cep44	1.970231533	1.36218302	0.9378116	0.6483863
A_55_P2274	26.8	Detected	32.3	Detected	31.9	Detected	52.8	Detected	9030625N01Rik	1.970149254	1.19029851	1.63467492	0.9876161
A_55_P2018	3130.5	Detected	4664.2	Detected	3470.7	Detected	6166.3	Detected	Kxd1	1.969749241	1.10867274	1.3220488	0.7441147
A_52_P5903	193.8	Detected	686.7	Detected	499.7	Detected	381.7	Detected	Sort1	1.969556244	2.57843137	0.5558468	0.7276831
A_55_P2152	25.9	Detected	18.3	Detected	196.1	Detected	51	Detected	Gapdhs	1.969111969	7.57142857	2.78688525	10.715847
A_55_P2100	2158.3	Detected	3165.3	Detected	2574.6	Detected	4249.9	Detected	Arnt	1.969096048	1.19288329	1.34265315	0.8133826
A_55_P2026	6.4	Not Detect	5.3	Not Detect	26.4	Detected	12.6	Not Detect	Stab2	1.96875	4.125	2.37735849	4.9811321
A_52_P1725	311.8	Detected	391.8	Detected	446.9	Detected	613.8	Detected	Dffa	1.968569596	1.43329057	1.56661562	1.140633
A_51_P4881	3821.7	Detected	3673.8	Detected	2436.3	Detected	7523.2	Detected	Bmper	1.968548028	0.63749117	2.04779792	0.6631553
A_55_P1955	28051.9	Detected	36609	Detected	23679.7	Detected	55207.9	Detected	Fam65a	1.968062769	0.8441389	1.50804174	0.6468273
A_52_P4084	210.7	Detected	244.7	Detected	298.9	Detected	414.6	Detected	Arpp19	1.967726626	1.41860465	1.69431957	1.2214957
A_55_P1982	6950.7	Detected	7702.2	Detected	11807.3	Detected	13671.9	Detected	Hsd3b7	1.966981743	1.69872099	1.77506427	1.5329776
A_55_P2398	17.8	Detected	15.1	Not Detect	11.1	Not Detect	35	Not Detect	B130024M06Rik	1.966292135	0.62359551	2.31788079	0.7350993
A_52_P6216	562.7	Detected	1024	Detected	964.9	Detected	1106.1	Detected	Dnajb4	1.965701084	1.71476808	1.08017578	0.9422852
A_55_P1993	145.4	Detected	133.1	Detected	221.3	Detected	285.8	Detected	Hemk1	1.965612105	1.52200825	2.1472577	1.6626597
A_55_P2036	287	Detected	241.9	Detected	428.7	Detected	564.1	Detected	Slc26a6	1.965505226	1.49372822	2.33195535	1.7722199
A_55_P1952	667	Detected	1014.2	Detected	712.7	Detected	1310.6	Detected	Fis1	1.964917541	1.06851574	1.29225005	0.7027214
A_55_P2015	150.7	Detected	171.1	Detected	109.1	Detected	296.1	Detected	Wwox	1.96483079	0.72395488	1.73056692	0.6376388
A_55_P2009	31655.2	Detected	58962.6	Detected	47844.9	Detected	62172.3	Detected	Cdk18	1.964046981	1.51143888	1.0544362	0.8114449
A_52_P2976	2929.4	Detected	3321.7	Detected	4981.5	Detected	5751	Detected	Pdia5	1.963200655	1.70051888	1.73134238	1.4996839
A_55_P1958	18.8	Detected	31.3	Detected	19.2	Detected	36.9	Not Detect	4833422C13Rik	1.962765957	1.0212766	1.17891374	0.6134185
A_51_P1676	13.4	Not Detect	17.6	Detected	6.1	Not Detect	26.3	Not Detect	2610204G22Rik	1.962686567	0.45522388	1.49431818	0.3465909
A_51_P1527	1995	Detected	2147.2	Detected	2561.3	Detected	3915	Detected	Nrip1	1.962406015	1.28385965	1.82330477	1.1928558
A_66_P1068	36.3	Detected	44.9	Detected	43.2	Detected	71.2	Detected	Kmo	1.961432507	1.19008264	1.5857461	0.9621381
A_52_P1531	7706.3	Detected	9647.2	Detected	11277.1	Detected	15110.2	Detected	Arl2bp	1.960759379	1.46336115	1.5662783	1.1689506
A_55_P1958	1200.4	Detected	1802.3	Detected	1601.3	Detected	2353.2	Detected	Imm2p2l	1.960346551	1.33397201	1.30566498	0.8884758
A_55_P2160	34521.3	Detected	31864.3	Detected	46691	Detected	67671.5	Detected	Tsc22d1	1.960282492	1.35252728	2.12374036	1.4653076
A_52_P5474	5398.5	Detected	4701.6	Detected	7618.8	Detected	10580.9	Detected	Sirt2	1.959970362	1.41128091	2.2504892	1.6204696
A_51_P1527	119.8	Detected	307.5	Detected	156.6	Detected	234.8	Detected	2810039B14Rik	1.959933222	1.30717863	0.76357724	0.5092683
A_51_P4854	456.7	Detected	2395.7	Detected	393.7	Detected	895.1	Detected	Gtsf1	1.959929932	0.86205386	0.37362775	0.1643361
A_55_P2167	17840.2	Detected	23065.7	Detected	24445	Detected	34960.2	Detected	Ldlr	1.959630497	1.37022006	1.51567913	1.0597987

A_55_P2017	318.6	Detected	442.5	Detected	293.8	Detected	624.2	Detected	Slc7a5	1.959196485	0.92215945	1.41062147	0.6639548
A_55_P2022	39.2	Detected	47.6	Detected	53.6	Detected	76.8	Detected	Xndr-trpc2	1.959183673	1.36734694	1.61344538	1.1260504
A_55_P2130	44	Detected	59.7	Detected	47.2	Detected	86.2	Detected	Pnpla1	1.959090909	1.07272727	1.4438861	0.7906198
A_55_P2065	175.2	Detected	169.6	Detected	102	Detected	343.2	Detected	Stk30	1.95890411	0.58219178	2.02358491	0.6014151
A_55_P2095	3446.9	Detected	4826.2	Detected	3620.1	Detected	6752.1	Detected	6430548M08Rik	1.958890597	1.05024805	1.39905101	0.7500932
A_66_P1022	80.1	Detected	160.8	Detected	111.4	Detected	156.9	Detected	Gcsh	1.958801498	1.39076155	0.97574627	0.6927861
A_52_P1824	592.1	Detected	612	Detected	931	Detected	1159.7	Detected	Rps6kb2	1.958621854	1.57236953	1.89493464	1.5212418
A_52_P5233	12412.3	Detected	14992.3	Detected	24203.7	Detected	24286	Detected	Tmem147	1.956607559	1.94997704	1.61989821	1.6144087
A_55_P2087	131.3	Detected	93.6	Detected	184.4	Detected	256.9	Detected	9530077C14Rik	1.956587966	1.40441736	2.74465812	1.9700855
A_55_P1958	1969.1	Detected	1844.5	Detected	3810.3	Detected	3851.8	Detected	Nbeal2	1.956122086	1.93504647	2.0882624	2.0657631
A_51_P4534	5659.2	Detected	5845.7	Detected	7203.6	Detected	11068	Detected	Slc1a5	1.955753463	1.27290076	1.89335751	1.2322904
A_55_P2020	9026.2	Detected	3026.9	Detected	18815.9	Detected	17651.5	Detected	Dhrs3	1.955584853	2.08458709	5.83154382	6.2162278
A_55_P2087	860.8	Detected	1113.2	Detected	1473.9	Detected	1682.8	Detected	Shroom1	1.954925651	1.71224442	1.51167805	1.3240208
A_55_P2158	2005.9	Detected	3449.6	Detected	2810.8	Detected	3920.5	Detected	Hist1h4i	1.954484271	1.40126626	1.13650858	0.8148191
A_55_P1978	8537.3	Detected	11775.4	Detected	8290.3	Detected	16684.4	Detected	Mospd3	1.954294683	0.97106814	1.41688605	0.7040355
A_55_P1958	1225	Detected	3488	Detected	2091.5	Detected	2393.8	Detected	Klra16	1.954122449	1.70734694	0.68629587	0.5996273
A_66_P1191	5334.3	Detected	5189.4	Detected	9619.6	Detected	10420.9	Detected	Cmtm6	1.953564666	1.80334814	2.00811269	1.8537018
A_55_P2028	8026.3	Detected	21289.3	Detected	13252.5	Detected	15679.1	Detected	Klra16	1.953465482	1.6511344	0.73647795	0.6224958
A_52_P6486	112.8	Detected	226.8	Detected	229.9	Detected	220.3	Detected	Dusp9	1.953014184	2.03812057	0.97134039	1.0136684
A_55_P2013	17751.1	Detected	21210.7	Detected	29054.2	Detected	34665.3	Detected	Gsn	1.952853626	1.63675491	1.63433079	1.3697898
A_55_P2149	202.6	Detected	203.5	Detected	208.7	Detected	395.5	Detected	Gm3448	1.952122409	1.03010859	1.94348894	1.0255528
A_55_P2099	120	Detected	86.5	Detected	142.3	Detected	234.2	Detected	Plekha6	1.951666667	1.18583333	2.70751445	1.6450867
A_52_P2781	4180.7	Detected	5490.5	Detected	5887.2	Detected	8158.6	Detected	Eif1ad	1.951491377	1.40818523	1.48594846	1.0722521
A_55_P2151	22.5	Detected	27.9	Detected	27.4	Detected	43.9	Not Detect	Sgcz	1.951111111	1.21777778	1.5734767	0.9820789
A_52_P5144	4915.2	Detected	12979.6	Detected	7990.6	Detected	9590	Detected	Klra15	1.951090495	1.62569173	0.73885174	0.6156276
A_55_P2018	9115.8	Detected	10932.8	Detected	17316.9	Detected	17783.9	Detected	Osbpl3	1.95088747	1.89965774	1.62665557	1.5839401
A_55_P1958	4802.6	Detected	8945.7	Detected	6640.5	Detected	9369.3	Detected	Dhodh	1.950880773	1.38268854	1.04735236	0.7423119
A_55_P2106	260.4	Detected	398	Detected	276.9	Detected	508	Detected	Kcna5	1.950844854	1.06336406	1.27638191	0.6957286
A_51_P1119	22455.9	Detected	36694.9	Detected	41657	Detected	43801.3	Detected	Nudt19	1.950547518	1.85505814	1.19366179	1.1352259
A_51_P1483	48.1	Detected	114.6	Detected	219.3	Detected	93.8	Detected	Fam117a	1.95010395	4.55925156	0.81849913	1.9136126
A_51_P4794	258.6	Detected	248.6	Detected	249.9	Detected	504	Detected	Hyal1	1.948955916	0.96635731	2.02735318	1.0052293
A_55_P2159	70.2	Detected	50.5	Detected	48.3	Detected	136.8	Detected	Gm5591	1.948717949	0.68803419	2.70891089	0.9564356
A_55_P1987	15.6	Detected	14.7	Not Detect	22.4	Detected	30.4	Not Detect	Fam196a	1.948717949	1.43589744	2.06802721	1.5238095
A_55_P2144	174.5	Detected	254.9	Detected	222.1	Detected	340	Detected	Recql5	1.948424069	1.27277937	1.33385641	0.8713221
A_66_P1404	17.3	Detected	19.9	Detected	9.6	Not Detect	33.7	Not Detect	Map1a	1.947976879	0.55491329	1.69346734	0.4824121
A_51_P2158	2992.7	Detected	2883.2	Detected	4260.4	Detected	5828.5	Detected	Aldh18a1	1.947572426	1.42359742	2.02153857	1.4776637
A_55_P2139	4463.2	Detected	5431.1	Detected	6885.1	Detected	8691.5	Detected	Cwc15	1.9473696	1.54263757	1.60032038	1.2677174
A_55_P2047	21403.7	Detected	20059	Detected	25596.1	Detected	41680.4	Detected	Coq2	1.947345552	1.19587268	2.07789022	1.2760407
A_55_P2097	6640.6	Detected	8635.4	Detected	6443.8	Detected	12930	Detected	Cnep1r1	1.947113213	0.97036412	1.49732496	0.7462075
A_66_P1305	785.8	Detected	1311.8	Detected	1132.7	Detected	1529.6	Detected	Ncoa1	1.946551285	1.44146093	1.16603141	0.86347

A_51_P2316	3585.4	Detected	4969.8	Detected	10721.7	Detected	6976.6	Detected	Zfp239	1.94583589	2.99037764	1.40379895	2.1573705
A_55_P2136	1448.7	Detected	1665.8	Detected	1877.4	Detected	2818.4	Detected	Slc1a5	1.945468351	1.29592048	1.6919198	1.1270261
A_55_P1998	667.8	Detected	1782.8	Detected	1030.1	Detected	1299.1	Detected	Klra23	1.945342917	1.5425277	0.72868521	0.577799
A_55_P2164	27.3	Detected	35.5	Detected	31.6	Detected	53.1	Detected	2010015L04Rik	1.945054945	1.15750916	1.49577465	0.8901408
A_66_P1169	202.7	Detected	234.7	Detected	289.1	Detected	394.2	Detected	Tia1	1.94474593	1.42624568	1.67959097	1.2317853
A_52_P6436	1948.7	Detected	2478.4	Detected	2151	Detected	3789.7	Detected	Ikbkb	1.944732386	1.1038128	1.52909135	0.8678986
A_51_P4818	7824.9	Detected	16721.2	Detected	8678.7	Detected	15215.9	Detected	Spcs3	1.944548812	1.10911322	0.90997656	0.5190238
A_55_P2257	53.8	Detected	51.3	Detected	46.3	Detected	104.6	Detected	Gm7111	1.944237918	0.8605948	2.03898635	0.9025341
A_52_P6198	21.4	Detected	38.3	Detected	24.4	Detected	41.6	Not Detect	4930518F22Rik	1.943925234	1.14018692	1.08616188	0.6370757
A_55_P1960	25261.5	Detected	22160.2	Detected	32355.6	Detected	49094.7	Detected	Acox1	1.943459415	1.28082655	2.21544481	1.4600771
A_52_P3543	8359.2	Detected	9453.1	Detected	11385	Detected	16244.1	Detected	1190002F15Rik	1.943260121	1.36197244	1.71838868	1.2043668
A_51_P2860	1578.5	Detected	2960.3	Detected	2227.2	Detected	3067.4	Detected	Ccdc117	1.943237251	1.41095977	1.03617877	0.7523562
A_52_P2002	6303.2	Detected	2866.2	Detected	3672.7	Detected	12247.6	Detected	Mocs1	1.943076533	0.58267229	4.27311423	1.281383
A_55_P2006	55.7	Detected	49.4	Detected	94.2	Detected	108.2	Detected	Ccdc85b	1.942549372	1.69120287	2.1902834	1.9068826
A_51_P5134	5.2	Not Detect	20.7	Detected	18.5	Detected	10.1	Not Detect	D630003M21Rik	1.942307692	3.55769231	0.48792271	0.8937198
A_51_P2397	912.8	Detected	1609.9	Detected	894.7	Detected	1770.7	Detected	Plcd1	1.93985539	0.9801709	1.09988198	0.5557488
A_51_P2882	8402.3	Detected	11336.4	Detected	12475.2	Detected	16295.7	Detected	Cdk5rap3	1.93943325	1.48473632	1.43746692	1.1004552
A_55_P1955	36.1	Detected	69.5	Detected	22.5	Detected	70	Detected	Pax9	1.939058172	0.6232687	1.00719424	0.323741
A_55_P2069	4256.6	Detected	6301.4	Detected	6665.5	Detected	8253.4	Detected	Slc50a1	1.938965371	1.56592116	1.30977243	1.0577808
A_55_P2202	24.5	Detected	23.3	Detected	21.5	Detected	47.5	Detected	4933400F21Rik	1.93877551	0.87755102	2.03862661	0.9227468
A_55_P2070	148.3	Detected	29.6	Detected	146.6	Detected	287.4	Detected	Ehf	1.937963587	0.98853675	9.70945946	4.9527027
A_55_P2036	563.8	Detected	742.1	Detected	1477.3	Detected	1092.6	Detected	Hist3h2ba	1.937921249	2.62025541	1.47230831	1.9907021
A_55_P2375	90.2	Detected	86.8	Detected	77.4	Detected	174.8	Detected	P2rx3	1.937915743	0.85809313	2.01382488	0.8917051
A_55_P1964	182	Detected	170.2	Detected	256.4	Detected	352.7	Detected	Elac1	1.937912088	1.40879121	2.07226792	1.506463
A_52_P4671	4431.9	Detected	7130	Detected	6155.8	Detected	8587.6	Detected	Snd1	1.937679099	1.38897538	1.20443198	0.8633661
A_55_P2068	30.4	Detected	32.5	Detected	39.2	Detected	58.9	Detected	Pear1	1.9375	1.28947368	1.81230769	1.2061538
A_55_P2031	47.4	Detected	11.8	Not Detect	1636.5	Detected	91.8	Detected	Abcg5	1.936708861	34.5253165	7.77966102	138.68644
A_55_P2048	12067	Detected	5281.7	Detected	49782.6	Detected	23363.2	Detected	Zfpm1	1.936123312	4.12551587	4.42342428	9.425488
A_52_P745	1615	Detected	1237.9	Detected	1673.2	Detected	3126.4	Detected	Acox3	1.935851393	1.03603715	2.52556749	1.3516439
A_55_P2052	51.3	Detected	62.8	Detected	55.4	Detected	99.3	Detected	A3galt2	1.935672515	1.07992203	1.58121019	0.8821656
A_51_P1719	421.7	Detected	542.4	Detected	402.6	Detected	815.8	Detected	Apoe	1.934550628	0.95470714	1.50405605	0.7422566
A_51_P3419	47516.3	Detected	41671.7	Detected	61589.6	Detected	91922.3	Detected	Tsc22d1	1.934542462	1.29617836	2.20586873	1.4779719
A_55_P1969	1041.1	Detected	1401.7	Detected	1845.1	Detected	2013.8	Detected	Lym5	1.934300259	1.77226011	1.43668403	1.3163302
A_55_P2116	1229.1	Detected	1446.7	Detected	1222.2	Detected	2377.2	Detected	Tesk2	1.934098121	0.99438614	1.64318794	0.8448192
A_55_P2069	80.7	Detected	89.6	Detected	72.8	Detected	156	Detected	Kctd1	1.933085502	0.90210657	1.74107143	0.8125
A_52_P2255	3813.9	Detected	4151.7	Detected	4841.1	Detected	7370.2	Detected	Parva	1.932457589	1.26933061	1.77522461	1.1660525
A_55_P2024	13.3	Not Detect	15.1	Detected	14.6	Not Detect	25.7	Not Detect	Gm1987	1.932330827	1.09774436	1.70198675	0.9668874
A_55_P2100	3737.1	Detected	5569.6	Detected	4946.3	Detected	7220.8	Detected	Lrba	1.932193412	1.3235664	1.29646653	0.8880889
A_55_P2035	459.1	Detected	469.4	Detected	653.7	Detected	886.9	Detected	D3Erd751e	1.931823132	1.42387279	1.88943332	1.3926289
A_55_P2144	4.4	Not Detect	11.3	Not Detect	17.8	Detected	8.5	Not Detect	Gm6772	1.931818182	4.04545455	0.75221239	1.5752212

A_52_P1749	1102.3	Detected	2091.8	Detected	1286.8	Detected	2129.4	Detected	Gja1	1.931779008	1.1673773	1.01797495	0.615164
A_51_P1213	503.2	Detected	693.1	Detected	810.4	Detected	971.9	Detected	Them4	1.931438792	1.61049285	1.40225076	1.1692396
A_55_P2107	191.6	Detected	184.4	Detected	165.6	Detected	370	Detected	Tssk5	1.931106472	0.86430063	2.00650759	0.8980477
A_51_P3117	841.6	Detected	736.1	Detected	1000.1	Detected	1625	Detected	Man2b2	1.930846008	1.18833175	2.20758049	1.3586469
A_52_P5747	117.7	Detected	280.6	Detected	151.9	Detected	227.2	Detected	Oit3	1.930331351	1.29056924	0.80969351	0.54134
A_55_P2038	12.8	Not Detect	20.9	Detected	29.9	Detected	24.7	Not Detect	Cst8	1.9296875	2.3359375	1.18181818	1.430622
A_55_P2182	4281.8	Detected	4212.1	Detected	5532.8	Detected	8261.7	Detected	Orai3	1.92949227	1.29216685	1.96142067	1.3135491
A_55_P2160	116.4	Detected	129.6	Detected	138.2	Detected	224.5	Detected	Foxd4	1.928694158	1.18728522	1.73225309	1.066358
A_55_P2143	3991.8	Detected	1975.7	Detected	5579.4	Detected	7698.7	Detected	Nkd2	1.928628689	1.39771532	3.89669484	2.8240117
A_55_P2032	22.1	Detected	29.3	Detected	25.3	Detected	42.6	Not Detect	Cpt1c	1.92760181	1.14479638	1.45392491	0.8634812
A_55_P2055	14813.5	Detected	17265.7	Detected	25061	Detected	28549.2	Detected	Gsn	1.927242043	1.69176764	1.65352114	1.4514905
A_52_P1850	42095.6	Detected	41069.7	Detected	64960.2	Detected	81124.2	Detected	Adipor2	1.927142029	1.5431589	1.97528105	1.5817062
A_52_P3159	38.2	Detected	30.9	Detected	235.6	Detected	73.6	Detected	Tpm2	1.926701571	6.16753927	2.38187702	7.6245955
A_52_P4426	8650.6	Detected	9597.9	Detected	8534.2	Detected	16660.4	Detected	Cux1	1.925924213	0.98654429	1.73583805	0.8891737
A_51_P3592	6529.4	Detected	9070.8	Detected	10403.3	Detected	12573.8	Detected	Sec11c	1.925720587	1.59330107	1.38618424	1.1468999
A_55_P2091	1077.5	Detected	959.7	Detected	1872.2	Detected	2074.8	Detected	Coa4	1.925568445	1.7375406	2.1619256	1.950818
A_55_P2252	72.3	Detected	82.1	Detected	72.8	Detected	139.2	Detected	BB283564	1.925311203	1.00691563	1.6954933	0.8867235
A_52_P6687	755.5	Detected	1367.8	Detected	802.4	Detected	1454.2	Detected	Nutf2	1.924818001	1.06207809	1.06316713	0.5866355
A_55_P2404	366.7	Detected	629.2	Detected	380.8	Detected	705.8	Detected	Ccdc130	1.924734115	1.03845105	1.12174189	0.605213
A_51_P3748	9279.8	Detected	7252.3	Detected	10119.2	Detected	17855.4	Detected	Abca7	1.924114744	1.09045454	2.46203273	1.3953091
A_52_P1357	3596.9	Detected	4786.7	Detected	5049.5	Detected	6920.8	Detected	Creb3	1.924101309	1.40384776	1.44583951	1.0549021
A_51_P2955	615.2	Detected	558.9	Detected	1319.8	Detected	1183.6	Detected	Cutc	1.923927178	2.1453186	2.11773126	2.3614242
A_55_P2055	1032.6	Detected	842	Detected	945.7	Detected	1986.5	Detected	Parp3	1.923784621	0.9158435	2.35926366	1.1231591
A_52_P4348	1151.8	Detected	1141.4	Detected	1923.2	Detected	2215.5	Detected	Coa4	1.923511026	1.66973433	1.94103732	1.6849483
A_51_P4330	1127.1	Detected	630.1	Detected	1711.5	Detected	2167.5	Detected	Ppapdc2	1.923076923	1.5184988	3.43993017	2.7162355
A_55_P2056	26168	Detected	37561.1	Detected	48850.2	Detected	50303.1	Detected	Sf3b5	1.922313513	1.8667915	1.33923394	1.300553
A_55_P1997	47.5	Detected	56.2	Detected	46.4	Detected	91.3	Detected	Cwc22	1.922105263	0.97684211	1.62455516	0.8256228
A_55_P2024	970.6	Detected	1172.9	Detected	1083.9	Detected	1865.4	Detected	Siah2	1.921903977	1.11673192	1.59041692	0.9241197
A_51_P4077	346.5	Detected	572.8	Detected	365.1	Detected	665.8	Detected	Slc22a21	1.921500722	1.05367965	1.16236034	0.6373953
A_51_P2028	544.3	Detected	776.5	Detected	672.5	Detected	1045.8	Detected	Abcb9	1.921366893	1.23553188	1.34681262	0.8660657
A_55_P2005	15.2	Detected	14.9	Not Detect	22.5	Detected	29.2	Not Detect	Lyz14	1.921052632	1.48026316	1.95973154	1.5100671
A_55_P2030	11.4	Not Detect	28.8	Detected	16.6	Detected	21.9	Not Detect	Atp1a2	1.921052632	1.45614035	0.76041667	0.5763889
A_55_P2089	37.9	Detected	25.6	Detected	34.2	Detected	72.8	Detected	Rgs7	1.920844327	0.90237467	2.84375	1.3359375
A_55_P2117	2465.7	Detected	3934.9	Detected	3218.6	Detected	4736	Detected	Tmem106b	1.920752727	1.30534939	1.2035884	0.8179623
A_55_P1979	27.7	Detected	28.7	Detected	35.9	Detected	53.2	Detected	Arap3	1.920577617	1.29602888	1.85365854	1.2508711
A_66_P1066	35461.6	Detected	47415.4	Detected	31258.8	Detected	68106.4	Detected	Slc7a1	1.9205676	0.88148307	1.43637721	0.6592542
A_52_P1173	85.5	Detected	128.6	Detected	95.9	Detected	164.2	Detected	Gja4	1.920467836	1.12163743	1.27682737	0.7457232
A_51_P2662	13.8	Not Detect	22.5	Detected	11.7	Not Detect	26.5	Not Detect	Ighv14-2	1.920289855	0.84782609	1.17777778	0.52
A_55_P2043	27.6	Detected	53.9	Detected	38	Detected	53	Detected	Zfp667	1.920289855	1.37681159	0.98330241	0.7050093
A_51_P1834	18.8	Detected	12.2	Not Detect	15.4	Not Detect	36.1	Not Detect	Htr6	1.920212766	0.81914894	2.95901639	1.2622951

A_55_P2075	77.6 Detected	95.4 Detected	79.6 Detected	149 Detected	Gm10471	1.920103093	1.0257732	1.56184486	0.8343816
A_55_P2105	5 Not Detect	115.7 Detected	5.6 Not Detect	9.6 Not Detect	Mmp1b	1.92	1.12	0.08297321	0.048401
A_55_P2288	137.1 Detected	150.6 Detected	249.7 Detected	263.2 Detected	LOC497255	1.919766594	1.82129832	1.74767596	1.6580345
A_55_P2029	287.8 Detected	310.2 Detected	283.2 Detected	552.5 Detected	Fam214a	1.919735928	0.98401668	1.78110896	0.9129594
A_51_P1233	32 Detected	37.1 Detected	32.5 Detected	61.4 Detected	Olfcr74	1.91875	1.015625	1.65498652	0.8760108
A_55_P1994	312.7 Detected	350.1 Detected	513 Detected	599.9 Detected	Hrc	1.918452191	1.64055005	1.71351043	1.4652956
A_55_P1968	3741.4 Detected	3918.4 Detected	3363.7 Detected	7175 Detected	Btbd1	1.917731331	0.89904848	1.83110453	0.8584371
A_55_P2028	24532.8 Detected	29509.8 Detected	36269.1 Detected	47045.4 Detected	Slc39a11	1.917653101	1.47839219	1.59422971	1.2290527
A_55_P2095	882.1 Detected	978.3 Detected	704.8 Detected	1691.3 Detected	A430033K04Rik	1.917356309	0.79900238	1.72881529	0.7204334
A_52_P1106	119.5 Detected	195.8 Detected	164.7 Detected	229.1 Detected	Orc3	1.917154812	1.37824268	1.1700715	0.8411645
A_55_P1980	22007.4 Detected	32187.4 Detected	20040.7 Detected	42182.7 Detected	Znhit1	1.916750729	0.9106346	1.31053456	0.6226256
A_52_P3121	20.4 Detected	12.2 Not Detect	24.1 Detected	39.1 Not Detect	Kndc1	1.916666667	1.18137255	3.20491803	1.9754098
A_55_P1993	150 Detected	192.1 Detected	202.5 Detected	287.5 Detected	Tmem116	1.916666667	1.35	1.49661635	1.0541385
A_55_P2103	20.2 Detected	49.3 Detected	17.2 Detected	38.7 Not Detect	Slc25a18	1.915841584	0.85148515	0.78498986	0.3488844
A_55_P2111	112.8 Detected	84.7 Detected	142 Detected	216.1 Detected	Noxo1	1.915780142	1.25886525	2.55135773	1.6765053
A_55_P2063	81.9 Detected	120 Detected	154.6 Detected	156.9 Detected	Tmem168	1.915750916	1.88766789	1.3075	1.2883333
A_52_P1144	2831.3 Detected	2997.6 Detected	3841.8 Detected	5422.8 Detected	Stat6	1.915303924	1.35690319	1.80904724	1.2816253
A_52_P3063	3769.7 Detected	5355.3 Detected	5809.9 Detected	7219.6 Detected	Asph	1.915165663	1.54121018	1.34812242	1.0848879
A_55_P2154	21.2 Detected	28.7 Detected	19.8 Detected	40.6 Not Detect	Ppp1cb	1.91509434	0.93396226	1.41463415	0.6898955
A_55_P1970	11218.6 Detected	12153.1 Detected	14344.4 Detected	21475.7 Detected	Mlit6	1.914294119	1.27862657	1.76709646	1.1803079
A_55_P2095	31.5 Detected	37.7 Detected	100.3 Detected	60.3 Detected	Pvrl3	1.914285714	3.18412698	1.5994695	2.6604775
A_52_P5650	652.5 Detected	763.4 Detected	545.7 Detected	1248.9 Detected	Cpne3	1.914022989	0.83632184	1.63597066	0.7148284
A_55_P2145	540.7 Detected	421.5 Detected	398.8 Detected	1034.9 Detected	Fastk	1.91400037	0.73756242	2.45527877	0.9461447
A_55_P2083	81.2 Detected	75.1 Detected	73.5 Detected	155.4 Detected	Gm2044	1.913793103	0.90517241	2.06924101	0.9786951
A_55_P2367	10.4 Not Detect	29.9 Detected	20 Detected	19.9 Not Detect	Acer2	1.913461538	1.92307692	0.66555184	0.6688963
A_55_P1997	40.4 Detected	85.2 Detected	54.8 Detected	77.3 Detected	Gm4871	1.913366337	1.35643564	0.907277	0.6431925
A_55_P2146	17.3 Detected	12.5 Not Detect	11.3 Not Detect	33.1 Not Detect	Gm11691	1.913294798	0.65317919	2.648	0.904
A_55_P1998	117 Detected	202 Detected	45.7 Detected	223.8 Detected	Oas1c	1.912820513	0.39059829	1.10792079	0.2262376
A_52_P3931	42.4 Detected	85.1 Detected	44.1 Detected	81.1 Detected	Lymr9	1.912735849	1.04009434	0.95299647	0.5182139
A_55_P2083	2048.1 Detected	2382.3 Detected	2010.3 Detected	3917.1 Detected	Purb	1.912553098	0.98154387	1.64425135	0.8438484
A_51_P2451	30.8 Detected	23.2 Detected	17 Not Detect	58.9 Detected	4930591A17Rik	1.912337662	0.55194805	2.5387931	0.7327586
A_51_P1308	696.3 Detected	1194.2 Detected	883.9 Detected	1331.5 Detected	Cog8	1.912250467	1.2694241	1.11497237	0.7401608
A_66_P1358	227.9 Detected	231.6 Detected	229.9 Detected	435.7 Detected	2410080I02Rik	1.911803423	1.00877578	1.88126079	0.9926598
A_52_P1042	10.2 Not Detect	12.1 Not Detect	18.9 Detected	19.5 Not Detect	Akap5	1.911764706	1.85294118	1.61157025	1.5619835
A_55_P2014	691.2 Detected	797.9 Detected	356.3 Detected	1321.4 Detected	Lrp8	1.911747685	0.51548032	1.65609726	0.4465472
A_55_P2381	1110.4 Detected	696.6 Detected	1311.3 Detected	2122.5 Detected	Jam2	1.911473343	1.18092579	3.04694229	1.8824289
A_55_P2110	27 Detected	38.6 Detected	26.4 Detected	51.6 Not Detect	BC107364	1.911111111	0.97777778	1.33678756	0.6839378
A_51_P4137	18 Detected	28.3 Detected	30.7 Detected	34.4 Not Detect	Ftcd	1.911111111	1.70555556	1.2155477	1.0848057
A_55_P2170	28.1 Detected	24.2 Detected	38.9 Detected	53.7 Detected	Gm10366	1.911032028	1.38434164	2.21900826	1.607438
A_52_P3551	732.2 Detected	774.1 Detected	777.9 Detected	1399.2 Detected	Gdap2	1.910953291	1.06241464	1.80751841	1.0049089

A_55_P2171	79.5 Detected	151.6 Detected	94.9 Detected	151.9 Detected	Zfp786	1.910691824	1.19371069	1.00197889	0.6259894
A_51_P1968	7492.6 Detected	9095 Detected	14050.6 Detected	14311.6 Detected	Osbpl3	1.910097963	1.87526359	1.57356789	1.5448708
A_51_P3003	16147.6 Detected	25504.3 Detected	16120 Detected	30833.7 Detected	Wwc2	1.909491194	0.99829077	1.20896084	0.6320503
A_55_P2347	28.6 Detected	30.8 Detected	24.6 Detected	54.6 Detected	D430040L24Rik	1.909090909	0.86013986	1.77272727	0.7987013
A_55_P2167	140.7 Detected	126.8 Detected	193.9 Detected	268.6 Detected	Fcho1	1.909026297	1.37810945	2.11829653	1.5291798
A_55_P2062	3468.9 Detected	4095 Detected	4003.1 Detected	6621.2 Detected	Tmem238	1.908731875	1.15399694	1.61689866	0.977558
A_55_P2087	119.3 Detected	130.7 Detected	95.7 Detected	227.6 Detected	Ly6i	1.907795474	0.80217938	1.7413925	0.7322112
A_55_P2093	162.6 Detected	151.1 Detected	152.7 Detected	310.2 Detected	Apod	1.907749077	0.93911439	2.05294507	1.010589
A_55_P2425	59.5 Detected	76.3 Detected	88.2 Detected	113.5 Detected	1700017107Rik	1.907563025	1.48235294	1.48754915	1.1559633
A_55_P2039	6038.7 Detected	5602.6 Detected	6989.1 Detected	11519.1 Detected	Hspb6	1.907546326	1.15738487	2.05602756	1.2474744
A_55_P2049	1468.7 Detected	1831.3 Detected	2674.5 Detected	2800.8 Detected	Sh3bp5	1.906992578	1.82099816	1.52940534	1.4604379
A_51_P2964	3702 Detected	4849.2 Detected	5216.6 Detected	7057.6 Detected	Lss	1.906428957	1.4091302	1.45541533	1.0757651
A_55_P2269	26.7 Detected	30.8 Detected	55.5 Detected	50.9 Detected	4833417C18Rik	1.906367041	2.07865169	1.6525974	1.8019481
A_52_P3941	83.3 Detected	132.2 Detected	137.3 Detected	158.8 Detected	Ccpg1	1.906362545	1.6482593	1.20121029	1.0385779
A_55_P2019	1107.1 Detected	1029.7 Detected	2111.3 Detected	2109.9 Detected	Neil1	1.905789902	1.90705447	2.04904341	2.050403
A_55_P2224	203.1 Detected	167.8 Detected	194.5 Detected	387 Detected	D230044B12Rik	1.905465288	0.95765633	2.30631704	1.159118
A_55_P2011	63.2 Detected	57.8 Detected	39.4 Detected	120.4 Detected	Trav6-3	1.905063291	0.62341772	2.08304498	0.6816609
A_55_P1961	1415 Detected	1351.4 Detected	2285 Detected	2695 Detected	Ypel3	1.90459364	1.61484099	1.99422821	1.6908391
A_55_P2088	1745.9 Detected	1886.9 Detected	2748.4 Detected	3325 Detected	Deb1	1.904461882	1.57420242	1.76214956	1.456569
A_55_P2192	24 Detected	31.4 Detected	8.9 Not Detect	45.7 Not Detect	BB157357	1.904166667	0.37083333	1.45541401	0.2834395
A_55_P2098	17.7 Detected	4.1 Not Detect	4.7 Not Detect	33.7 Not Detect	Col26a1	1.903954802	0.26553672	8.2195122	1.1463415
A_51_P3909	13.5 Not Detect	21.3 Detected	6.7 Not Detect	25.7 Not Detect	Gm9961	1.903703704	0.4962963	1.20657277	0.314554
A_55_P1956	104.2 Detected	104.7 Detected	181.8 Detected	198.3 Detected	Plekha4	1.903071017	1.74472169	1.89398281	1.7363897
A_52_P4052	5164.6 Detected	8106.2 Detected	7980.5 Detected	9827.6 Detected	Tm7sf3	1.90287728	1.545231	1.21235597	0.9844934
A_52_P2553	52.4 Detected	82.4 Detected	86.6 Detected	99.7 Detected	Amer3	1.902671756	1.65267176	1.20995146	1.0509709
A_55_P2172	3480.2 Detected	3818.2 Detected	2998.6 Detected	6620.9 Detected	Krit1	1.902448135	0.86161715	1.73403698	0.7853439
A_55_P2055	433.8 Detected	519.6 Detected	997.1 Detected	825.1 Detected	Enpp1	1.902028585	2.29852467	1.58795227	1.9189761
A_55_P1962	20.4 Detected	23.4 Detected	22.6 Detected	38.8 Not Detect	Gm10286	1.901960784	1.10784314	1.65811966	0.965812
A_55_P2216	2293.2 Detected	2577.8 Detected	2346.7 Detected	4360.9 Detected	Rint1	1.901665795	1.02332984	1.69171386	0.9103499
A_55_P2096	6923.8 Detected	11417.9 Detected	13630.1 Detected	13162.6 Detected	Myo5b	1.901065889	1.96858661	1.15280393	1.1937484
A_51_P3127	572.6 Detected	703.1 Detected	897.2 Detected	1088.4 Detected	Oxsm	1.900803353	1.56688788	1.54800171	1.2760631
A_55_P2016	43.2 Detected	75.8 Detected	61 Detected	82.1 Detected	Srcrb4d	1.900462963	1.41203704	1.08311346	0.8047493
A_52_P6847	865.6 Detected	1104.1 Detected	1256.6 Detected	1645 Detected	Zfp809	1.900415896	1.4517098	1.48990128	1.1381215
A_55_P1971	63 Detected	118.3 Detected	145.1 Detected	119.7 Detected	Mpp7	1.9	2.3031746	1.01183432	1.2265427
A_55_P2026	109.4 Detected	84 Detected	120.3 Detected	207.8 Detected	Zmat1	1.899451554	1.09963437	2.47380952	1.4321429
A_55_P2394	40.5 Detected	36.6 Detected	31.9 Detected	76.9 Detected	A930010G16Rik	1.898765432	0.78765432	2.1010929	0.8715847
A_51_P3946	5263.8 Detected	6027.6 Detected	6051.2 Detected	9994.7 Detected	Mef2d	1.898761351	1.14958775	1.65815582	1.0039153
A_55_P1979	9044.9 Detected	9774.7 Detected	12528 Detected	17172.8 Detected	Palm	1.8986169	1.38508994	1.7568621	1.2816762
A_51_P1553	10.8 Not Detect	11.6 Not Detect	22.5 Detected	20.5 Not Detect	Hc	1.898148148	2.08333333	1.76724138	1.9396552
A_51_P3406	3729.3 Detected	2332.5 Detected	704.4 Detected	7078.7 Detected	Rasl11a	1.898131017	0.18888263	3.03481243	0.3019936

A_52_P6392	1141.1	Detected	772.2	Detected	2025.6	Detected	2165.7	Detected	Fgd4	1.89790553	1.77512926	2.8045843	2.6231546
A_51_P3629	347.2	Detected	588.8	Detected	564.6	Detected	658.9	Detected	Fbxo36	1.897753456	1.62615207	1.11905571	0.9588995
A_55_P2167	37.1	Detected	77.5	Detected	50.9	Detected	70.4	Detected	6330416G13Rik	1.897574124	1.37196765	0.9083871	0.6567742
A_51_P2103	78.1	Detected	74.6	Detected	66.5	Detected	148.2	Detected	Slc17a8	1.897567222	0.85147247	1.98659517	0.8914209
A_55_P2049	3652.3	Detected	5084.1	Detected	4550.4	Detected	6928.3	Detected	Tpp2	1.896969033	1.24589984	1.36273873	0.8950257
A_51_P2119	2000.8	Detected	4392.9	Detected	3135.9	Detected	3795.2	Detected	Sgms2	1.896841263	1.56732307	0.86393954	0.7138565
A_52_P5033	2905.3	Detected	3778	Detected	3672.7	Detected	5509.9	Detected	Erlin2	1.896499501	1.26413795	1.45841715	0.9721281
A_55_P1973	2152.9	Detected	1584.3	Detected	2470.4	Detected	4082.5	Detected	Ppm1l	1.896279437	1.1474755	2.57684782	1.5593006
A_51_P3238	6117.8	Detected	4531.4	Detected	8626.6	Detected	11599.4	Detected	Coro7	1.896008369	1.41008206	2.55978285	1.9037384
A_51_P4973	12.5	Not Detect	21.7	Detected	14.6	Not Detect	23.7	Not Detect	Olfrc30	1.896	1.168	1.0921659	0.6728111
A_51_P2233	204.3	Detected	242.8	Detected	209	Detected	387.3	Detected	Sh3glb1	1.895741557	1.02300538	1.59514003	0.8607908
A_52_P7825	3935	Detected	5609.7	Detected	4573.5	Detected	7458.2	Detected	Plekha2	1.895349428	1.16226175	1.32951851	0.8152842
A_55_P1977	44.9	Detected	52.7	Detected	47	Detected	85.1	Detected	Itgam	1.89532294	1.0467706	1.61480076	0.8918406
A_51_P2019	2904.9	Detected	4964	Detected	4546.7	Detected	5504.6	Detected	Ndufb5	1.894936142	1.56518297	1.10890411	0.9159347
A_51_P4567	81.1	Detected	41.4	Detected	29.2	Detected	153.6	Detected	Azgp1	1.893958076	0.36004932	3.71014493	0.705314
A_51_P2085	182.6	Detected	217.3	Detected	226.8	Detected	345.8	Detected	Decr1	1.893756846	1.24205915	1.59134837	1.0437184
A_66_P1062	607	Detected	709.5	Detected	911.2	Detected	1149.4	Detected	Gm5106	1.893574959	1.50115321	1.62001409	1.2842847
A_51_P4408	1137	Detected	2220.4	Detected	2150.2	Detected	2152.8	Detected	Mtrf1	1.893403694	1.89111697	0.96955504	0.9683841
A_51_P3565	225.3	Detected	384.4	Detected	304.6	Detected	426.5	Detected	Exd2	1.893031514	1.35197514	1.10952133	0.7924037
A_52_P6351	3706.2	Detected	3541.2	Detected	4125.5	Detected	7015.3	Detected	Rras	1.892855216	1.11313475	1.98105162	1.1650006
A_55_P2389	48.2	Detected	39.3	Detected	32.7	Detected	91.2	Detected	Tiaf2	1.892116183	0.67842324	2.32061069	0.8320611
A_55_P2168	19.4	Detected	24.5	Detected	16.9	Not Detect	36.7	Not Detect	Fam163b	1.891752577	0.87113402	1.49795918	0.6897959
A_55_P2042	51.7	Detected	41.6	Detected	44.6	Detected	97.8	Detected	Adig	1.891682785	0.86266925	2.35096154	1.0721154
A_55_P2107	16.6	Detected	8.3	Not Detect	12.1	Not Detect	31.4	Not Detect	Psd	1.891566265	0.72891566	3.78313253	1.4578313
A_51_P4436	19.3	Detected	21.4	Detected	30	Detected	36.5	Not Detect	Rasl10b	1.89119171	1.55440415	1.70560748	1.4018692
A_51_P2075	105889.5	Detected	109260.4	Detected	259984.8	Detected	200244.7	Detected	Anxa8	1.891072297	2.45524627	1.83272897	2.3794971
A_55_P2085	44.7	Detected	30	Detected	3.6	Not Detect	84.5	Detected	Sprr2i	1.890380313	0.08053691	2.81666667	0.12
A_55_P2240	22.8	Detected	20.2	Detected	15.8	Not Detect	43.1	Not Detect	Gira4	1.890350877	0.69298246	2.13366337	0.7821782
A_55_P2088	721.1	Detected	871	Detected	975.5	Detected	1363	Detected	Mtif3	1.890167799	1.35279434	1.56486797	1.119977
A_51_P1537	74.6	Detected	56.7	Detected	56.4	Detected	141	Detected	Kif23	1.890080429	0.75603217	2.48677249	0.994709
A_55_P2254	452.9	Detected	396.5	Detected	320.5	Detected	856	Detected	BB212172	1.890041952	0.70766174	2.15889029	0.8083228
A_55_P2174	2334	Detected	4402.2	Detected	3063.2	Detected	4411.3	Detected	Hist1h4i	1.890017138	1.31242502	1.00206715	0.6958339
A_51_P3220	61.1	Detected	55.8	Detected	69	Detected	115.4	Detected	Ablim2	1.888707038	1.12929624	2.06810036	1.2365591
A_52_P3675	1009	Detected	2398	Detected	584	Detected	1905.4	Detected	Nexn	1.888404361	0.57879088	0.79457882	0.2435363
A_55_P2127	168.7	Detected	175.6	Detected	155.6	Detected	318.4	Detected	Btbd1	1.887374037	0.92234736	1.81321185	0.8861048
A_51_P4967	2349.2	Detected	3837.8	Detected	3488.5	Detected	4433.7	Detected	Pomk	1.887323344	1.48497361	1.15527125	0.9089843
A_55_P2100	39.7	Detected	39.7	Detected	30.7	Detected	74.9	Detected	Adra1b	1.886649874	0.77329975	1.88664987	0.7732997
A_52_P5572	5279.8	Detected	1933.3	Detected	13717.2	Detected	9961.1	Detected	Tmprss2	1.886643433	2.59805296	5.15238194	7.0952258
A_55_P1984	16515.7	Detected	19418.5	Detected	20181.5	Detected	31153.9	Detected	Pde4dip	1.886320289	1.2219585	1.60434122	1.0392924
A_55_P2183	2926.6	Detected	3093	Detected	3955.5	Detected	5519.6	Detected	Gm5617	1.886011071	1.35156837	1.78454575	1.2788555

A_52_P4014	33.3 Detected	69.6 Detected	3.3 Not Detect	62.8 Detected	Inha	1.885885886	0.0990991	0.90229885	0.0474138
A_55_P2010	18028.3 Detected	19202.6 Detected	28523.8 Detected	33989.5 Detected	Dpm3	1.88534138	1.58216804	1.77004676	1.4854134
A_55_P2082	20.9 Detected	34.1 Detected	38.7 Detected	39.4 Not Detect	A630001G21Rik	1.885167464	1.85167464	1.15542522	1.1348974
A_55_P2238	52.1 Detected	61.4 Detected	119.2 Detected	98.2 Detected	A730091E23Rik	1.884836852	2.28790787	1.59934853	1.9413681
A_51_P1297	1978.7 Detected	2144.6 Detected	2069.9 Detected	3728.9 Detected	Hectd3	1.884520139	1.04609087	1.73873916	0.9651683
A_55_P1995	1236 Detected	1390.3 Detected	1374.3 Detected	2329.2 Detected	Meis1	1.884466019	1.1118932	1.67532187	0.9884917
A_55_P2141	28.5 Detected	57.7 Detected	35 Detected	53.7 Detected	Rnaseh2a	1.884210526	1.22807018	0.93067591	0.6065858
A_55_P2011	550.6 Detected	848.3 Detected	839.2 Detected	1037.1 Detected	L3mbtl3	1.883581547	1.52415547	1.22256277	0.9892727
A_51_P3198	19700.3 Detected	18847.8 Detected	27575.2 Detected	37106.4 Detected	Acadm	1.883544921	1.39973503	1.96873906	1.4630461
A_55_P2418	120.9 Detected	95.1 Detected	171.6 Detected	227.7 Detected	4930577N17Rik	1.88337469	1.41935484	2.39432177	1.8044164
A_51_P1108	58463.8 Detected	58242.1 Detected	45521.6 Detected	110102.2 Detected	Nudt9	1.883254253	0.77862883	1.89042291	0.7815927
A_65_P1895	13.7 Detected	17.9 Detected	15.5 Detected	25.8 Not Detect	4931406P16Rik	1.883211679	1.13138686	1.44134078	0.8659218
A_55_P1954	8067.2 Detected	9939.1 Detected	5661.7 Detected	15191.3 Detected	Cyb561	1.883094506	0.70181724	1.52843819	0.5696391
A_66_P1011	9.4 Not Detect	22.6 Detected	9.6 Not Detect	17.7 Not Detect	Chd2	1.882978723	1.0212766	0.78318584	0.4247788
A_52_P1618	1120.2 Detected	1704.7 Detected	1467.4 Detected	2109 Detected	Ovca2	1.882699518	1.30994465	1.23716783	0.8607966
A_55_P2151	19.6 Detected	13.1 Not Detect	76 Detected	36.9 Not Detect	2210411A11Rik	1.882653061	3.87755102	2.81679389	5.8015267
A_51_P3487	3804.7 Detected	2543.9 Detected	6589.3 Detected	7159.8 Detected	Llgl2	1.881830368	1.73188425	2.81449743	2.5902355
A_66_P1263	19693.5 Detected	22414.1 Detected	22364.8 Detected	37056.6 Detected	Zfp703	1.88166654	1.13564374	1.65327182	0.9978005
A_55_P2014	123.2 Detected	272 Detected	3.4 Not Detect	231.8 Detected	Armcx6	1.881493506	0.0275974	0.85220588	0.0125
A_52_P4096	138.2 Detected	164.7 Detected	157.3 Detected	260 Detected	Wdr11	1.881331404	1.1382055	1.57862781	0.9550698
A_52_P4205	168.5 Detected	249.6 Detected	286 Detected	317 Detected	Cry1	1.881305638	1.69732938	1.27003205	1.1458333
A_52_P1173	388.4 Detected	473.3 Detected	413.2 Detected	730.5 Detected	Rbl2	1.880792997	1.0638517	1.54341855	0.8730192
A_55_P2101	27.6 Detected	64.4 Detected	30.4 Detected	51.9 Detected	Rpl18a	1.880434783	1.10144928	0.80590062	0.4720497
A_55_P2028	10 Not Detect	27.8 Detected	3 Not Detect	18.8 Not Detect	Coro6	1.88	0.3	0.67625899	0.1079137
A_52_P2927	5 Not Detect	55.5 Detected	3.4 Not Detect	9.4 Not Detect	Col8a1	1.88	0.68	0.16936937	0.0612613
A_52_P6508	25504.7 Detected	17871.1 Detected	30198 Detected	47942.8 Detected	Myo1d	1.879763338	1.18401706	2.6827	1.6897673
A_55_P1953	82.2 Detected	103.2 Detected	121.5 Detected	154.5 Detected	Gm14484	1.879562044	1.47810219	1.49709302	1.1773256
A_55_P2010	5.8 Not Detect	3.8 Not Detect	32.2 Detected	10.9 Not Detect	Sell	1.879310345	5.55172414	2.86842105	8.4736842
A_51_P4228	574.4 Detected	1176.7 Detected	1268.1 Detected	1079.4 Detected	Tmem14a	1.879178273	2.20769499	0.91731112	1.0776749
A_51_P4152	1548.4 Detected	1992.5 Detected	1572.9 Detected	2909.3 Detected	Zmat3	1.878907259	1.01582278	1.46012547	0.7894103
A_52_P6469	421.9 Detected	781.8 Detected	799.3 Detected	792.7 Detected	D16Ert472e	1.878881251	1.89452477	1.01394218	1.0223842
A_52_P5850	10603.2 Detected	12901 Detected	10214.1 Detected	19921.7 Detected	Cnep1r1	1.878838464	0.96330353	1.54419812	0.7917293
A_51_P4201	13.2 Not Detect	15.8 Detected	11 Not Detect	24.8 Not Detect	Fam219aos	1.878787879	0.83333333	1.56962025	0.6962025
A_55_P2182	294.4 Detected	357.8 Detected	301.7 Detected	553.1 Detected	Atg10	1.878736413	1.0247962	1.54583566	0.8432085
A_55_P1986	17047.5 Detected	24983.1 Detected	18012.2 Detected	32016.9 Detected	Klhdc4	1.878099428	1.05658894	1.28154232	0.7209754
A_51_P3825	189.4 Detected	91.5 Detected	90.6 Detected	355.6 Detected	Zfp418	1.87750792	0.47835269	3.8863388	0.9901639
A_55_P2126	21.2 Detected	15.6 Detected	34.4 Detected	39.8 Not Detect	Mamstr	1.877358491	1.62264151	2.55128205	2.2051282
A_55_P2124	24.4 Detected	18.8 Detected	46.1 Detected	45.8 Not Detect	Gapdhs	1.87704918	1.88934426	2.43617021	2.4521277
A_55_P2168	911.6 Detected	1000.2 Detected	1404.5 Detected	1710.3 Detected	Relb	1.876151821	1.54069767	1.70995801	1.4042192
A_55_P2158	233.1 Detected	318.7 Detected	354.6 Detected	437.3 Detected	Ube4a	1.876018876	1.52123552	1.37213681	1.1126451

A_55_P2137	67.4 Detected	65.1 Detected	76 Detected	126.4 Detected	Nphp4	1.87537092	1.12759644	1.94162826	1.1674347
A_55_P2088	795.6 Detected	681.9 Detected	738.4 Detected	1492 Detected	Vps13d	1.875314228	0.92810458	2.18800411	1.0828567
A_55_P2055	1875.7 Detected	2307.7 Detected	2667.1 Detected	3516.6 Detected	Pafah2	1.874820067	1.42192248	1.52385492	1.1557395
A_55_P2193	117.3 Detected	92.6 Detected	72 Detected	219.9 Detected	6720420G18Rik	1.874680307	0.61381074	2.37473002	0.7775378
A_51_P1608	91.4 Detected	98.6 Detected	48 Detected	171.3 Detected	Cspg4	1.874179431	0.52516411	1.73732252	0.4868154
A_55_P2148	27.8 Detected	31.4 Detected	26.8 Detected	52.1 Detected	Bend4	1.874100719	0.96402878	1.65923567	0.8535032
A_55_P1960	51.6 Detected	75.8 Detected	60.7 Detected	96.7 Detected	Cntn1	1.874031008	1.17635659	1.27572559	0.8007916
A_55_P2113	2475.6 Detected	3508 Detected	2370.5 Detected	4639.3 Detected	Yif1b	1.874010341	0.95754565	1.32249145	0.6757412
A_55_P2077	5734.4 Detected	2709.3 Detected	14491.9 Detected	10744.3 Detected	Fam102a	1.873657227	2.5271868	3.9657107	5.3489462
A_55_P2071	1521.5 Detected	1493.9 Detected	2054.9 Detected	2849.5 Detected	Kank3	1.872822872	1.35057509	1.90742352	1.3755271
A_55_P1973	3789.8 Detected	5521.3 Detected	3558.9 Detected	7095.5 Detected	Slc7a5	1.872262389	0.9390733	1.28511401	0.6445765
A_52_P5852	534.8 Detected	742.2 Detected	723.5 Detected	1000.8 Detected	Ccpg1	1.871353777	1.35284218	1.34842361	0.9748046
A_55_P2028	13.2 Not Detect	18.5 Not Detect	25.8 Detected	24.7 Not Detect	Pr12b1	1.871212121	1.95454545	1.33513514	1.3945946
A_51_P4847	17401.1 Detected	27462.4 Detected	16396.2 Detected	32560.4 Detected	Tmem66	1.871169064	0.94225078	1.18563563	0.5970418
A_66_P1055	16.3 Detected	18.1 Detected	12.2 Not Detect	30.5 Not Detect	Mam1d1	1.871165644	0.74846626	1.68508287	0.6740331
A_55_P2023	524.9 Detected	496.3 Detected	481.8 Detected	981.5 Detected	Rnf214	1.869879977	0.91788912	1.9776345	0.9707838
A_55_P2186	14.6 Not Detect	22.9 Detected	16.9 Not Detect	27.3 Not Detect	Gm3317	1.869863014	1.15753425	1.19213974	0.7379913
A_51_P2735	10227.5 Detected	13270.1 Detected	7862.3 Detected	19106.4 Detected	Syce2	1.868139819	0.76874114	1.43980829	0.5924823
A_52_P5750	19495.7 Detected	28831.8 Detected	25131.1 Detected	36419.7 Detected	Babam1	1.868088861	1.28905861	1.26317816	0.8716452
A_51_P2733	22460.4 Detected	23091.7 Detected	21865 Detected	41955.8 Detected	Sec31a	1.867989884	0.97349112	1.81692123	0.946877
A_55_P1966	5.3 Not Detect	3.5 Not Detect	47.8 Detected	9.9 Not Detect	Ssx9	1.867924528	9.01886792	2.82857143	13.657143
A_55_P2206	66.9 Detected	86.7 Detected	95.5 Detected	124.9 Detected	9130403123Rik	1.86696562	1.42750374	1.44059977	1.1014994
A_55_P1978	13866.7 Detected	18991.4 Detected	21889.7 Detected	25883.6 Detected	H2-Q7	1.866601282	1.57858034	1.36291163	1.1526112
A_52_P1885	50.1 Detected	57.3 Detected	73.3 Detected	93.5 Detected	5430411C19Rik	1.866267465	1.46307385	1.63176265	1.2792321
A_55_P2019	434.4 Detected	397.1 Detected	274.7 Detected	810.5 Detected	Gm12942	1.865791897	0.63236648	2.0410476	0.6917653
A_52_P4139	1690.3 Detected	1177.2 Detected	1275.3 Detected	3152.9 Detected	Mthfr	1.865290185	0.75448145	2.67830445	1.0833333
A_55_P2162	37322.2 Detected	31161.1 Detected	41976.3 Detected	69611.6 Detected	Bri3	1.865152644	1.12470058	2.23392627	1.3470738
A_55_P2108	25.9 Detected	339.3 Detected	23.5 Detected	48.3 Not Detect	Srgap3	1.864864865	0.90733591	0.1423519	0.0692602
A_55_P2053	20.7 Detected	20.2 Detected	34.9 Detected	38.6 Not Detect	St6galnac6	1.8647343	1.68599034	1.91089109	1.7277228
A_52_P5271	2290.8 Detected	2972 Detected	3725.4 Detected	4270.8 Detected	Arhgap12	1.864326873	1.62624411	1.43701211	1.2534993
A_55_P1981	1201.2 Detected	2066.1 Detected	1469.3 Detected	2239.3 Detected	Atic	1.864219114	1.22319347	1.08382944	0.7111466
A_66_P1266	26.5 Detected	5.6 Not Detect	27.8 Detected	49.4 Detected	Car8	1.864150943	1.0490566	8.82142857	4.9642857
A_51_P3876	4702.4 Detected	9343.1 Detected	4807 Detected	8764.3 Detected	Hif1a	1.863792957	1.02224396	0.93805054	0.5144973
A_51_P2856	19 Detected	22.6 Detected	23.4 Detected	35.4 Not Detect	Pigz	1.863157895	1.23157895	1.56637168	1.0353982
A_52_P5952	2749.4 Detected	3390.3 Detected	2918.8 Detected	5122.2 Detected	Vps35	1.86302466	1.06161344	1.51083975	0.8609268
A_55_P2084	56.2 Detected	121.2 Detected	33.4 Detected	104.7 Detected	Mtmr7	1.862989324	0.59430605	0.86386139	0.2755776
A_55_P2334	57.6 Detected	36.2 Detected	104 Detected	107.3 Detected	1700096K18Rik	1.862847222	1.80555556	2.9640884	2.8729282
A_51_P5143	18.2 Detected	9.6 Not Detect	22.7 Detected	33.9 Not Detect	Slc13a4	1.862637363	1.24725275	3.53125	2.3645833
A_52_P6539	3263.5 Detected	4682.2 Detected	2944.2 Detected	6078.3 Detected	Atf7ip	1.862509576	0.90216026	1.2981718	0.628807
A_55_P2075	123.6 Detected	154.4 Detected	115.6 Detected	230.2 Detected	Ttl13	1.862459547	0.93527508	1.49093264	0.7487047

A_51_P4682	156.9	Detected	168.8	Detected	156.2	Detected	292.2	Detected	Dennd4a	1.862332696	0.99553856	1.73104265	0.9253555
A_66_P1053	328.7	Detected	424.1	Detected	485.8	Detected	612	Detected	Gm15706	1.861880134	1.47794341	1.44305588	1.1454846
A_55_P2070	6.5	Not Detect	12.6	Not Detect	20.2	Detected	12.1	Not Detect	Ngb	1.861538462	3.10769231	0.96031746	1.6031746
A_55_P2051	39.7	Detected	40.9	Detected	59	Detected	73.9	Detected	Pgk2	1.861460957	1.4861461	1.80684597	1.4425428
A_55_P2039	67.8	Detected	65.1	Detected	88.7	Detected	126.2	Detected	Cpt1b	1.861356932	1.30825959	1.93855607	1.3625192
A_55_P2116	13.7	Detected	34.6	Detected	9.7	Not Detect	25.5	Not Detect	Neb	1.861313869	0.7080292	0.73699422	0.2803468
A_55_P2097	865.1	Detected	1431.1	Detected	962.5	Detected	1610.2	Detected	Cnep1r1	1.861287712	1.11258814	1.12514849	0.6725596
A_51_P1283	716	Detected	2418.1	Detected	471.2	Detected	1332.4	Detected	Serinc5	1.860893855	0.65810056	0.55101112	0.1948637
A_66_P1022	627.5	Detected	863.9	Detected	893.8	Detected	1167.5	Detected	Ascc1	1.860557769	1.42438247	1.35142956	1.0346105
A_52_P6781	158.3	Detected	234.1	Detected	161.4	Detected	294.5	Detected	Xpr1	1.860391661	1.01958307	1.2580094	0.689449
A_55_P1976	958.7	Detected	1306.8	Detected	2031.6	Detected	1783.5	Detected	Unc13d	1.860331699	2.11911964	1.36478421	1.5546373
A_51_P3440	926.4	Detected	879.6	Detected	1365.4	Detected	1722.8	Detected	Slc25a20	1.859671848	1.47387737	1.95861755	1.5522965
A_55_P1964	243	Detected	309.9	Detected	275.6	Detected	451.8	Detected	Gm3716	1.859259259	1.13415638	1.45788964	0.8893191
A_52_P4283	1467.7	Detected	1366.5	Detected	1666.2	Detected	2728.6	Detected	Usp25	1.859099271	1.13524562	1.9967801	1.2193194
A_51_P4833	5963.1	Detected	7813.8	Detected	5719.7	Detected	11082.7	Detected	Mpv17l2	1.858546729	0.9591823	1.41834959	0.7319998
A_55_P2104	1422.1	Detected	1411.5	Detected	1847	Detected	2642.7	Detected	C87436	1.858308136	1.29878349	1.87226355	1.308537
A_55_P2075	25.4	Detected	24.9	Detected	24.3	Detected	47.2	Not Detect	Has2os	1.858267717	0.95669291	1.89558233	0.9759036
A_55_P1979	6336.1	Detected	7576	Detected	11543.2	Detected	11774.1	Detected	S100a1	1.858256656	1.82181468	1.55413147	1.5236536
A_55_P2046	57	Detected	59.6	Detected	82	Detected	105.8	Detected	Adpgk	1.856140351	1.43859649	1.77516779	1.3758389
A_51_P4230	913	Detected	903.4	Detected	712.2	Detected	1694.3	Detected	Klhl7	1.855750274	0.78006572	1.87547044	0.7883551
A_55_P2163	18	Detected	13.7	Not Detect	21.6	Detected	33.4	Not Detect	Gm9484	1.855555556	1.2	2.4379562	1.5766423
A_55_P1972	9	Not Detect	27.9	Detected	11.3	Not Detect	16.7	Not Detect	Fam188b	1.855555556	1.25555556	0.59856631	0.4050179
A_51_P5112	494.8	Detected	399.9	Detected	407.2	Detected	918.1	Detected	Pik3r1	1.855497171	0.82295877	2.29582396	1.0182546
A_55_P1980	3508.8	Detected	3784.2	Detected	6307.8	Detected	6509.1	Detected	Dram2	1.855078659	1.79770862	1.72007293	1.6668781
A_55_P2167	1667.6	Detected	3968	Detected	2472.6	Detected	3092.9	Detected	Klra12	1.854701367	1.48272967	0.77946069	0.6231351
A_51_P2191	39.2	Detected	40	Detected	3.4	Not Detect	72.7	Detected	Mfap3l	1.854591837	0.08673469	1.8175	0.085
A_52_P3573	60.4	Detected	60.6	Detected	62.1	Detected	112	Detected	Madd	1.854304636	1.0281457	1.84818482	1.0247525
A_55_P2019	45.2	Detected	31	Detected	23.3	Detected	83.8	Detected	Oas2	1.853982301	0.51548673	2.70322581	0.7516129
A_55_P2038	874.2	Detected	1192.2	Detected	795.2	Detected	1620.5	Detected	Erich1	1.853694807	0.90963166	1.3592518	0.6670022
A_55_P2026	142.5	Detected	161.6	Detected	141	Detected	264.1	Detected	Rnf213	1.853333333	0.98947368	1.63428218	0.8725248
A_55_P2008	9544.9	Detected	11002.2	Detected	11113.3	Detected	17683.7	Detected	Larp1b	1.852685727	1.16431812	1.60728763	1.010098
A_51_P4210	7922.9	Detected	9571.1	Detected	9061.5	Detected	14678.3	Detected	Ascc3	1.852642341	1.14371001	1.53360638	0.9467564
A_55_P2177	775.2	Detected	673.8	Detected	1020.8	Detected	1436	Detected	Abcb8	1.852425181	1.31682147	2.1311962	1.5149896
A_55_P1994	11537.2	Detected	13578.1	Detected	20521.1	Detected	21365.8	Detected	Etfb	1.851905142	1.7786898	1.57354858	1.5113381
A_51_P3304	47333.2	Detected	61626.1	Detected	42261.3	Detected	87611.7	Detected	Eif4ebp1	1.850956622	0.89284688	1.4216655	0.6857695
A_51_P2864	24.8	Detected	37	Detected	19.6	Detected	45.9	Not Detect	Olf434	1.850806452	0.79032258	1.24054054	0.5297297
A_51_P1651	9684.9	Detected	11072.6	Detected	15501.8	Detected	17923.7	Detected	Hibadh	1.850685087	1.60061539	1.61874357	1.4000145
A_55_P2001	28580.6	Detected	28665.9	Detected	42740.7	Detected	52884.8	Detected	Dnm2	1.85037403	1.49544446	1.84486794	1.4909945
A_51_P1142	4729.2	Detected	5467.9	Detected	2866.1	Detected	8750.1	Detected	Kifc3	1.850228368	0.60604331	1.60026701	0.5241683
A_55_P2046	1216.6	Detected	1046.6	Detected	2231.6	Detected	2250.6	Detected	Nbeal2	1.849909584	1.83429229	2.15039174	2.1322377

A_55_P2003	13730.2	Detected	21140.7	Detected	15367.7	Detected	25398.7	Detected	Tmem192	1.849841954	1.11926265	1.20141244	0.7269248
A_55_P1961	5423.4	Detected	5115.3	Detected	7367.6	Detected	10032	Detected	Map3k1	1.849762142	1.35848361	1.9611753	1.4403065
A_51_P4885	2739.3	Detected	3469.5	Detected	4411.1	Detected	5065.9	Detected	3010026O09Rik	1.849341073	1.6103019	1.46012394	1.2713936
A_51_P4921	10725.2	Detected	17548	Detected	11201.7	Detected	19834.5	Detected	Ciapi1	1.849336143	1.04442808	1.13029975	0.6383463
A_55_P2027	4486.3	Detected	8588.6	Detected	6051.5	Detected	8296.6	Detected	Tnfrsf10b	1.849319038	1.34888438	0.96600144	0.7045968
A_55_P2171	291.6	Detected	358.1	Detected	312.5	Detected	538.9	Detected	Bin3	1.848079561	1.07167353	1.5048869	0.8726613
A_52_P5976	137.2	Detected	185.3	Detected	199.6	Detected	253.5	Detected	Stk16	1.847667638	1.4548105	1.36805181	1.0771722
A_55_P2001	134.5	Detected	379.9	Detected	150.1	Detected	248.4	Detected	Gm5478	1.846840149	1.11598513	0.65385628	0.395104
A_51_P2061	64.3	Detected	56.7	Detected	115.2	Detected	118.7	Detected	Akna	1.846034215	1.79160187	2.09347443	2.031746
A_51_P1247	3463.7	Detected	5272.6	Detected	3638.4	Detected	6393.2	Detected	Tmem192	1.845771862	1.05043739	1.21253272	0.690058
A_55_P2173	295.3	Detected	449.6	Detected	58.4	Detected	545	Detected	Gm16340	1.845580765	0.19776498	1.21218861	0.1298932
A_55_P2347	423.3	Detected	416.6	Detected	377.4	Detected	781.1	Detected	AU040972	1.845263407	0.89156627	1.87493999	0.9059049
A_55_P1980	21.3	Detected	23.7	Detected	29.1	Detected	39.3	Not Detect	Olf1r536	1.845070423	1.36619718	1.65822785	1.2278481
A_66_P1210	20	Detected	31.5	Detected	24	Detected	36.9	Not Detect	Sftpd	1.845	1.2	1.17142857	0.7619048
A_51_P3346	61.9	Detected	84.3	Detected	141.8	Detected	114.2	Detected	Uts2	1.844911147	2.2907916	1.35468565	1.6820878
A_51_P1908	22973.1	Detected	28090.6	Detected	23668	Detected	42367.6	Detected	Ap1m1	1.844226508	1.03024842	1.50824831	0.8425594
A_55_P2167	1496.5	Detected	2298	Detected	1834.9	Detected	2759.1	Detected	Zfand1	1.843701971	1.22612763	1.20065274	0.7984769
A_52_P5394	176.3	Detected	206.9	Detected	175	Detected	325	Detected	Lbh	1.843448667	0.99262621	1.57080715	0.8458192
A_55_P2181	51.1	Detected	48	Detected	66.8	Detected	94.2	Detected	Nipal3	1.843444227	1.3072407	1.9625	1.3916667
A_51_P2765	6731.1	Detected	4791.5	Detected	6875	Detected	12404.4	Detected	AU040320	1.842848866	1.02137838	2.58883439	1.4348325
A_55_P2035	29455	Detected	28044.1	Detected	61206.5	Detected	54277.7	Detected	Fam63a	1.842732983	2.07796639	1.93544097	2.182509
A_52_P6613	677	Detected	1081.1	Detected	1276.8	Detected	1247	Detected	Myo5b	1.841949778	1.8859675	1.15345481	1.1810193
A_55_P2061	82.1	Detected	73.5	Detected	89.1	Detected	151.2	Detected	Zfp456	1.841656516	1.08526188	2.05714286	1.2122449
A_52_P4945	163.8	Detected	188.7	Detected	142.7	Detected	301.6	Detected	Insr	1.841269841	0.87118437	1.59830419	0.7562268
A_55_P2058	3844.1	Detected	3243.7	Detected	3118.7	Detected	7077.5	Detected	Kif1b	1.841133165	0.81129523	2.18192188	0.9614638
A_55_P1973	15.1	Detected	24.9	Detected	25.1	Detected	27.8	Not Detect	Tmem163	1.841059603	1.66225166	1.11646586	1.0080321
A_52_P1400	1242.6	Detected	1473.6	Detected	749.8	Detected	2287.5	Detected	Nipal1	1.840898117	0.6034122	1.55232085	0.5088219
A_55_P1979	6363.2	Detected	7087.5	Detected	11345.3	Detected	11713.6	Detected	S100a1	1.8408348	1.78295512	1.65271252	1.6007478
A_51_P4113	525.1	Detected	543.1	Detected	3846.8	Detected	966.6	Detected	Mogat2	1.84079223	7.3258427	1.77978273	7.0830418
A_52_P4584	200.6	Detected	186.2	Detected	254.6	Detected	369.2	Detected	Gorasp1	1.840478564	1.26919242	1.98281418	1.3673469
A_55_P2097	3141.2	Detected	3755	Detected	5473.1	Detected	5781	Detected	Rbpms	1.840379473	1.74235961	1.53954727	1.4575499
A_52_P6609	64.5	Detected	117.7	Detected	57.1	Detected	118.7	Detected	Ctsf	1.840310078	0.88527132	1.00849618	0.4851317
A_55_P2019	37.5	Detected	41	Detected	26.4	Detected	69	Detected	Tagap1	1.84	0.704	1.68292683	0.6439024
A_55_P2130	80	Detected	83.1	Detected	578.5	Detected	147.2	Detected	Ppp2r2b	1.84	7.23125	1.77135981	6.9614922
A_55_P2082	33.7	Detected	32.3	Detected	27.6	Detected	62	Detected	2610206C17Rik	1.839762611	0.8189911	1.91950464	0.8544892
A_52_P2330	3735.3	Detected	3691.6	Detected	5570.6	Detected	6871.8	Detected	5730508B09Rik	1.839691591	1.49133938	1.86146928	1.5089934
A_52_P4113	2304.3	Detected	3260.1	Detected	2363.5	Detected	4237.8	Detected	Vac14	1.839083453	1.0256911	1.29989878	0.7249778
A_51_P2454	8613.2	Detected	13829	Detected	9900.9	Detected	15836.6	Detected	Ufsp2	1.838643013	1.14950309	1.14517319	0.715952
A_55_P2012	123.8	Detected	119.5	Detected	135.8	Detected	227.6	Detected	Sox1	1.838449111	1.09693053	1.90460251	1.1364017
A_55_P1984	79	Detected	86.7	Detected	102.3	Detected	145.2	Detected	Rhox2h	1.837974684	1.29493671	1.67474048	1.1799308

A_55_P1966	370.1	Detected	557	Detected	687.3	Detected	680.2	Detected	LOC547349	1.837881654	1.85706566	1.22118492	1.2339318
A_51_P3066	15476.9	Detected	16383.7	Detected	18779.5	Detected	28438.1	Detected	Naa38	1.837454529	1.21338899	1.73575566	1.1462307
A_52_P3506	5210.1	Detected	4601	Detected	10516	Detected	9569.3	Detected	Tm7sf2	1.836682597	2.01838736	2.07983047	2.2855901
A_51_P4141	12.8	Not Detect	18.3	Not Detect	19	Detected	23.5	Not Detect	Rab19	1.8359375	1.484375	1.28415301	1.0382514
A_55_P2027	36.5	Detected	46.8	Detected	42.8	Detected	67	Detected	Prdm9	1.835616438	1.17260274	1.43162393	0.9145299
A_55_P2240	17	Detected	9.5	Not Detect	7.4	Not Detect	31.2	Not Detect	Gm20740	1.835294118	0.43529412	3.28421053	0.7789474
A_55_P2104	214.7	Detected	309.2	Detected	232.7	Detected	393.9	Detected	Inadl	1.834653004	1.08383791	1.27393273	0.7525873
A_51_P3485	1057	Detected	1235.2	Detected	1108.1	Detected	1938	Detected	Slc38a7	1.833491012	1.04834437	1.56897668	0.8971017
A_52_P1690	112.3	Detected	197.3	Detected	187	Detected	205.9	Detected	Dbil5	1.833481745	1.66518255	1.04358844	0.9477952
A_51_P4344	1030.9	Detected	1540.5	Detected	1181.8	Detected	1890.1	Detected	Rwdd4a	1.833446503	1.14637695	1.22693931	0.7671535
A_52_P1512	448.5	Detected	573.6	Detected	346.8	Detected	822.3	Detected	Lrch4	1.833444816	0.77324415	1.43357741	0.6046025
A_55_P2005	13.2	Not Detect	18.6	Detected	41.2	Detected	24.2	Not Detect	Sult1a1	1.833333333	3.12121212	1.30107527	2.2150538
A_51_P2081	54.6	Detected	74.9	Detected	61.2	Detected	100.1	Detected	Pmel	1.833333333	1.12087912	1.3364486	0.8170895
A_55_P2277	83.3	Detected	237.5	Detected	263.9	Detected	152.7	Detected	9330179D12Rik	1.833133253	3.16806723	0.64294737	1.1111579
A_51_P1549	6794.3	Detected	8932.2	Detected	7288.8	Detected	12451.5	Detected	Zdhc7	1.832639124	1.0727816	1.39400148	0.816014
A_55_P2212	20.9	Detected	18	Detected	23.7	Detected	38.3	Not Detect	4930539J05Rik	1.832535885	1.13397129	2.12777778	1.3166667
A_55_P1972	151.1	Detected	195.9	Detected	197.4	Detected	276.8	Detected	Fam160b2	1.831899404	1.30641959	1.4129658	1.007657
A_55_P2022	252.6	Detected	267.6	Detected	292.4	Detected	462.7	Detected	Rfwd2	1.831749802	1.15756136	1.72907324	1.0926756
A_52_P5083	608.6	Detected	659.1	Detected	809	Detected	1114.8	Detected	Erlec1	1.831744988	1.32928032	1.69139736	1.2274313
A_52_P5626	19.6	Detected	29.4	Detected	39.6	Detected	35.9	Not Detect	Pkhd111	1.831632653	2.02040816	1.22108844	1.3469388
A_55_P2181	143.6	Detected	329.3	Detected	212.1	Detected	263	Detected	Slc45a3	1.831476323	1.4770195	0.79866383	0.6440935
A_55_P2105	193.3	Detected	215	Detected	317.4	Detected	354	Detected	Foxp1	1.831350233	1.64200724	1.64651163	1.4762791
A_51_P1281	10060	Detected	12657.2	Detected	10509.9	Detected	18412.3	Detected	Chmp1a	1.830248509	1.04472167	1.45468982	0.8303495
A_51_P4094	23686.9	Detected	27693.1	Detected	26749.6	Detected	43350.4	Detected	Aars	1.830142399	1.12929932	1.56538632	0.9659301
A_55_P2076	5285.1	Detected	3265.1	Detected	7443.8	Detected	9671.5	Detected	Ehd2	1.829955914	1.40845017	2.96208386	2.2798077
A_55_P2178	4.7	Not Detect	5	Not Detect	31.5	Detected	8.6	Not Detect	Gkn1	1.829787234	6.70212766	1.72	6.3
A_55_P2155	143.8	Detected	145.3	Detected	204.1	Detected	263.1	Detected	Ssbp1	1.829624478	1.41933241	1.81073641	1.40468
A_66_P1168	97.8	Detected	174.5	Detected	137.9	Detected	178.9	Detected	5031434O11Rik	1.829243354	1.41002045	1.0252149	0.7902579
A_55_P1976	635.9	Detected	744.4	Detected	679.8	Detected	1163.1	Detected	Cnih2	1.829061173	1.06903601	1.56246642	0.9132187
A_55_P1994	12997.7	Detected	5642.3	Detected	51091.3	Detected	23748	Detected	Zfpm1	1.827092486	3.93079545	4.20892189	9.0550485
A_55_P2087	5.2	Not Detect	20.6	Detected	3.5	Not Detect	9.5	Not Detect	Dsg3	1.826923077	0.67307692	0.46116505	0.1699029
A_55_P2085	4156.2	Detected	5476.2	Detected	3726.5	Detected	7592.8	Detected	Dot1l	1.826861075	0.89661229	1.38650889	0.6804901
A_55_P2238	11.5	Not Detect	35.7	Detected	10	Not Detect	21	Not Detect	Cwh43	1.826086957	0.86956522	0.58823529	0.280112
A_55_P2183	4358.9	Detected	3309.5	Detected	8525.4	Detected	7955.1	Detected	Cryz1l	1.825024662	1.95586042	2.40371657	2.5760387
A_55_P2048	203.7	Detected	310.7	Detected	271.2	Detected	371.7	Detected	4931440P22Rik	1.824742268	1.33136966	1.19633087	0.8728677
A_55_P2175	2672.2	Detected	2945.3	Detected	3766.9	Detected	4875.9	Detected	Ei24	1.824676297	1.40966245	1.65548501	1.2789529
A_52_P6334	15.4	Detected	11.6	Not Detect	3.4	Not Detect	28.1	Not Detect	C1qtnf4	1.824675325	0.22077922	2.42241379	0.2931034
A_55_P2165	4402.2	Detected	5529.2	Detected	5185.4	Detected	8031.2	Detected	2300005B03Rik	1.824360547	1.17791104	1.45250669	0.937821
A_55_P2050	128.6	Detected	189.1	Detected	159.8	Detected	234.6	Detected	Hemt1	1.824261275	1.24261275	1.24061343	0.8450555
A_55_P2117	343.3	Detected	645.7	Detected	177.1	Detected	626.2	Detected	Pax9	1.824060588	0.51587533	0.96980022	0.274276

A_55_P2011	997.5	Detected	413.7	Detected	494.2	Detected	1819	Detected	Tifa	1.823558897	0.4954386	4.39690597	1.1945854
A_55_P2128	147119.8	Detected	144710	Detected	218730.1	Detected	268203.5	Detected	Krt8	1.8230279	1.48674821	1.85338608	1.5115065
A_55_P2073	2757.8	Detected	2071	Detected	3744.4	Detected	5026.3	Detected	Abcc5	1.822575966	1.35774893	2.42699179	1.8080155
A_52_P4435	153	Detected	167.4	Detected	141	Detected	278.8	Detected	Gdpgp1	1.822222222	0.92156863	1.66547192	0.8422939
A_51_P2504	1189.8	Detected	1463.1	Detected	1094.2	Detected	2167.4	Detected	Zfp276	1.821650698	0.91965036	1.48137516	0.7478641
A_51_P2115	248.8	Detected	354.3	Detected	276.1	Detected	453.2	Detected	Muc20	1.821543408	1.10972669	1.27914197	0.7792831
A_55_P2371	139.5	Detected	127.7	Detected	301.3	Detected	254.1	Detected	4930413E15Rik	1.821505376	2.15985663	1.98981989	2.3594362
A_55_P2084	4728.4	Detected	5080.4	Detected	4591.6	Detected	8611.7	Detected	Sec31a	1.821271466	0.97106844	1.69508306	0.9037871
A_51_P3512	3396.6	Detected	3663.1	Detected	4199.6	Detected	6185.9	Detected	Pcsk7	1.821203556	1.23641288	1.68870629	1.1464606
A_51_P2222	160.2	Detected	139.8	Detected	260.9	Detected	291.7	Detected	Ikbke	1.820848939	1.62858926	2.08655222	1.8662375
A_52_P4699	215.9	Detected	219.2	Detected	223.4	Detected	393.1	Detected	Zc3h6	1.820750347	1.0347383	1.79333942	1.0191606
A_55_P2033	148.5	Detected	165.9	Detected	174.3	Detected	270.3	Detected	Mmab	1.82020202	1.17373737	1.62929476	1.0506329
A_52_P3164	23687.3	Detected	32271.3	Detected	22999.6	Detected	43102	Detected	Lamtor4	1.819624862	0.97096756	1.335614	0.7126952
A_51_P4328	916	Detected	765.9	Detected	1571.2	Detected	1666.6	Detected	Dhrs11	1.819432314	1.71528384	2.17600209	2.0514427
A_52_P1482	269	Detected	335	Detected	284.9	Detected	489.4	Detected	D030028A08Rik	1.819330855	1.05910781	1.46089552	0.8504478
A_55_P1995	202.3	Detected	134.1	Detected	170.2	Detected	368	Detected	Casz1	1.819080573	0.84132477	2.74422073	1.2692021
A_55_P2064	1440.1	Detected	3104.8	Detected	3004	Detected	2618.9	Detected	Msra	1.818554267	2.08596625	0.84350039	0.9675341
A_51_P4726	298	Detected	287.5	Detected	237.5	Detected	541.9	Detected	Zfp719	1.818456376	0.79697987	1.88486957	0.826087
A_55_P2006	53.4	Detected	50.7	Detected	111.4	Detected	97.1	Detected	Sapcd2	1.81835206	2.08614232	1.91518738	2.1972387
A_51_P4326	2374.9	Detected	2859.2	Detected	4513.4	Detected	4318.4	Detected	Pex7	1.818350246	1.90045897	1.51035255	1.5785534
A_55_P2139	3568.4	Detected	3436	Detected	1993.8	Detected	6485	Detected	Trim56	1.817341105	0.55873781	1.88736903	0.5802678
A_55_P2405	64.6	Detected	68.2	Detected	85.6	Detected	117.4	Detected	1700061N14Rik	1.817337461	1.3250774	1.72140762	1.255132
A_55_P1956	407.4	Detected	536.2	Detected	427.4	Detected	740.3	Detected	Smco1	1.817133039	1.0490918	1.38064155	0.7970906
A_55_P2169	4.9	Not Detect	3.2	Not Detect	33.4	Detected	8.9	Not Detect	Olf1474	1.816326531	6.81632653	2.78125	10.4375
A_55_P2076	740.4	Detected	956.6	Detected	676.8	Detected	1344.6	Detected	Nrd1	1.816045381	0.91410049	1.40560318	0.7075057
A_55_P1982	97.7	Detected	118.8	Detected	177.4	Detected	177.4	Detected	Gm9937	1.815762538	1.81576254	1.49326599	1.493266
A_55_P2006	29.3	Detected	36.3	Detected	30.6	Detected	53.2	Detected	Pstpip2	1.815699659	1.0443686	1.46556474	0.8429752
A_55_P1971	35.7	Detected	53.2	Detected	27.4	Detected	64.8	Detected	Zfp819	1.81512605	0.767507	1.21804511	0.5150376
A_55_P2010	14.6	Detected	3.1	Not Detect	53.7	Detected	26.5	Not Detect	Serpina1d	1.815068493	3.67808219	8.5483871	17.322581
A_51_P4071	1015.4	Detected	1170.9	Detected	1099.2	Detected	1842.9	Detected	Abhd5	1.814949773	1.08252905	1.5739175	0.9387651
A_52_P5332	18.9	Detected	18.3	Detected	24.2	Detected	34.3	Not Detect	Spata31d1d	1.814814815	1.28042328	1.87431694	1.3224044
A_55_P1983	67.4	Detected	57.9	Detected	62	Detected	122.3	Detected	Zbtb11	1.814540059	0.91988131	2.11226252	1.0708117
A_55_P2114	6932.4	Detected	11077.1	Detected	6964.4	Detected	12577.2	Detected	Gtf2e2	1.814263459	1.00461601	1.13542353	0.6287205
A_55_P2158	152.8	Detected	259.3	Detected	232.6	Detected	277.2	Detected	Xpot	1.814136126	1.52225131	1.06903201	0.8970305
A_52_P4014	85.5	Detected	94.5	Detected	73.7	Detected	155.1	Detected	Ubxn4	1.814035088	0.8619883	1.64126984	0.7798942
A_55_P1989	46.1	Detected	41.5	Detected	75.9	Detected	83.6	Detected	4930426L09Rik	1.813449024	1.64642082	2.01445783	1.8289157
A_55_P2168	3207	Detected	3976.2	Detected	5006.7	Detected	5815.7	Detected	Ap5b1	1.813439351	1.56117867	1.46262763	1.259167
A_55_P2104	75.3	Detected	71.8	Detected	110.1	Detected	136.5	Detected	P2rx4	1.812749004	1.46215139	1.90111421	1.5334262
A_51_P4506	87.5	Detected	103.7	Detected	62.9	Detected	158.6	Detected	Tepp	1.812571429	0.71885714	1.52941176	0.6065574
A_51_P4437	21966.8	Detected	20620	Detected	30256.9	Detected	39815.3	Detected	Slc35c1	1.812521624	1.37739225	1.93090689	1.4673569

A_55_P2140	666.6	Detected	2476.7	Detected	1623.5	Detected	1208.2	Detected	Krt36	1.812481248	2.43549355	0.48782654	0.6555093
A_55_P2141	24.5	Detected	27.7	Detected	35.3	Detected	44.4	Not Detect	Snrnp27	1.812244898	1.44081633	1.60288809	1.2743682
A_51_P1015	5709.3	Detected	3400.2	Detected	13103.2	Detected	10346.6	Detected	Klc4	1.812236176	2.29506244	3.04293865	3.8536557
A_55_P1964	44.7	Detected	50.9	Detected	67.3	Detected	81	Detected	1700001G17Rik	1.812080537	1.50559284	1.5913556	1.3222004
A_55_P1973	7423.7	Detected	9432.6	Detected	8349.5	Detected	13451.3	Detected	Cmtm7	1.811940138	1.1247087	1.42604372	0.8851748
A_55_P2139	13.8	Not Detect	21.5	Detected	20	Detected	25	Not Detect	Cdhr3	1.811594203	1.44927536	1.1627907	0.9302326
A_55_P2061	16.4	Detected	25.2	Detected	16.1	Detected	29.7	Not Detect	Opn4	1.81097561	0.98170732	1.17857143	0.6388889
A_51_P3798	34.9	Detected	59.9	Detected	63.5	Detected	63.2	Detected	Cyp4f41-ps	1.810888252	1.81948424	1.05509182	1.0601002
A_55_P2449	1447.2	Detected	1471.7	Detected	1532.9	Detected	2620.4	Detected	1700047117Rik2	1.810668878	1.0592178	1.78052592	1.0415846
A_51_P2939	514	Detected	715.7	Detected	834.4	Detected	930.6	Detected	Ras11b	1.810505837	1.6233463	1.30026547	1.1658516
A_55_P2043	6967.3	Detected	4442.6	Detected	12214	Detected	12613.9	Detected	Llgl2	1.81044307	1.75304637	2.83930581	2.749291
A_51_P3896	522.2	Detected	649.1	Detected	486.9	Detected	945.4	Detected	Scrt2	1.810417465	0.93240138	1.4564782	0.7501155
A_55_P2197	828.4	Detected	2206.8	Detected	1019.3	Detected	1499.2	Detected	1110046J04Rik	1.809753742	1.23044423	0.67935472	0.4618905
A_55_P2450	64.6	Detected	80.8	Detected	63.4	Detected	116.9	Detected	N4bp2l2	1.809597523	0.98142415	1.44678218	0.7846535
A_52_P1234	43503.6	Detected	58827	Detected	38610.2	Detected	78723.6	Detected	Tcf25	1.809588172	0.88751735	1.33822224	0.6563347
A_66_P1373	118	Detected	136.7	Detected	136.3	Detected	213.5	Detected	Slc16a1	1.809322034	1.15508475	1.56181419	0.9970739
A_55_P2067	102.7	Detected	127.4	Detected	144.6	Detected	185.8	Detected	Agxt2	1.809152872	1.40798442	1.45839874	1.1350078
A_55_P2337	134	Detected	94.6	Detected	87.2	Detected	242.4	Detected	Mid1	1.808955224	0.65074627	2.56236786	0.9217759
A_66_P1141	15.7	Detected	16.7	Not Detect	18.7	Detected	28.4	Not Detect	Gm7904	1.808917197	1.1910828	1.7005988	1.1197605
A_55_P2033	20.4	Detected	25.2	Detected	26.6	Detected	36.9	Not Detect	Ddo	1.808823529	1.30392157	1.46428571	1.0555556
A_55_P2150	575.2	Detected	585.8	Detected	744.9	Detected	1040.4	Detected	Cdkl2	1.80876217	1.29502782	1.77603278	1.2715944
A_55_P1957	4890.6	Detected	6459.5	Detected	2591.3	Detected	8845.2	Detected	Snx25	1.80861244	0.52985319	1.36933199	0.4011611
A_51_P2019	1386.8	Detected	1938.4	Detected	1346.1	Detected	2508.1	Detected	4933411K20Rik	1.808552062	0.97065186	1.29390219	0.6944387
A_55_P2040	6775.4	Detected	7477.6	Detected	10183.4	Detected	12252.8	Detected	Pradc1	1.808424595	1.50299613	1.63860062	1.3618541
A_55_P2029	2900	Detected	7976.2	Detected	2820.5	Detected	5244.1	Detected	Dus2	1.808310345	0.97258621	0.65746847	0.3536145
A_51_P2945	8448	Detected	8020.5	Detected	13592.9	Detected	15276.5	Detected	Gde1	1.808297822	1.60900805	1.90468175	1.6947697
A_55_P2133	37.9	Detected	47.2	Detected	36.5	Detected	68.5	Detected	6430531B16Rik	1.807387863	0.96306069	1.45127119	0.7733051
A_55_P2150	35.3	Detected	64.1	Detected	34	Detected	63.8	Detected	Exoc3l	1.807365439	0.9631728	0.99531981	0.5304212
A_55_P2025	16.6	Detected	17	Detected	26.1	Detected	30	Not Detect	Pnpla3	1.807228916	1.57228916	1.76470588	1.5352941
A_51_P3860	10763.9	Detected	10789.3	Detected	21142	Detected	19452.1	Detected	Ppp2r5b	1.807160973	1.96415797	1.80290658	1.959534
A_51_P3654	6601.1	Detected	8811.8	Detected	10463.4	Detected	11929	Detected	Rpusd4	1.807123055	1.58509945	1.35375292	1.1874305
A_51_P5081	22.8	Detected	23.8	Detected	25.1	Detected	41.2	Not Detect	Cryga	1.807017544	1.10087719	1.73109244	1.0546218
A_55_P2300	103.1	Detected	144.2	Detected	117	Detected	186.3	Detected	D130095D21Rik	1.806983511	1.13482056	1.29195562	0.8113731
A_51_P5132	267	Detected	287.7	Detected	419.1	Detected	482.3	Detected	Zfp949	1.806367041	1.56966292	1.67639903	1.4567258
A_55_P2137	16	Detected	25.9	Detected	17.8	Not Detect	28.9	Not Detect	Tmpo	1.80625	1.1125	1.11583012	0.6872587
A_55_P2074	22.7	Detected	30.3	Detected	22.7	Detected	41	Not Detect	LOC101055740	1.806167401	1	1.35313531	0.7491749
A_55_P2058	121.7	Detected	176.8	Detected	131.1	Detected	219.8	Detected	Olf1341	1.806080526	1.07723911	1.24321267	0.7415158
A_55_P1953	143.5	Detected	399.7	Detected	134.2	Detected	259.1	Detected	Triobp	1.805574913	0.93519164	0.64823618	0.3357518
A_66_P1351	216.9	Detected	159.1	Detected	222	Detected	391.6	Detected	Akt2	1.805440295	1.02351314	2.46134507	1.3953488
A_51_P1038	1596.7	Detected	1591.1	Detected	1503.4	Detected	2882.6	Detected	Ppp1r35	1.805348531	0.94156698	1.8117026	0.9448809

A_52_P5456	4491.1	Detected	5252.1	Detected	5864.3	Detected	8107.7	Detected	AI597468	1.805281557	1.30576028	1.54370633	1.1165629
A_52_P5268	1372.9	Detected	2030.9	Detected	1645.8	Detected	2478.3	Detected	Eri1	1.805156967	1.19877631	1.22029642	0.8103796
A_55_P2051	93.5	Detected	218.9	Detected	74.9	Detected	168.7	Detected	Lbx1	1.804278075	0.80106952	0.77067154	0.3421654
A_55_P2106	110.2	Detected	121.5	Detected	96.3	Detected	198.8	Detected	Bglap3	1.80399274	0.8738657	1.63621399	0.7925926
A_55_P1978	10108.7	Detected	8700	Detected	17035.8	Detected	18236	Detected	Abhd17c	1.803990622	1.68526121	2.09609195	1.9581379
A_55_P2236	27.5	Detected	45.8	Detected	46.4	Detected	49.6	Not Detect	4930444M15Rik	1.803636364	1.68727273	1.08296943	1.0131004
A_55_P2044	195.4	Detected	187.4	Detected	429.2	Detected	352.4	Detected	2810416G20Rik	1.803480041	2.19651996	1.88046958	2.2902882
A_51_P3947	5215.6	Detected	7327.6	Detected	4493.8	Detected	9401.4	Detected	Arhgef18	1.802553877	0.86160749	1.28301217	0.6132704
A_52_P6510	672	Detected	788.3	Detected	660.4	Detected	1211.3	Detected	Smad1	1.802529762	0.9827381	1.53659774	0.8377521
A_52_P5997	8.1	Not Detect	14.2	Not Detect	16.1	Detected	14.6	Not Detect	Qrich2	1.802469136	1.98765432	1.02816901	1.1338028
A_55_P2121	48.6	Detected	37	Detected	43.8	Detected	87.6	Detected	Ankfy1	1.802469136	0.90123457	2.36756757	1.1837838
A_55_P2121	499.3	Detected	560.8	Detected	813.1	Detected	899.9	Detected	Lcorl	1.802323253	1.62847987	1.6046719	1.449893
A_55_P2139	643.8	Detected	754.9	Detected	956.2	Detected	1160.1	Detected	Phf14	1.80195713	1.48524386	1.53675984	1.2666578
A_55_P2095	64.1	Detected	52.3	Detected	87.1	Detected	115.5	Detected	2310057B04Rik	1.801872075	1.35881435	2.208413	1.665392
A_52_P7720	3987.5	Detected	4023.7	Detected	5874.5	Detected	7182.5	Detected	Lrrc20	1.801253918	1.47322884	1.78504859	1.4599747
A_52_P4821	4257.3	Detected	5516.3	Detected	6879.7	Detected	7668.2	Detected	Fam32a	1.801188547	1.61597726	1.39009844	1.2471584
A_55_P2041	740.8	Detected	1453.8	Detected	1102.1	Detected	1334.2	Detected	Bmp2	1.801025918	1.48771598	0.91773284	0.7580823
A_55_P2084	806.8	Detected	896	Detected	953.9	Detected	1452.8	Detected	Aff3	1.8006941	1.18232524	1.62142857	1.0646205
A_55_P2050	29.6	Detected	23.7	Detected	24.6	Detected	53.3	Detected	Fcrlb	1.800675676	0.83108108	2.24894515	1.0379747
A_55_P2380	315.5	Detected	100.1	Detected	338	Detected	568.1	Detected	AI844869	1.800633914	1.07131537	5.67532468	3.3766234
A_51_P1722	15471.8	Detected	18554.6	Detected	22910.6	Detected	27855.3	Detected	Ifrd2	1.80039168	1.48079732	1.50126114	1.2347666
A_52_P4962	762.1	Detected	916.8	Detected	703.4	Detected	1372	Detected	Pcsk1n	1.800288676	0.92297599	1.4965096	0.7672339
A_55_P1985	10526.2	Detected	14612.8	Detected	13354.3	Detected	18945.3	Detected	Pnpla6	1.799823298	1.26867246	1.29648664	0.9138769
A_52_P2468	1342.3	Detected	1529	Detected	1995.7	Detected	2415.8	Detected	Chmp3	1.799746703	1.48677643	1.57998692	1.3052322
A_55_P2180	3245.9	Detected	3841.5	Detected	3761	Detected	5841.7	Detected	Ocel1	1.799716566	1.1586925	1.52068203	0.9790446
A_66_P1186	46.9	Detected	58	Detected	135.6	Detected	84.4	Detected	Rorb	1.799573561	2.891258	1.45517241	2.337931
A_51_P2197	15988.2	Detected	21485.5	Detected	26495.2	Detected	28766.6	Detected	H2-Q2	1.799239439	1.65717216	1.33888436	1.2331666
A_55_P1962	20.9	Detected	18.9	Detected	47.9	Detected	37.6	Not Detect	Trim71	1.799043062	2.29186603	1.98941799	2.5343915
A_51_P3957	9332.8	Detected	9525.5	Detected	8911	Detected	16789.3	Detected	Srp72	1.798956369	0.95480456	1.76256364	0.935489
A_52_P2155	2880.8	Detected	4200.4	Detected	4363.3	Detected	5182.4	Detected	C030006K11Rik	1.798944738	1.514614	1.23378726	1.038782
A_52_P7444	375.9	Detected	136.1	Detected	2880.4	Detected	676.2	Detected	D930028M14Rik	1.798882682	7.66267624	4.96840558	21.16385
A_66_P1316	1900.9	Detected	1697.9	Detected	968.9	Detected	3418.4	Detected	LOC101055828	1.798306066	0.50970593	2.01331056	0.5706461
A_52_P6267	7824.3	Detected	19354.3	Detected	15304.6	Detected	14070.2	Detected	Trnt1	1.798269494	1.95603441	0.72698057	0.7907597
A_55_P2175	20.8	Detected	20.2	Detected	19.5	Detected	37.4	Not Detect	Ccl28	1.798076923	0.9375	1.85148515	0.9653465
A_51_P2885	15333.4	Detected	19704.5	Detected	15163.9	Detected	27565.4	Detected	Tradd	1.797735662	0.9889457	1.39893933	0.7695653
A_55_P1977	4075.3	Detected	4872.9	Detected	4818.4	Detected	7322	Detected	Cln3	1.796677545	1.1823424	1.50259599	0.9888157
A_55_P1959	118.7	Detected	8299.4	Detected	134	Detected	213.2	Detected	Mef2b	1.796124684	1.12889638	0.0256886	0.0161457
A_51_P1503	48315.5	Detected	63248.1	Detected	83976.5	Detected	86770.1	Detected	Vps28	1.795906076	1.73808612	1.3719005	1.3277316
A_55_P2236	223.8	Detected	237.9	Detected	320	Detected	401.9	Detected	4930447F24Rik	1.795799821	1.42984808	1.68936528	1.345103
A_55_P1956	174.7	Detected	194.5	Detected	159.9	Detected	313.7	Detected	Gm9507	1.795649685	0.91528334	1.61285347	0.822108

A_55_P2088	59.7 Detected	33.2 Detected	25.1 Detected	107.2 Detected	Ucn2	1.795644891	0.42043551	3.22891566	0.7560241
A_55_P2266	50.4 Detected	55.1 Detected	52.6 Detected	90.5 Detected	Mettl21c	1.795634921	1.04365079	1.64246824	0.9546279
A_52_P6147	2979.3 Detected	2738.1 Detected	3382 Detected	5349.1 Detected	Gng12	1.795421743	1.13516598	1.95358095	1.2351631
A_55_P2078	997.4 Detected	1240.9 Detected	1111.1 Detected	1790.6 Detected	Arfgap3	1.795267696	1.11399639	1.44298493	0.8953985
A_51_P2725	3207.2 Detected	4548.8 Detected	3495.6 Detected	5757 Detected	Bhlhe40	1.795023697	1.08992267	1.26560851	0.7684664
A_55_P2071	20 Detected	19.8 Detected	13.1 Not Detect	35.9 Not Detect	Tln2	1.795	0.655	1.81313131	0.6616162
A_55_P2112	55869 Detected	58712.1 Detected	74348.1 Detected	100268.7 Detected	Pcyt2	1.794710841	1.33075767	1.70780299	1.2663165
A_55_P2076	45.3 Detected	50.4 Detected	60.3 Detected	81.3 Detected	Whamm	1.794701987	1.33112583	1.61309524	1.1964286
A_51_P2812	4324.3 Detected	4749.8 Detected	6462.7 Detected	7760.7 Detected	Cep57	1.79467197	1.49450778	1.63390037	1.3606257
A_55_P2072	22.8 Detected	93.9 Detected	28.1 Detected	40.9 Not Detect	Socs2	1.793859649	1.23245614	0.43556976	0.2992545
A_52_P1548	2486.5 Detected	2648.9 Detected	3850 Detected	4459.8 Detected	Ankrd49	1.79360547	1.54836115	1.68364227	1.4534335
A_55_P2141	281.9 Detected	222.5 Detected	279.3 Detected	505.5 Detected	Synj2bp	1.793189074	0.99077687	2.27191011	1.2552809
A_55_P1961	20.3 Detected	35.3 Detected	34.7 Detected	36.4 Not Detect	H19	1.793103448	1.70935961	1.03116147	0.9830028
A_55_P2161	375.9 Detected	635 Detected	328.7 Detected	673.7 Detected	Pdlim7	1.792231977	0.87443469	1.06094488	0.5176378
A_52_P3576	118.4 Detected	198.8 Detected	206.3 Detected	212.2 Detected	Neu3	1.79222973	1.74239865	1.06740443	1.0377264
A_66_P1170	1123.6 Detected	1096.1 Detected	978.7 Detected	2013.4 Detected	Aasdh	1.791918832	0.87103952	1.8368762	0.892893
A_55_P2021	221.4 Detected	222 Detected	260.3 Detected	396.7 Detected	Gm7467	1.791779584	1.17570009	1.78693694	1.1725225
A_51_P3794	855.4 Detected	1105.5 Detected	1203.4 Detected	1532.6 Detected	Cuedc1	1.791676409	1.40682722	1.38634102	1.0885572
A_51_P1838	90 Detected	236.8 Detected	185.3 Detected	161.2 Detected	Fbxo15	1.791111111	2.05888889	0.68074324	0.7825169
A_55_P1984	8.6 Not Detect	5.5 Not Detect	43.6 Detected	15.4 Not Detect	Mst1	1.790697674	5.06976744	2.8	7.9272727
A_55_P2152	12.4 Not Detect	19.3 Detected	3.7 Not Detect	22.2 Not Detect	Zic4	1.790322581	0.2983871	1.15025907	0.1917098
A_55_P2049	1493.7 Detected	1967.8 Detected	2700.6 Detected	2673.9 Detected	Sh3bp5	1.790118498	1.80799357	1.35882712	1.3723956
A_55_P2045	513 Detected	484 Detected	605.3 Detected	918.3 Detected	Sirt7	1.79005848	1.17992203	1.89731405	1.2506198
A_55_P2262	5.7 Not Detect	3.6 Not Detect	18.8 Detected	10.2 Not Detect	1700026H06Rik	1.789473684	3.29824561	2.83333333	5.2222222
A_55_P2098	315.5 Detected	338.3 Detected	521.8 Detected	564.5 Detected	2610318N02Rik	1.789223455	1.65388273	1.6686373	1.542418
A_51_P4059	2619.2 Detected	3704.5 Detected	3460.7 Detected	4686 Detected	Fig4	1.789095907	1.32128131	1.26494804	0.9341881
A_51_P3126	28.9 Detected	39 Detected	37 Detected	51.7 Detected	Hist1h1t	1.788927336	1.28027682	1.32564103	0.9487179
A_52_P3478	20.8 Detected	16.2 Not Detect	37.5 Detected	37.2 Not Detect	Sost	1.788461538	1.80288462	2.2962963	2.3148148
A_55_P2099	5.2 Not Detect	17.5 Detected	12.2 Not Detect	9.3 Not Detect	Nefh	1.788461538	2.34615385	0.53142857	0.6971429
A_55_P2182	1316.9 Detected	3820.7 Detected	2223.3 Detected	2355 Detected	Sgcb	1.788290683	1.68828309	0.6163792	0.5819091
A_51_P4699	829.9 Detected	934.6 Detected	939.1 Detected	1484.1 Detected	Ggps1	1.788287746	1.13158212	1.58795207	1.0048149
A_55_P2069	2498.9 Detected	2545.4 Detected	2376 Detected	4468.5 Detected	Galnt12	1.788186802	0.95081836	1.75551976	0.9334486
A_55_P2111	5518.7 Detected	7511.4 Detected	15289.8 Detected	9868 Detected	Egfl7	1.78810227	2.77054379	1.31373645	2.035546
A_55_P2109	97.2 Detected	97.9 Detected	94.8 Detected	173.8 Detected	Tmem61	1.788065844	0.97530864	1.7752809	0.968335
A_55_P2081	4605.7 Detected	5766.4 Detected	5898 Detected	8235.1 Detected	Focad	1.788023536	1.2805871	1.42811806	1.0228219
A_55_P2173	314.8 Detected	324.7 Detected	474.3 Detected	562.8 Detected	Kank3	1.787801779	1.5066709	1.73329227	1.460733
A_52_P5263	40 Detected	75.4 Detected	52 Detected	71.5 Detected	Atl1	1.7875	1.3	0.94827586	0.6896552
A_51_P2322	1564 Detected	1921 Detected	77.7 Detected	2795.6 Detected	Hoxb6	1.787468031	0.04968031	1.45528371	0.0404477
A_51_P3286	3606.6 Detected	4565.6 Detected	4699.5 Detected	6443.5 Detected	Ncbp1	1.786585704	1.30302778	1.41131505	1.029328
A_55_P2102	12547 Detected	17190.9 Detected	12283.2 Detected	22416.2 Detected	Yif1b	1.786578465	0.97897505	1.30395733	0.7145176

A_55_P2151	135.4	Detected	255.6	Detected	284	Detected	241.9	Detected	Hbs1l	1.786558346	2.09748892	0.94640063	1.1111111
A_55_P2127	43.1	Detected	40.2	Detected	44.8	Detected	77	Detected	Acsbg1	1.786542923	1.03944316	1.91542289	1.1144279
A_55_P2098	2166.4	Detected	2875.7	Detected	2843	Detected	3869.6	Detected	Itgb3bp	1.786189069	1.31231536	1.3456202	0.9886289
A_55_P2038	28.9	Detected	39.6	Detected	36	Detected	51.6	Detected	4931440P22Rik	1.785467128	1.24567474	1.3030303	0.9090909
A_55_P2152	261.9	Detected	429.1	Detected	331.7	Detected	467.6	Detected	Wwox	1.78541428	1.26651394	1.08972268	0.7730133
A_51_P3361	7241	Detected	14814	Detected	9160.8	Detected	12927.6	Detected	Man2b1	1.785333517	1.26512913	0.872661	0.618388
A_52_P3787	169.9	Detected	242.8	Detected	168.6	Detected	303.3	Detected	Primpol	1.785167746	0.99234844	1.24917628	0.6943987
A_55_P2180	2498.9	Detected	2530.9	Detected	1957.7	Detected	4460.3	Detected	Tmco4	1.784905358	0.78342471	1.76233751	0.7735193
A_55_P2109	593.2	Detected	1477.9	Detected	1202.5	Detected	1058.8	Detected	Trnt1	1.784895482	2.02714093	0.71642195	0.8136545
A_52_P3077	1046.6	Detected	1841.5	Detected	1042.7	Detected	1868	Detected	Sox2	1.784827059	0.99627365	1.01439044	0.5662232
A_51_P3021	326.8	Detected	492.3	Detected	276.1	Detected	583.2	Detected	Cobl	1.784577723	0.84485924	1.18464351	0.5608369
A_55_P1959	10682.6	Detected	6455.5	Detected	12540.5	Detected	19063.4	Detected	Nagk	1.784528111	1.17391833	2.95304779	1.9426071
A_51_P4772	212.6	Detected	271	Detected	392.1	Detected	379.3	Detected	1810014B01Rik	1.784101599	1.84430856	1.399631	1.4468635
A_55_P2035	19614.2	Detected	23021.5	Detected	30144.5	Detected	34992.6	Detected	Tmbim1	1.784044213	1.53687125	1.51999652	1.3094064
A_55_P2048	312.7	Detected	409.8	Detected	367	Detected	557.8	Detected	Tlr13	1.783818356	1.17364886	1.36115178	0.8955588
A_55_P1994	32.8	Detected	20.6	Detected	33.7	Detected	58.5	Detected	Itsn1	1.783536585	1.02743902	2.83980583	1.6359223
A_55_P2048	15.7	Detected	12	Not Detect	18.3	Detected	28	Not Detect	D17Zt10e	1.78343949	1.1656051	2.33333333	1.525
A_51_P4812	4968.4	Detected	2383	Detected	6461	Detected	8860.5	Detected	Dopey2	1.783370904	1.30041865	3.71821234	2.7112883
A_52_P2293	1180.6	Detected	1503.1	Detected	1688	Detected	2105.3	Detected	Galnt4	1.783245807	1.42978147	1.40063868	1.1230124
A_55_P2171	2456.7	Detected	4058.6	Detected	2334.2	Detected	4380.6	Detected	3110082I17Rik	1.783123703	0.95013636	1.0793377	0.5751244
A_51_P4634	16466.5	Detected	14291.1	Detected	23039.6	Detected	29361.1	Detected	Rnh1	1.7830808	1.39918015	2.05450245	1.6121642
A_51_P3249	30.4	Detected	28.2	Detected	28.7	Detected	54.2	Detected	Olf821	1.782894737	0.94407895	1.92198582	1.0177305
A_55_P2077	98.5	Detected	111.4	Detected	71.5	Detected	175.6	Detected	Kat6b	1.782741117	0.72588832	1.57630162	0.6418312
A_55_P1997	122.7	Detected	336.5	Detected	132.6	Detected	218.7	Detected	Gyltl1b	1.782396088	1.0806846	0.64992571	0.3940565
A_51_P4021	5375.6	Detected	4831.3	Detected	7040.2	Detected	9578	Detected	Map3k1	1.781754595	1.30965846	1.98248919	1.4572061
A_55_P2108	18.3	Detected	15.8	Not Detect	20.7	Detected	32.6	Not Detect	Gm5936	1.781420765	1.13114754	2.06329114	1.3101266
A_52_P3917	1138	Detected	1327.1	Detected	1080.2	Detected	2025.6	Detected	Rpl22	1.779964851	0.94920914	1.52633562	0.8139552
A_55_P2105	89.8	Detected	64.3	Detected	98.6	Detected	159.8	Detected	Ralgapa2	1.779510022	1.09799555	2.48522551	1.533437
A_51_P3244	4733.2	Detected	4489.3	Detected	6429.8	Detected	8421.3	Detected	Cmpk1	1.779198006	1.35844672	1.87586038	1.43225
A_55_P2185	64.6	Detected	84.9	Detected	223.4	Detected	114.9	Detected	Nrg4	1.778637771	3.45820433	1.35335689	2.631331
A_52_P1376	549.4	Detected	770.1	Detected	619	Detected	976.6	Detected	Trappc5	1.777575537	1.12668365	1.26814699	0.8037917
A_52_P3050	53.5	Detected	45.9	Detected	67.2	Detected	95.1	Detected	B330016D10Rik	1.777570093	1.25607477	2.07189542	1.4640523
A_51_P1840	5365	Detected	8574.7	Detected	9102.9	Detected	9536.3	Detected	Hbs1l	1.77750233	1.69671948	1.11214387	1.0615998
A_51_P5117	5301.7	Detected	8765	Detected	4980.2	Detected	9423.6	Detected	Ntpcr	1.777467605	0.93935907	1.07513976	0.5681917
A_55_P2059	568.8	Detected	584.9	Detected	760.3	Detected	1011	Detected	Spire2	1.77742616	1.3366737	1.7285006	1.2998803
A_55_P2048	1870.8	Detected	1786.3	Detected	2513.7	Detected	3324.5	Detected	Eif2ak3	1.777047253	1.34364978	1.86110956	1.4072104
A_51_P2111	1535.5	Detected	2891.9	Detected	1719.9	Detected	2728.6	Detected	Traf3ip2	1.777010746	1.12009118	0.94353193	0.5947301
A_52_P1774	10604.2	Detected	10666.5	Detected	3644.6	Detected	18843.5	Detected	Cdx2	1.776984591	0.34369401	1.76660573	0.3416866
A_52_P6637	703.3	Detected	869.8	Detected	889.9	Detected	1249.7	Detected	Nlr1	1.776908858	1.26532063	1.43676707	1.0231088
A_52_P4828	10320.5	Detected	13393.3	Detected	9299.1	Detected	18337.4	Detected	Areg	1.77679376	0.90103193	1.36914726	0.6943098

A_51_P3565	2210.1	Detected	2759.8	Detected	2340.8	Detected	3925.1	Detected	Trappc11	1.775982987	1.0591376	1.42224074	0.8481774
A_52_P2215	24.5	Detected	33.2	Detected	39.6	Detected	43.5	Not Detect	Gm5382	1.775510204	1.61632653	1.31024096	1.1927711
A_55_P2008	28.5	Detected	16.3	Not Detect	15	Not Detect	50.6	Not Detect	Acadsb	1.775438596	0.52631579	3.10429448	0.9202454
A_55_P1955	105.5	Detected	324.1	Detected	4	Not Detect	187.3	Detected	Sprr2k	1.775355545	0.03791469	0.57790805	0.0123419
A_55_P1978	7114.9	Detected	9601.2	Detected	11223.3	Detected	12629.8	Detected	H2-Q8	1.775119819	1.57743608	1.31543974	1.1689476
A_55_P2062	208.1	Detected	246.4	Detected	216.5	Detected	369.4	Detected	Acyp1	1.775108121	1.04036521	1.49918831	0.8786526
A_55_P2143	95.4	Detected	127.9	Detected	66.7	Detected	169.3	Detected	Col4a4	1.774633124	0.69916143	1.32369038	0.5215012
A_55_P1996	3990.5	Detected	6433.4	Detected	3741.5	Detected	7081.1	Detected	Papd5	1.774489412	0.9376018	1.10067771	0.5815743
A_51_P3523	67.4	Detected	63.2	Detected	98.9	Detected	119.6	Detected	Ldhal6b	1.774480712	1.46735905	1.89240506	1.5648734
A_55_P2060	2091.8	Detected	4039.7	Detected	3547.3	Detected	3711.8	Detected	Pus3	1.774452625	1.69581222	0.91883061	0.8781098
A_55_P2003	102.8	Detected	128.8	Detected	126.5	Detected	182.4	Detected	Capza1	1.774319066	1.23054475	1.41614907	0.9821429
A_51_P1767	32.7	Detected	34.7	Detected	71.3	Detected	58	Detected	4930483J18Rik	1.773700306	2.18042813	1.67146974	2.054755
A_55_P2415	144	Detected	182.1	Detected	135.2	Detected	255.4	Detected	4930517J16Rik	1.773611111	0.93888889	1.40252608	0.7424492
A_55_P2143	23.4	Detected	27	Detected	20.3	Detected	41.5	Not Detect	Gja10	1.773504274	0.86752137	1.53703704	0.7518519
A_55_P1982	7152.9	Detected	7138.3	Detected	8836.7	Detected	12685.1	Detected	Tmem9b	1.773420571	1.23540103	1.77704776	1.2379278
A_52_P5992	1758.1	Detected	2521.8	Detected	1701.7	Detected	3117.7	Detected	Rspry1	1.77333485	0.96791991	1.23629947	0.6747958
A_51_P1874	92.5	Detected	66.4	Detected	124.8	Detected	164	Detected	Epgn	1.772972973	1.34918919	2.46987952	1.8795181
A_55_P2059	3549.3	Detected	3740	Detected	4132.3	Detected	6292.8	Detected	Snx7	1.772969318	1.16425774	1.68256684	1.104893
A_52_P4410	18709	Detected	21060.3	Detected	23618.5	Detected	33169.7	Detected	Apob	1.772927468	1.26241381	1.57498706	1.1214703
A_52_P6081	447.4	Detected	354.9	Detected	592.5	Detected	792.9	Detected	Snx32	1.772239607	1.32431828	2.23415046	1.6694844
A_52_P2353	227.9	Detected	486.5	Detected	379.5	Detected	403.8	Detected	Pigl	1.77182975	1.66520404	0.83001028	0.7800617
A_51_P4385	38.1	Detected	43.7	Detected	18.9	Detected	67.5	Detected	4930412D23Rik	1.771653543	0.49606299	1.54462243	0.4324943
A_52_P2765	4041.8	Detected	3504.4	Detected	4728	Detected	7160.3	Detected	Ankrd9	1.771562175	1.16977584	2.04323137	1.3491611
A_52_P1398	33.7	Detected	36.8	Detected	31.6	Detected	59.7	Detected	Zc3h6	1.771513353	0.93768546	1.62228261	0.8586957
A_51_P1380	12472.9	Detected	15604	Detected	7520.1	Detected	22093.2	Detected	Foxo1	1.77129617	0.60291512	1.41586773	0.4819341
A_55_P2101	2405.5	Detected	3904.8	Detected	3949.7	Detected	4259.2	Detected	Vta1	1.770609021	1.64194554	1.09076009	1.0114987
A_55_P2051	74.9	Detected	83	Detected	89.5	Detected	132.6	Detected	Bco2	1.770360481	1.19492657	1.59759036	1.0783133
A_51_P2396	2743.8	Detected	5847.1	Detected	2742.6	Detected	4857.1	Detected	Nr4a1	1.770209199	0.99956265	0.8306853	0.469053
A_55_P1973	42.6	Detected	22.9	Detected	51.1	Detected	75.4	Detected	Bricd5	1.769953052	1.19953052	3.29257642	2.231441
A_52_P5375	3783.4	Detected	4624.1	Detected	3706.3	Detected	6696.4	Detected	Cenpt	1.76994238	0.9796215	1.44815207	0.8015181
A_66_P1307	1437.5	Detected	1569.2	Detected	1369	Detected	2543.9	Detected	Ephb4	1.769669565	0.95234783	1.62114453	0.8724191
A_52_P4072	2350.9	Detected	3159.5	Detected	3107.8	Detected	4160.3	Detected	Adamtsl5	1.769662682	1.3219618	1.31675898	0.9836367
A_55_P2000	47.3	Detected	59.7	Detected	65.9	Detected	83.7	Detected	Rfx7	1.769556025	1.39323467	1.40201005	1.1038526
A_55_P2109	7.8	Not Detect	18.6	Detected	15.2	Not Detect	13.8	Not Detect	Trnt1	1.769230769	1.94871795	0.74193548	0.8172043
A_66_P1210	14.3	Detected	17.6	Detected	22.9	Detected	25.3	Not Detect	A730085E03Rik	1.769230769	1.6013986	1.4375	1.3011364
A_51_P2341	4106	Detected	6268.8	Detected	4386.6	Detected	7263.4	Detected	Pms2	1.768972236	1.06833902	1.15865875	0.6997511
A_55_P2087	334.1	Detected	281.2	Detected	444.1	Detected	591	Detected	Il4i1	1.768931458	1.32924274	2.10170697	1.579303
A_52_P5347	272.6	Detected	323.6	Detected	381.2	Detected	482.2	Detected	Gm10101	1.76889215	1.39838591	1.49011125	1.1779975
A_55_P2102	2330.1	Detected	2393.2	Detected	2966.6	Detected	4121.1	Detected	Pnrc1	1.768636539	1.27316424	1.72200401	1.2395955
A_55_P2109	3288.4	Detected	4468.1	Detected	2892.7	Detected	5815.8	Detected	Dot1l	1.768580465	0.87966792	1.30162709	0.6474117

A_52_P1062	35	Detected	34.4	Detected	10.7	Not Detect	61.9	Detected	Rnf157	1.768571429	0.30571429	1.7994186	0.3110465
A_51_P2377	14746.8	Detected	20878.4	Detected	25448	Detected	26076.6	Detected	H2-T23	1.768288713	1.72566252	1.24897502	1.2188673
A_52_P5652	151.6	Detected	276.5	Detected	241.2	Detected	268	Detected	Cecr5	1.767810026	1.59102902	0.96925859	0.8723327
A_55_P1991	8561.9	Detected	7476.7	Detected	9802.3	Detected	15132.4	Detected	Dhx32	1.767411439	1.14487439	2.02394104	1.3110463
A_55_P2028	59.7	Detected	44.7	Detected	69.5	Detected	105.5	Detected	5033425G24Rik	1.767169179	1.1641541	2.36017897	1.5548098
A_55_P2103	12895.9	Detected	14465.9	Detected	19240.3	Detected	22784.1	Detected	Mrpl4	1.766770834	1.49197032	1.57502126	1.3300451
A_51_P3897	1586.4	Detected	1745	Detected	2324	Detected	2802.4	Detected	Relb	1.766515381	1.46495209	1.60595989	1.3318052
A_55_P2157	506.2	Detected	489	Detected	767.6	Detected	894.2	Detected	Tmem241	1.766495456	1.51639668	1.82862986	1.5697342
A_55_P2294	845.1	Detected	765.3	Detected	1274.5	Detected	1492.8	Detected	Pura	1.766418175	1.50810555	1.9506076	1.66536
A_55_P2128	1359.7	Detected	1960.5	Detected	1250	Detected	2401.7	Detected	Ids	1.766345517	0.91932044	1.22504463	0.6375925
A_55_P2359	757.7	Detected	667.8	Detected	928.4	Detected	1338.3	Detected	A930026B05Rik	1.766266332	1.22528705	2.00404313	1.3902366
A_51_P3527	103.5	Detected	105.7	Detected	165.2	Detected	182.8	Detected	Mpv17l	1.766183575	1.59613527	1.72942289	1.5629139
A_51_P4615	5105.7	Detected	5162.5	Detected	7290.9	Detected	9017.3	Detected	Fdxr	1.766124136	1.42799224	1.74669249	1.4122809
A_55_P2167	44	Detected	27	Detected	53.4	Detected	77.7	Detected	Acsf2	1.765909091	1.21363636	2.87777778	1.9777778
A_55_P2082	6862	Detected	7534.4	Detected	8701.2	Detected	12116.8	Detected	Ezh1	1.765782571	1.26802681	1.60819707	1.154863
A_55_P1965	47.8	Detected	80.5	Detected	65.1	Detected	84.4	Detected	Ahsa2	1.765690377	1.36192469	1.0484472	0.8086957
A_51_P1051	453.4	Detected	211.2	Detected	1007.6	Detected	800.4	Detected	P2ry6	1.765328628	2.22232025	3.78977273	4.7708333
A_55_P2001	14370.8	Detected	20274.2	Detected	15702.6	Detected	25365.9	Detected	Dctn6	1.765100064	1.09267403	1.25114185	0.7745114
A_55_P2018	36.6	Detected	65	Detected	52	Detected	64.6	Detected	Tbpl1	1.765027322	1.42076503	0.99384615	0.8
A_55_P1995	21.7	Detected	41.2	Detected	12	Not Detect	38.3	Not Detect	Ptger1	1.764976959	0.55299539	0.92961165	0.2912621
A_55_P2016	299.3	Detected	318.7	Detected	591.9	Detected	528.2	Detected	Lrrc49	1.764784497	1.97761443	1.65735802	1.8572325
A_51_P4262	200.3	Detected	185	Detected	402.7	Detected	353.4	Detected	Pdk2	1.764353347	2.01048427	1.91027027	2.1767568
A_52_P4032	66.1	Detected	86.6	Detected	177.6	Detected	116.6	Detected	B230217C12Rik	1.763993949	2.68683812	1.34642032	2.0508083
A_55_P2017	39524.2	Detected	44436.5	Detected	63464	Detected	69717.9	Detected	Etfb	1.763929441	1.6056998	1.5689332	1.4281953
A_55_P2040	2180.2	Detected	3572.1	Detected	2506.1	Detected	3845.7	Detected	Dhps	1.763920741	1.1494817	1.0765936	0.7015761
A_52_P2199	664	Detected	961.2	Detected	860.3	Detected	1170.9	Detected	Afmid	1.763403614	1.29563253	1.21816479	0.895027
A_55_P2060	1005.3	Detected	692.1	Detected	2159	Detected	1772.7	Detected	Rnf141	1.763354223	2.14761763	2.56133507	3.1194914
A_55_P2030	128.5	Detected	687.9	Detected	135.5	Detected	226.5	Detected	Esr1	1.762645914	1.05447471	0.32926297	0.1969763
A_55_P2022	892.5	Detected	1097.2	Detected	756.3	Detected	1573	Detected	Cntnap1	1.762464986	0.84739496	1.43364929	0.6893
A_55_P2122	39.1	Detected	81.3	Detected	43.2	Detected	68.9	Detected	Cbr2	1.762148338	1.10485934	0.84747847	0.5313653
A_55_P1988	269.6	Detected	290.9	Detected	372.4	Detected	475	Detected	Acss2	1.761869436	1.38130564	1.63286353	1.280165
A_55_P2065	738.8	Detected	436.9	Detected	2017.1	Detected	1301.6	Detected	Gstm3	1.761775853	2.73023822	2.97917144	4.616846
A_55_P2036	23.5	Detected	29.3	Detected	30.5	Detected	41.4	Not Detect	Gm15292	1.761702128	1.29787234	1.41296928	1.0409556
A_55_P1974	33.9	Detected	529.6	Detected	13.7	Not Detect	59.7	Detected	Fabp3	1.761061947	0.40412979	0.11272659	0.0258686
A_55_P2159	831.8	Detected	1197.7	Detected	1100.8	Detected	1464.8	Detected	Tead4	1.76100024	1.32339505	1.22301077	0.9190949
A_51_P2249	2935.6	Detected	3726	Detected	2693.7	Detected	5167.3	Detected	Cln8	1.760219376	0.91759777	1.38682233	0.7229469
A_55_P2116	122.5	Detected	117.2	Detected	130.7	Detected	215.6	Detected	Gm10371	1.76	1.06693878	1.83959044	1.1151877
A_51_P5024	24935.3	Detected	27877.7	Detected	30873.5	Detected	43876.5	Detected	Acot13	1.759613881	1.23814432	1.57389239	1.1074622
A_55_P2055	462.3	Detected	483.6	Detected	734.1	Detected	813.2	Detected	Etfb	1.759030932	1.58792992	1.681555	1.5179901
A_55_P2064	19.5	Detected	21	Detected	19.7	Detected	34.3	Not Detect	Mpp4	1.758974359	1.01025641	1.63333333	0.9380952

A_55_P1971	11.6 Not Detect	21.1 Detected	22.6 Detected	20.4 Not Detect	Gm6042	1.75862069	1.94827586	0.96682464	1.07109
A_55_P1957	15012.9 Detected	13568.9 Detected	18795.1 Detected	26399.9 Detected	Dhx32	1.75848104	1.25193001	1.94561829	1.3851602
A_55_P2139	12 Not Detect	79 Detected	7.7 Not Detect	21.1 Not Detect	Amy2a5	1.758333333	0.64166667	0.26708861	0.0974684
A_55_P2165	256.3 Detected	898.8 Detected	588.3 Detected	450.6 Detected	Krt36	1.758095981	2.295357	0.50133511	0.6545394
A_55_P2126	80.6 Detected	67.1 Detected	47.7 Detected	141.7 Detected	Zfp467	1.758064516	0.59181141	2.11177347	0.7108793
A_51_P4386	12424.2 Detected	13651.3 Detected	15971.8 Detected	21835.5 Detected	Keap1	1.757497465	1.28553951	1.59951799	1.1699838
A_51_P5109	1239.6 Detected	2191.8 Detected	1692.3 Detected	2178 Detected	Chchd7	1.757018393	1.36519845	0.99370381	0.7721051
A_55_P2181	66.2 Detected	79.2 Detected	119.5 Detected	116.3 Detected	Apol7a	1.756797583	1.80513595	1.46843434	1.5088384
A_52_P2021	134 Detected	121.8 Detected	186.3 Detected	235.4 Detected	Sv2a	1.756716418	1.39029851	1.93267652	1.5295567
A_55_P2030	37.4 Detected	59.7 Detected	55.8 Detected	65.7 Detected	Fan1	1.756684492	1.49197861	1.10050251	0.9346734
A_55_P2074	3283.9 Detected	5048.2 Detected	2327.8 Detected	5768.3 Detected	Nr2f1	1.75653948	0.70885228	1.1426449	0.4611149
A_55_P1990	50.5 Detected	85.3 Detected	38.2 Detected	88.7 Detected	Ophn1	1.756435644	0.75643564	1.03985932	0.4478312
A_55_P2052	1592.5 Detected	2578.7 Detected	1557.7 Detected	2796.3 Detected	Pcm1	1.755918367	0.97814757	1.0843836	0.6040641
A_51_P3490	3245.4 Detected	1843.1 Detected	6657.2 Detected	5694.8 Detected	Endog	1.754729771	2.05127257	3.08979437	3.6119581
A_52_P6637	420.2 Detected	414.5 Detected	546.1 Detected	737.1 Detected	Ganc	1.754164683	1.29961923	1.77828709	1.317491
A_52_P4087	6.1 Not Detect	12.3 Not Detect	20.6 Detected	10.7 Not Detect	Fcgr3	1.754098361	3.37704918	0.8699187	1.6747967
A_55_P2147	6.1 Not Detect	26.7 Detected	21 Detected	10.7 Not Detect	Olf141	1.754098361	3.44262295	0.40074906	0.7865169
A_55_P2175	664.7 Detected	625.9 Detected	698.2 Detected	1165.7 Detected	Chd2	1.753723484	1.05039868	1.86243809	1.1155137
A_55_P2118	955.1 Detected	1556.6 Detected	665.9 Detected	1674.8 Detected	Zfp68	1.753533661	0.69720448	1.07593473	0.4277913
A_55_P1986	187.4 Detected	233.5 Detected	200.6 Detected	328.6 Detected	Tbc1d32	1.753468517	1.07043757	1.40728051	0.8591006
A_55_P2178	1000.3 Detected	1519.7 Detected	1065.4 Detected	1753.9 Detected	Ccsap	1.753373988	1.06508048	1.15410936	0.7010594
A_66_P1110	75 Detected	108 Detected	192.4 Detected	131.5 Detected	Epb4.1l5	1.753333333	2.56533333	1.21759259	1.7814815
A_55_P2129	7306.1 Detected	9922 Detected	7722.8 Detected	12809.2 Detected	Rheb	1.753219912	1.05703453	1.29098972	0.7783511
A_51_P3938	1313.2 Detected	1636.1 Detected	2077.7 Detected	2302.3 Detected	Spryd4	1.753198294	1.5821657	1.40718782	1.2699102
A_55_P1991	85 Detected	101.6 Detected	110 Detected	149 Detected	Npvf	1.752941176	1.29411765	1.46653543	1.0826772
A_52_P4693	15693.6 Detected	22770 Detected	28416.9 Detected	27508.5 Detected	Comtd1	1.752848295	1.81073176	1.20810277	1.2479974
A_51_P3293	4553.5 Detected	7156.6 Detected	6452.3 Detected	7980.4 Detected	Zfand1	1.752585923	1.41699791	1.11511053	0.9015873
A_55_P2164	23.8 Detected	42.5 Detected	35.7 Detected	41.7 Not Detect	Efcab12	1.75210084	1.5	0.98117647	0.84
A_55_P1988	337.5 Detected	276.5 Detected	315.1 Detected	590.6 Detected	Mblac2	1.749925926	0.93362963	2.13598553	1.1396022
A_55_P1978	2733.9 Detected	5441 Detected	2849.8 Detected	4783.2 Detected	Fbxo8	1.7495885	1.04239365	0.87910311	0.523764
A_51_P2348	41.1 Detected	51.3 Detected	31.8 Detected	71.9 Detected	1700001L19Rik	1.749391727	0.77372263	1.40155945	0.619883
A_55_P2173	36.3 Detected	48.7 Detected	35.8 Detected	63.5 Detected	Vmn2r4	1.749311295	0.9862259	1.30390144	0.7351129
A_55_P1977	32.7 Detected	31.1 Detected	32.2 Detected	57.2 Detected	Klk4	1.749235474	0.98470948	1.8392283	1.0353698
A_55_P1981	161 Detected	143.6 Detected	228.5 Detected	281.6 Detected	5430410E06Rik	1.749068323	1.41925466	1.96100279	1.5912256
A_51_P4532	10598.3 Detected	9929.9 Detected	21432.7 Detected	18534.1 Detected	AI462493	1.748780465	2.02227716	1.86649412	2.1584004
A_51_P1470	227.8 Detected	191.7 Detected	265.6 Detected	398.3 Detected	Ica1l	1.748463565	1.16593503	2.07772561	1.3854982
A_55_P2069	1274.9 Detected	1566.6 Detected	1242.6 Detected	2228.7 Detected	Ttll3	1.748137109	0.97466468	1.42263501	0.7931827
A_55_P2021	201.6 Detected	363.1 Detected	369.5 Detected	352.4 Detected	Hbs1l	1.748015873	1.8328373	0.97053153	1.017626
A_51_P3882	1782.8 Detected	2404.1 Detected	2325 Detected	3116.2 Detected	Mmachc	1.747924613	1.30412834	1.29620232	0.9670979
A_51_P3927	1733.3 Detected	1787.3 Detected	2807 Detected	3029.6 Detected	Xpc	1.747879767	1.61945422	1.69507078	1.5705254

A_55_P2084	23 Detected	74.5 Detected	14.8 Not Detect	40.2 Not Detect	Gm10661	1.747826087	0.64347826	0.53959732	0.1986577
A_52_P4912	226.7 Detected	291.6 Detected	56.9 Detected	396.2 Detected	Zfp287	1.747684164	0.2509925	1.35871056	0.1951303
A_55_P2075	568.7 Detected	488.6 Detected	510.9 Detected	993.8 Detected	Zfp609	1.747494285	0.89836469	2.03397462	1.0456406
A_55_P1984	19.4 Detected	29.2 Detected	8.6 Not Detect	33.9 Not Detect	Retn	1.74742268	0.44329897	1.1609589	0.2945205
A_51_P4317	1056.9 Detected	1838.6 Detected	1305 Detected	1846.7 Detected	Fam185a	1.74727978	1.23474312	1.00440553	0.7097792
A_55_P2179	65.2 Detected	153.6 Detected	44.6 Detected	113.9 Detected	A630033H20Rik	1.746932515	0.68404908	0.74153646	0.2903646
A_55_P2389	943.6 Detected	625.9 Detected	1291.1 Detected	1648.4 Detected	Gpr64	1.746926664	1.36827045	2.63364755	2.0627896
A_51_P1612	936.2 Detected	1564.3 Detected	1176.6 Detected	1635.4 Detected	Ccl25	1.746848964	1.25678274	1.04545164	0.7521575
A_55_P1984	2444.1 Detected	1529.8 Detected	3641 Detected	4268.1 Detected	Naip2	1.746286977	1.48970991	2.78997255	2.3800497
A_51_P3570	12815.7 Detected	17781.1 Detected	13892.2 Detected	22374.3 Detected	Dctn6	1.745850792	1.08399853	1.25831923	0.7812902
A_52_P3736	17.3 Detected	7 Not Detect	27.6 Detected	30.2 Not Detect	Zfp174	1.74566474	1.59537572	4.31428571	3.9428571
A_51_P3082	78.6 Detected	58.9 Detected	43.9 Detected	137.2 Detected	Myl9	1.745547074	0.55852417	2.32937182	0.7453311
A_51_P2483	3543.4 Detected	4033.1 Detected	4527.8 Detected	6183.8 Detected	Vps26b	1.745160016	1.27781227	1.53326225	1.12266
A_55_P2006	1421.6 Detected	724 Detected	280.6 Detected	2480 Detected	Myo5c	1.744513225	0.19738323	3.42541436	0.3875691
A_51_P1368	18 Detected	31.8 Detected	25.3 Detected	31.4 Not Detect	Kif9	1.744444444	1.40555556	0.98742138	0.7955975
A_55_P2032	14995.5 Detected	17547.6 Detected	22833.1 Detected	26157.4 Detected	Bola3	1.744349972	1.52266347	1.49065399	1.3012093
A_51_P2635	535.5 Detected	425.5 Detected	70.4 Detected	934 Detected	Pank1	1.744164332	0.13146592	2.19506463	0.1654524
A_55_P2024	5314.4 Detected	4384.9 Detected	6153.1 Detected	9268 Detected	Suv420h2	1.743940991	1.1578165	2.11361719	1.4032475
A_55_P2178	2325.6 Detected	2196.7 Detected	2939.7 Detected	4055.6 Detected	Tmem80	1.743894049	1.26406089	1.84622388	1.3382346
A_66_P1340	4541.5 Detected	5424 Detected	5905.5 Detected	7919.6 Detected	Vps25	1.743829131	1.3003413	1.46010324	1.0887721
A_55_P2027	207.6 Detected	194.7 Detected	206.6 Detected	362 Detected	Prdm9	1.743737958	0.99518304	1.85927067	1.0611197
A_55_P2074	286.7 Detected	344.9 Detected	290.3 Detected	499.8 Detected	Yars	1.743285664	1.01255668	1.44911569	0.8416932
A_55_P2022	23435.6 Detected	23267.7 Detected	27820.2 Detected	40853.6 Detected	Cdkn2d	1.743228251	1.18709143	1.75580741	1.1956575
A_55_P2151	40050.1 Detected	40216.8 Detected	29573.9 Detected	69797.9 Detected	Nudt9	1.742764687	0.73842263	1.73554087	0.7353618
A_65_P1939	24717.1 Detected	30985.9 Detected	36470.2 Detected	43065.8 Detected	H2-D1	1.742348415	1.47550481	1.38985151	1.1769934
A_55_P2106	58.6 Detected	61.7 Detected	45 Detected	102.1 Detected	Bglap2	1.742320819	0.76791809	1.6547812	0.7293355
A_55_P2000	18482.5 Detected	10617.8 Detected	18572.7 Detected	32196.2 Detected	Slc6a8	1.741982957	1.00488029	3.03228541	1.7492042
A_52_P3683	397.2 Detected	519.4 Detected	432 Detected	691.9 Detected	Rap2b	1.741943605	1.08761329	1.33211398	0.8317289
A_52_P3501	98.4 Detected	118.9 Detected	84.6 Detected	171.4 Detected	Celsr2	1.741869919	0.8597561	1.44154752	0.7115223
A_55_P2106	21.3 Detected	35.8 Detected	29.1 Detected	37.1 Not Detect	Tctn1	1.741784038	1.36619718	1.03631285	0.8128492
A_55_P2167	129.3 Detected	143.4 Detected	169.5 Detected	225.2 Detected	Nat9	1.741686002	1.31090487	1.57043236	1.1820084
A_51_P3831	467.5 Detected	753.5 Detected	170.1 Detected	814.2 Detected	Pde9a	1.741604278	0.36385027	1.0805574	0.2257465
A_55_P2010	38.7 Detected	59.8 Detected	33.8 Detected	67.4 Detected	Tdpoz2	1.741602067	0.87338501	1.1270903	0.5652174
A_51_P1817	253.4 Detected	247.3 Detected	387.4 Detected	441.3 Detected	Zfyve1	1.741515391	1.52880821	1.7844723	1.5665184
A_52_P2144	112.9 Detected	97.8 Detected	47.9 Detected	196.6 Detected	Gm5148	1.741364039	0.42426926	2.01022495	0.4897751
A_55_P2114	526.2 Detected	542.5 Detected	1088.8 Detected	916.3 Detected	Gtf2a2	1.741353098	2.06917522	1.68903226	2.0070046
A_55_P2032	323.4 Detected	795.8 Detected	417.6 Detected	563.1 Detected	Klra9	1.741187384	1.29128015	0.70758985	0.524755
A_55_P2101	375.3 Detected	1563.3 Detected	402.5 Detected	653.1 Detected	Ramp2	1.740207834	1.07247535	0.4177701	0.2574682
A_55_P2232	20.4 Detected	20 Detected	19.5 Detected	35.5 Not Detect	2900057B20Rik	1.740196078	0.95588235	1.775	0.975
A_51_P4846	35.4 Detected	131.8 Detected	5.7 Not Detect	61.6 Detected	Adcy3	1.740112994	0.16101695	0.46737481	0.0432473

A_55_P2128	25 Detected	35.1 Detected	24.5 Detected	43.5 Not Detect	Dclre1b	1.74	0.98	1.23931624	0.6980057
A_55_P2319	92.9 Detected	153.6 Detected	153.9 Detected	161.6 Detected	BB557941	1.739504844	1.65662002	1.05208333	1.0019531
A_55_P2258	136.3 Detected	105 Detected	255.5 Detected	237 Detected	4833445107Rik	1.738811445	1.87454145	2.25714286	2.4333333
A_55_P1957	28.6 Detected	41.1 Detected	13.9 Not Detect	49.7 Detected	Snx25	1.737762238	0.48601399	1.20924574	0.3381995
A_55_P2057	48.8 Detected	60.2 Detected	56.6 Detected	84.8 Detected	Gm6654	1.737704918	1.15983607	1.40863787	0.9401993
A_55_P2051	790.9 Detected	915.5 Detected	953.7 Detected	1374.2 Detected	Ccdc88c	1.737514224	1.20584145	1.50103768	1.0417258
A_51_P4433	13256.5 Detected	18019.5 Detected	14208.6 Detected	23032.7 Detected	Trappc2l	1.73746464	1.07182137	1.27820972	0.7885124
A_51_P4909	171.2 Detected	315.4 Detected	216.2 Detected	297.4 Detected	Hapln4	1.737149533	1.26285047	0.94292961	0.6854788
A_51_P2505	1845.9 Detected	3104 Detected	1587 Detected	3206.1 Detected	Dhx38	1.73687632	0.85974321	1.03289304	0.5112758
A_51_P4238	201.2 Detected	140.7 Detected	179.5 Detected	349.4 Detected	4632433K11Rik	1.736580517	0.89214712	2.4832978	1.275764
A_55_P2099	10054.6 Detected	5760.3 Detected	22109.7 Detected	17460.5 Detected	Klc4	1.736568337	2.19896366	3.03117893	3.8382897
A_55_P2109	616.1 Detected	554.5 Detected	1425.1 Detected	1069.8 Detected	Plekha7	1.736406428	2.31309852	1.92930568	2.5700631
A_52_P3997	1535.9 Detected	1382.2 Detected	2547.7 Detected	2666.9 Detected	Ccdc50	1.736376066	1.65876685	1.92946028	1.843221
A_55_P1967	414.9 Detected	306.3 Detected	307.3 Detected	720.4 Detected	Fam19a5	1.736322005	0.7406604	2.35194254	1.0032648
A_55_P1972	51304.1 Detected	68734.1 Detected	53169.8 Detected	89064.9 Detected	Polr1d	1.736019149	1.03636551	1.29578914	0.7735578
A_51_P4330	587.8 Detected	553.7 Detected	506.3 Detected	1020.4 Detected	Chmp4c	1.735964614	0.8613474	1.8428752	0.9143941
A_55_P2039	664.5 Detected	1066.2 Detected	735.4 Detected	1153.5 Detected	Acyp2	1.735891648	1.10669676	1.08187957	0.6897393
A_52_P3453	5.3 Not Detect	19.4 Detected	3.2 Not Detect	9.2 Not Detect	Ccdc37	1.735849057	0.60377358	0.4742268	0.1649485
A_55_P2073	5.3 Not Detect	63.8 Detected	5.4 Not Detect	9.2 Not Detect	Fgf6	1.735849057	1.01886792	0.14420063	0.0846395
A_55_P2017	2757.5 Detected	2005.2 Detected	1624.5 Detected	4786.4 Detected	Rbm43	1.735775159	0.58912058	2.38699382	0.8101436
A_51_P3300	7717.4 Detected	8229.1 Detected	9318.8 Detected	13392.3 Detected	Trappc9	1.735338326	1.20750512	1.62743192	1.1324203
A_55_P1987	885.9 Detected	1155.2 Detected	624 Detected	1537.3 Detected	Fam214b	1.735297438	0.70436844	1.33076524	0.5401662
A_66_P1405	7070.8 Detected	9006.6 Detected	10226.3 Detected	12269.7 Detected	Selk	1.735263337	1.44627199	1.36230098	1.1354229
A_55_P1966	267 Detected	419.5 Detected	262.4 Detected	463.3 Detected	Actr3b	1.735205993	0.98277154	1.10441001	0.6255066
A_55_P1963	2074.3 Detected	2382.5 Detected	2520.6 Detected	3599.1 Detected	Pgap1	1.735091356	1.21515692	1.51064008	1.0579643
A_51_P4087	4.9 Not Detect	6.8 Not Detect	126.3 Detected	8.5 Not Detect	Abcb8	1.734693878	25.7755102	1.25	18.573529
A_52_P4538	7722.5 Detected	9616.8 Detected	4677.9 Detected	13395.4 Detected	Foxo1	1.73459372	0.60574943	1.39291656	0.48643
A_51_P1733	44.4 Detected	56.2 Detected	49.7 Detected	77 Detected	Dtd2	1.734234234	1.11936937	1.37010676	0.8843416
A_51_P3457	1945 Detected	1897.7 Detected	2989.8 Detected	3372.8 Detected	Tmem180	1.734087404	1.53717224	1.77730937	1.5754861
A_55_P1956	3539.8 Detected	3642.1 Detected	3231.3 Detected	6137.1 Detected	Fam83g	1.733742019	0.91284818	1.68504434	0.8872079
A_55_P2301	33436.3 Detected	34753 Detected	35501.6 Detected	57966.6 Detected	A530030E21Rik	1.733642777	1.0617682	1.6679596	1.0215406
A_55_P1999	2860.7 Detected	2996.3 Detected	3045.1 Detected	4959 Detected	Galnt12	1.733491803	1.06445975	1.65504122	1.0162868
A_55_P2221	1926.2 Detected	922 Detected	3220.1 Detected	3338.6 Detected	Il22ra1	1.73325719	1.6717371	3.62104121	3.4925163
A_51_P1074	15850.7 Detected	21401.3 Detected	22530.9 Detected	27463.5 Detected	Mrpl34	1.732636414	1.42144511	1.28326317	1.0527818
A_51_P4449	4114.5 Detected	2840.4 Detected	7191.4 Detected	7127.4 Detected	Tmem203	1.732263945	1.74781869	2.50929447	2.5318265
A_55_P2256	45.5 Detected	44.6 Detected	41.2 Detected	78.8 Detected	2810019C22Rik	1.731868132	0.90549451	1.76681614	0.9237668
A_52_P3546	5673.4 Detected	5937.7 Detected	9306.3 Detected	9824.2 Detected	Elovl7	1.731624775	1.64033913	1.65454637	1.567324
A_52_P5787	309.3 Detected	312.5 Detected	390.7 Detected	535.5 Detected	Slc38a9	1.731328807	1.26317491	1.7136	1.25024
A_66_P1353	103 Detected	101.4 Detected	94.6 Detected	178.3 Detected	Tyr	1.731067961	0.9184466	1.75838264	0.9329389
A_51_P1144	36.8 Detected	26.9 Detected	35.7 Detected	63.7 Detected	Tceanc2	1.730978261	0.9701087	2.36802974	1.3271375

A_66_P1227	147.8	Detected	145.3	Detected	219.7	Detected	255.8	Detected	BC025920	1.730717185	1.4864682	1.76049553	1.512044	
A_55_P1965	38.6	Detected	39.7	Detected	56.6	Detected	66.8	Detected	Kbtbd3	1.730569948	1.46632124	1.68261965	1.4256927	
A_55_P2164	923.9	Detected	1068	Detected	1320	Detected	1598.6	Detected	Hoxa10	1.730273839	1.42872605	1.49681648	1.2359551	
A_51_P3286	16.3	Detected	90.6	Detected	23.4	Detected	28.2	Not Detect	Sis	1.73006135	1.43558282	0.31125828	0.2582781	
A_55_P2019	192.6	Detected	446.2	Detected	324.9	Detected	333.2	Detected	2700060E02Rik	1.730010384	1.68691589	0.74675034	0.7281488	
A_51_P4705	20	Detected	25	Detected	21.7	Detected	34.6	Not Detect	1700019B03Rik	1.73	1.085	1.384	0.868	
A_55_P2348	300.8	Detected	201.8	Detected	229.4	Detected	520.3	Detected	1700025G04Rik	1.729720745	0.76263298	2.57829534	1.1367691	
A_51_P1434	723.6	Detected	1075.5	Detected	526.7	Detected	1251.4	Detected	Klhl26	1.729408513	0.72788834	1.16355184	0.4897257	
A_52_P1067	57.6	Detected	56.9	Detected	58.4	Detected	99.6	Detected	Gk5	1.729166667	1.01388889	1.75043937	1.026362	
A_52_P4586	17439.8	Detected	20604.2	Detected	22269.8	Detected	30152	Detected	Higd1a	1.72891891	1.27695272	1.46339096	1.0808379	
A_55_P2165	20.6	Detected	19.9	Detected	12.2	Not Detect	35.6	Not Detect	Zbtb4	1.72815534	0.59223301	1.78894472	0.6130653	
A_51_P1252	3668	Detected	868.6	Detected	34593	Detected	6337	Detected	Aqp1	1.727644493	9.43102508	7.29564817	39.826157	
A_55_P2015	1228.7	Detected	822.1	Detected	2747.3	Detected	2122.6	Detected		3-Mar	1.727516888	2.23594042	2.58192434	3.3418076
A_55_P2050	2800.1	Detected	3041	Detected	3561.7	Detected	4836.9	Detected	Zbed4	1.727402593	1.27199029	1.59056232	1.1712266	
A_55_P1988	1470.3	Detected	1471.1	Detected	2114.8	Detected	2539.4	Detected	Acss2	1.727130518	1.43834592	1.72619129	1.4375637	
A_55_P2138	35.9	Detected	63.5	Detected	18.2	Detected	62	Detected	Stau2	1.727019499	0.50696379	0.97637795	0.2866142	
A_51_P4152	1512.2	Detected	1238.2	Detected	1320.6	Detected	2611	Detected	LOC101055652	1.726623463	0.87329718	2.10870619	1.0665482	
A_55_P2122	79	Detected	91.8	Detected	96.3	Detected	136.4	Detected	Olfir207	1.726582278	1.21898734	1.48583878	1.0490196	
A_55_P2029	168.1	Detected	207.3	Detected	183.2	Detected	290.2	Detected	Smad1	1.726353361	1.08982748	1.39990352	0.8837434	
A_55_P2081	6558	Detected	5482.9	Detected	5307.3	Detected	11318.9	Detected	Btbdl	1.725968283	0.80928637	2.06440023	0.9679732	
A_51_P1610	1219.7	Detected	636.3	Detected	1264.2	Detected	2105.1	Detected	Itgb6	1.725916209	1.03648438	3.30834512	1.9867987	
A_55_P2016	63.1	Detected	80.4	Detected	59.9	Detected	108.9	Detected	Slc1a7	1.725832013	0.94928685	1.35447761	0.7450249	
A_51_P4625	4342.1	Detected	5354.4	Detected	5456.6	Detected	7493.6	Detected	Gmppa	1.72580088	1.25667304	1.39952189	1.0190871	
A_55_P2020	1324.3	Detected	1239.9	Detected	1204.1	Detected	2285.3	Detected	Aasdh	1.72566639	0.90923507	1.84313251	0.9711267	
A_51_P1073	1974.6	Detected	5467.5	Detected	2537.9	Detected	3407.5	Detected	Socs2	1.725665958	1.28527297	0.62322817	0.4641792	
A_51_P2173	14365.2	Detected	13636.1	Detected	12948.8	Detected	24788.4	Detected	Kif1c	1.725586835	0.90140061	1.81785115	0.949597	
A_51_P4061	5.1	Not Detect	7.8	Not Detect	25.7	Detected	8.8	Not Detect	Nxpe2	1.725490196	5.03921569	1.12820513	3.2948718	
A_55_P1966	294.3	Detected	518.6	Detected	515.9	Detected	507.8	Detected	Apoa2	1.725450221	1.75297316	0.9791747	0.9947937	
A_55_P2363	46.9	Detected	58.5	Detected	58.1	Detected	80.9	Detected	AI428898	1.724946695	1.23880597	1.38290598	0.9931624	
A_55_P1974	13693.2	Detected	23289.8	Detected	13557.6	Detected	23619	Detected	Tsnax	1.724870739	0.99009727	1.01413494	0.5821261	
A_55_P2060	932.8	Detected	1259.7	Detected	1266.8	Detected	1608.8	Detected	Trmt10b	1.724699828	1.35806175	1.27712948	1.0056363	
A_55_P2066	23090.2	Detected	20452.4	Detected	27017.3	Detected	39804.7	Detected	Hid1	1.723878529	1.17007648	1.94621169	1.3209843	
A_52_P5215	274.1	Detected	259	Detected	430	Detected	472.5	Detected	Isoc2a	1.723823422	1.56877052	1.82432432	1.6602317	
A_51_P4373	44.5	Detected	56.9	Detected	47.4	Detected	76.7	Detected	Ascl1	1.723595506	1.06516854	1.34797891	0.8330404	
A_55_P1952	10329.4	Detected	21146.4	Detected	9147.1	Detected	17802.3	Detected	Ppp3ca	1.723459252	0.8855403	0.84185961	0.4325606	
A_55_P2143	14.8	Detected	26.6	Detected	32.4	Detected	25.5	Not Detect	Rwdd3	1.722972973	2.18918919	0.95864662	1.2180451	
A_55_P2029	23512.9	Detected	24632.3	Detected	29638.7	Detected	40502.1	Detected	Etfa	1.722548048	1.26052933	1.64426789	1.2032453	
A_52_P1767	314.6	Detected	359.7	Detected	416.6	Detected	541.9	Detected	Lcorl	1.722504768	1.32422123	1.50653322	1.1581874	
A_51_P1615	246.9	Detected	315.1	Detected	246.9	Detected	425.2	Detected	Arid3b	1.722154719	1	1.34941288	0.7835608	
A_51_P4060	37173.4	Detected	37015.8	Detected	38758.1	Detected	64017.9	Detected	Abhd4	1.722142715	1.04262995	1.72947498	1.0470691	

A_55_P2080	41.7	Detected	62.1	Detected	34.1	Detected	71.8	Detected	Pskh1	1.721822542	0.8177458	1.15619968	0.5491143
A_51_P3216	4743.2	Detected	6613.7	Detected	4942.1	Detected	8166	Detected	Fam192a	1.721622533	1.04193372	1.23470977	0.7472519
A_51_P5057	899.3	Detected	1008.6	Detected	1020	Detected	1547.6	Detected	Tapbpl	1.720894029	1.1342155	1.53440412	1.0113028
A_55_P2051	53.7	Detected	44.9	Detected	43.8	Detected	92.4	Detected	Zfp518a	1.720670391	0.81564246	2.05790646	0.9755011
A_51_P3103	861	Detected	1173	Detected	1000.3	Detected	1481.4	Detected	Tk2	1.720557491	1.16178862	1.2629156	0.8527707
A_55_P2073	8619	Detected	11393.1	Detected	14423.8	Detected	14829.3	Detected	H2-Ke6	1.720536025	1.6734888	1.3016036	1.2660119
A_55_P1960	151.3	Detected	167.8	Detected	138.8	Detected	260.3	Detected	Kdm5b	1.720423001	0.91738268	1.55125149	0.8271752
A_51_P2844	347.7	Detected	497.5	Detected	287.9	Detected	598.1	Detected	9530077C05Rik	1.720161058	0.82801265	1.20221106	0.5786935
A_52_P5289	2083.6	Detected	2826.9	Detected	1700.5	Detected	3584	Detected	Eps15l1	1.720099827	0.81613553	1.26781987	0.6015423
A_55_P1960	136.8	Detected	190	Detected	110.6	Detected	235.3	Detected	Kdm5b	1.72002924	0.80847953	1.23842105	0.5821053
A_51_P4508	4615.6	Detected	6274.2	Detected	4968.7	Detected	7937.6	Detected	Cog4	1.719733079	1.07650143	1.26511747	0.7919257
A_51_P2031	419	Detected	455.8	Detected	472.2	Detected	720.5	Detected	Mbd4	1.719570406	1.12696897	1.58073717	1.0359807
A_55_P2097	16.4	Detected	17.3	Detected	26	Detected	28.2	Not Detect	H2-T18	1.719512195	1.58536585	1.6300578	1.5028902
A_66_P1316	15413.2	Detected	37426.3	Detected	11721.6	Detected	26501.3	Detected	Otud4	1.719389874	0.76049101	0.70809297	0.3131915
A_55_P2097	83.7	Detected	65.7	Detected	98.7	Detected	143.9	Detected	Rabif	1.719235364	1.17921147	2.19025875	1.5022831
A_51_P4796	37	Detected	44.3	Detected	47.9	Detected	63.6	Detected	Cdnf	1.718918919	1.29459459	1.43566591	1.0812641
A_52_P1884	432.2	Detected	702.8	Detected	348.3	Detected	742.9	Detected	Prosc	1.718880148	0.80587691	1.05705748	0.4955891
A_55_P1961	9842.2	Detected	8345.6	Detected	10496.7	Detected	16915.7	Detected	Pnpla2	1.718690943	1.06649936	2.0269004	1.2577526
A_55_P2219	127.9	Detected	170.9	Detected	165.4	Detected	219.8	Detected	1700113A16Rik	1.718530102	1.29319781	1.28613224	0.9678174
A_55_P1955	1180.9	Detected	1089.5	Detected	1462	Detected	2029.3	Detected	Igflr1	1.718435092	1.23803878	1.86259752	1.3419
A_55_P2066	2560.2	Detected	1273	Detected	1487.2	Detected	4399.5	Detected	Orai2	1.718420436	0.58089212	3.45600943	1.1682639
A_55_P2164	17307.7	Detected	20524.2	Detected	27260.7	Detected	29741	Detected	D10Jhu81e	1.718368125	1.57506197	1.44906988	1.3282223
A_55_P1979	1255.7	Detected	1166.3	Detected	1137.3	Detected	2157.5	Detected	Cdkn2b	1.718165167	0.90570996	1.8498671	0.975135
A_52_P3943	23862.7	Detected	22263.9	Detected	33562.5	Detected	40997.7	Detected	Abcd3	1.718066271	1.40648376	1.84144287	1.5074852
A_51_P2939	3492.3	Detected	4513.8	Detected	5579.6	Detected	6000	Detected	Dhrs1	1.718065458	1.59768634	1.32925695	1.2361203
A_55_P1975	223.1	Detected	275.3	Detected	259.1	Detected	383.3	Detected	Acyp1	1.718063649	1.16136262	1.39229931	0.9411551
A_55_P2064	13777	Detected	15402.2	Detected	17273.6	Detected	23664.4	Detected	Prss53	1.717674385	1.25379981	1.53642986	1.1215021
A_51_P1151	32332.8	Detected	43968.7	Detected	44999.5	Detected	55526.6	Detected	Fam162a	1.717345853	1.39176007	1.26286654	1.0234439
A_52_P2117	130.4	Detected	88.4	Detected	119	Detected	223.9	Detected	Myo1d	1.71702454	0.91257669	2.53280543	1.3461538
A_55_P2120	2680.5	Detected	3630.9	Detected	2739.7	Detected	4602	Detected	Golga7	1.716843872	1.02208543	1.26745435	0.7545512
A_52_P4268	1178.8	Detected	1521	Detected	1454.3	Detected	2023.6	Detected	C230052I12Rik	1.716661011	1.23371225	1.3304405	0.9561473
A_55_P1963	21579.1	Detected	26394.9	Detected	21593.3	Detected	37041.3	Detected	Cyb5b	1.716535907	1.00065804	1.40335065	0.8180861
A_55_P2130	14.1	Not Detect	27	Detected	94.7	Detected	24.2	Not Detect	2210404O07Rik	1.716312057	6.71631206	0.8962963	3.5074074
A_66_P1088	5024.9	Detected	7060	Detected	4840.9	Detected	8624.1	Detected	Pgls	1.716272961	0.96338236	1.22154391	0.6856799
A_55_P2050	165.2	Detected	193.3	Detected	195.9	Detected	283.5	Detected	Gm5785	1.716101695	1.18583535	1.46663218	1.0134506
A_55_P2260	1239.5	Detected	1429.7	Detected	1085	Detected	2126.9	Detected	6330418K02Rik	1.715933844	0.87535296	1.48765475	0.7589005
A_66_P1130	17.6	Detected	18.1	Detected	17.7	Detected	30.2	Not Detect	Nlrc5	1.715909091	1.00568182	1.66850829	0.9779006
A_51_P3748	17.6	Detected	20	Detected	17.3	Detected	30.2	Not Detect	Shd	1.715909091	0.98295455	1.51	0.865
A_51_P2889	326.1	Detected	317.4	Detected	189.2	Detected	559.5	Detected	Tmtc2	1.715731371	0.58019013	1.76275992	0.5960933
A_55_P2099	21.1	Detected	28.9	Detected	42.4	Detected	36.2	Not Detect	Gdf1	1.71563981	2.00947867	1.25259516	1.467128

A_51_P3539	228.2 Detected	260.4 Detected	287.6 Detected	391.5 Detected	Icam5	1.715600351	1.26029798	1.50345622	1.1044547
A_55_P2053	1936.2 Detected	2541.5 Detected	3149.1 Detected	3321.6 Detected	Sorbs1	1.715525256	1.62643322	1.30694472	1.2390714
A_52_P3112	4987.1 Detected	4542.6 Detected	9730.1 Detected	8553.4 Detected	Scarb2	1.715104971	1.95105372	1.88293048	2.1419672
A_55_P1994	19.3 Detected	40.7 Detected	43.5 Detected	33.1 Not Detect	Vamp1	1.715025907	2.25388601	0.81326781	1.0687961
A_52_P6270	129 Detected	130.1 Detected	121.1 Detected	221.2 Detected	Fam175a	1.714728682	0.93875969	1.70023059	0.9308224
A_55_P2146	184.6 Detected	213.3 Detected	294.3 Detected	316.5 Detected	Carns1	1.714517876	1.59425785	1.4838256	1.3797468
A_52_P3818	1733.1 Detected	2487.7 Detected	1612.5 Detected	2971.3 Detected	Terf2ip	1.714442329	0.93041371	1.19439643	0.6481891
A_51_P3561	35 Detected	112.8 Detected	84.8 Detected	60 Detected	Snai3	1.714285714	2.42285714	0.53191489	0.751773
A_52_P2422	402 Detected	628.7 Detected	589.1 Detected	689 Detected	Diexf	1.713930348	1.46542289	1.0959122	0.9370129
A_55_P1962	35.3 Detected	36.5 Detected	14.5 Not Detect	60.5 Detected	Fam131c	1.71388102	0.41076487	1.65753425	0.3972603
A_51_P2759	3032.2 Detected	4671.6 Detected	5526.4 Detected	5195.1 Detected	Dok1	1.713310468	1.82257107	1.11206011	1.182978
A_52_P5663	2300.3 Detected	2491.2 Detected	3458.4 Detected	3940.8 Detected	Map3k11	1.713167848	1.50345607	1.58188825	1.3882466
A_52_P1102	1774.8 Detected	2554.4 Detected	2249.4 Detected	3040 Detected	Wdr83	1.712869056	1.26741041	1.19010335	0.8805982
A_55_P2021	10416 Detected	9426.9 Detected	18131.4 Detected	17841.2 Detected	Cpped1	1.712864823	1.74072581	1.89258399	1.9233682
A_52_P4969	2818.5 Detected	4530.1 Detected	2298.1 Detected	4827.3 Detected	Acsbg1	1.712719532	0.81536278	1.06560562	0.5072956
A_52_P2217	41.4 Detected	39.1 Detected	713.1 Detected	70.9 Detected	Kif12	1.712560386	17.2246377	1.81329923	18.237852
A_51_P1337	46.2 Detected	43.1 Detected	54.9 Detected	79.1 Detected	Ppp1r3e	1.712121212	1.18831169	1.83526682	1.2737819
A_55_P1983	27038.3 Detected	69819.9 Detected	20696.6 Detected	46289.4 Detected	S100a4	1.711993727	0.76545493	0.6629829	0.2964284
A_52_P6402	285.1 Detected	348.3 Detected	332.3 Detected	488 Detected	Stam	1.711680112	1.16555595	1.40109101	0.9540626
A_51_P4123	4385 Detected	3849.8 Detected	4703.5 Detected	7505.4 Detected	Vps41	1.711607754	1.07263398	1.94955582	1.2217518
A_52_P1899	319.3 Detected	241.8 Detected	450.9 Detected	546.5 Detected	Lrrc1	1.71155653	1.41215158	2.26013234	1.8647643
A_55_P2143	615 Detected	788.3 Detected	725.1 Detected	1052.6 Detected	Dyrk1b	1.711544715	1.17902439	1.33527845	0.9198275
A_66_P1375	651.6 Detected	796.8 Detected	698.1 Detected	1115.2 Detected	Tle1	1.711479435	1.0713628	1.39959839	0.8761295
A_52_P5977	2141.3 Detected	3368.4 Detected	3792.3 Detected	3664.5 Detected	Ccdc84	1.711343576	1.77102695	1.08790524	1.1258461
A_51_P1801	9915.7 Detected	13147.4 Detected	15093 Detected	16961.4 Detected	Hist1h2ba	1.710560021	1.52213157	1.29009538	1.1479836
A_55_P2402	38.3 Detected	35.4 Detected	40.3 Detected	65.5 Detected	Mad2l2	1.710182768	1.05221932	1.85028249	1.1384181
A_55_P2454	2962.5 Detected	3951.3 Detected	3713 Detected	5066.4 Detected	Smim8	1.710177215	1.25333333	1.28221092	0.9396907
A_51_P2448	269 Detected	481.8 Detected	296.4 Detected	459.9 Detected	Dapp1	1.709665428	1.10185874	0.95454545	0.615193
A_51_P2588	20.3 Detected	20 Detected	17.4 Not Detect	34.7 Not Detect	4933427G17Rik	1.709359606	0.85714286	1.735	0.87
A_51_P2887	25.1 Detected	14.8 Not Detect	22.7 Detected	42.9 Not Detect	Myo18b	1.709163347	0.90438247	2.89864865	1.5337838
A_55_P1960	92.8 Detected	115.4 Detected	177.8 Detected	158.6 Detected	Prune	1.709051724	1.91594828	1.37435009	1.5407279
A_55_P2100	37.8 Detected	59.3 Detected	82.9 Detected	64.6 Detected	Dnah7b	1.708994709	2.19312169	1.08937605	1.3979764
A_51_P2202	533.8 Detected	548 Detected	3645.3 Detected	912.1 Detected	Ppp2r2b	1.708692394	6.82896216	1.66441606	6.6520073
A_52_P5437	273.6 Detected	219.9 Detected	248.3 Detected	467.4 Detected	Qrich1	1.708333333	0.90752924	2.1255116	1.1291496
A_55_P2255	13.7 Not Detect	3.4 Not Detect	25.1 Detected	23.4 Not Detect	A730021G18Rik	1.708029197	1.83211679	6.88235294	7.3823529
A_55_P2055	45.2 Detected	52.8 Detected	37 Detected	77.2 Detected	Vmn1r52	1.707964602	0.81858407	1.46212121	0.7007576
A_55_P1997	110.6 Detected	82.9 Detected	111 Detected	188.9 Detected	Cpd	1.70795566	1.00361664	2.27864897	1.3389626
A_52_P2397	74.3 Detected	87.9 Detected	67.5 Detected	126.9 Detected	Sdf4	1.707940781	0.90847914	1.44368601	0.7679181
A_51_P1747	172.5 Detected	230.9 Detected	235.9 Detected	294.6 Detected	Krr1	1.707826087	1.36753623	1.275877	1.0216544
A_55_P2138	1841.7 Detected	1843 Detected	2307.5 Detected	3145.3 Detected	Tpk1	1.707824293	1.2529185	1.70661964	1.2520347

A_55_P2043	1208.5	Detected	1949.4	Detected	1720	Detected	2063.3	Detected	Cops7a	1.707323128	1.42325197	1.05842823	0.8823228
A_55_P2304	266	Detected	288.1	Detected	182.6	Detected	454.1	Detected	2700086A05Rik	1.707142857	0.68646617	1.57618882	0.6338077
A_55_P1973	15.7	Detected	12.1	Not Detect	3.6	Not Detect	26.8	Not Detect	Morn4	1.707006369	0.22929936	2.21487603	0.2975207
A_55_P2064	2675.3	Detected	3741.7	Detected	2770.7	Detected	4565.7	Detected	Gas2l3	1.706612343	1.03565955	1.22022076	0.7404923
A_55_P2183	79.7	Detected	89.7	Detected	72.1	Detected	136	Detected	Olf97	1.706398996	0.90464241	1.51616499	0.8037904
A_55_P2169	94.1	Detected	82.6	Detected	120.6	Detected	160.5	Detected	4930515G01Rik	1.705632306	1.2816153	1.94309927	1.4600484
A_55_P1983	38878.1	Detected	96155.2	Detected	29430.2	Detected	66301.8	Detected	S100a4	1.705376549	0.75698658	0.68952901	0.3060698
A_51_P3248	2367.3	Detected	3264.5	Detected	3540.2	Detected	4036.9	Detected	Cyb561a3	1.705276053	1.49545896	1.23660591	1.084454
A_55_P1968	1443.7	Detected	1114.5	Detected	2166	Detected	2461.8	Detected	Plekha6	1.705201912	1.5003117	2.20888291	1.9434724
A_55_P1958	401.9	Detected	771.9	Detected	504.3	Detected	685.3	Detected	Klra16	1.705150535	1.25478975	0.8878093	0.653323
A_52_P3399	33590.5	Detected	23881	Detected	53334.8	Detected	57270	Detected	Slc6a6	1.704946339	1.58779417	2.39814078	2.2333571
A_52_P2174	24096.8	Detected	26554.4	Detected	31488.4	Detected	41079	Detected	Ndufa6	1.704749178	1.30674612	1.54697527	1.1858072
A_52_P1892	534.6	Detected	703.7	Detected	720.3	Detected	911.3	Detected	Chid1	1.704638982	1.34736251	1.29501208	1.0235896
A_51_P3318	204.1	Detected	365.5	Detected	219.8	Detected	347.9	Detected	Ccdc122	1.70455659	1.07692308	0.95184679	0.601368
A_55_P2016	1527	Detected	4513.5	Detected	2522.6	Detected	2602.8	Detected	Sgcb	1.704518664	1.65199738	0.57666999	0.5589011
A_55_P1990	66.9	Detected	97.7	Detected	93.3	Detected	114	Detected	Shroom3	1.704035874	1.39461883	1.16683726	0.9549642
A_55_P2029	12.5	Not Detect	24.3	Detected	10.7	Not Detect	21.3	Not Detect	Zfp287	1.704	0.856	0.87654321	0.4403292
A_55_P2059	49.9	Detected	51.8	Detected	93.7	Detected	85	Detected	Pnkd	1.703406814	1.87775551	1.64092664	1.8088803
A_55_P1994	793.9	Detected	606.6	Detected	1122.6	Detected	1352.1	Detected	Its1	1.703111223	1.41403199	2.22898121	1.8506429
A_55_P2138	45.1	Detected	53	Detected	78.9	Detected	76.8	Detected	Gm14483	1.702882483	1.74944568	1.4490566	1.4886792
A_55_P2084	152.1	Detected	111	Detected	205.2	Detected	259	Detected	Pigp	1.702827087	1.34911243	2.33333333	1.8486486
A_52_P3373	136.6	Detected	176.8	Detected	89.9	Detected	232.6	Detected	Kcnc3	1.702781845	0.65812592	1.31561086	0.5084842
A_55_P2201	9871.9	Detected	18488.7	Detected	8766.2	Detected	16809.4	Detected	Naf1	1.702752256	0.88799522	0.90917155	0.4741383
A_55_P2043	1657.9	Detected	2814.7	Detected	1735	Detected	2822.5	Detected	Zfp617	1.702454913	1.04650461	1.00277117	0.6164067
A_51_P3690	28.9	Detected	30.6	Detected	33.7	Detected	49.2	Detected	Taf4b	1.702422145	1.16608997	1.60784314	1.1013072
A_51_P3176	2480.6	Detected	3846.3	Detected	3482.5	Detected	4222.9	Detected	Zfp764	1.702370394	1.40389422	1.09791228	0.9054156
A_51_P5027	4515.9	Detected	5491.8	Detected	7111.6	Detected	7687.2	Detected	Hdac10	1.702252043	1.57479129	1.39975964	1.2949488
A_55_P2142	460.4	Detected	473.4	Detected	454.3	Detected	783.7	Detected	4933434E20Rik	1.702215465	0.98675065	1.65547106	0.9596536
A_55_P2141	140.6	Detected	156.2	Detected	177.8	Detected	239.3	Detected	Cdhr4	1.701991465	1.26458037	1.53201024	1.1382843
A_55_P2028	17979	Detected	17003.1	Detected	22050.6	Detected	30597.4	Detected	Idi1	1.701841037	1.22646421	1.79951891	1.2968576
A_51_P4541	5350.9	Detected	4819.2	Detected	9332.4	Detected	9106.3	Detected	Manba	1.701825861	1.74408044	1.88958748	1.936504
A_51_P2910	1880.4	Detected	635.3	Detected	2238.6	Detected	3199.8	Detected	Sel1l3	1.701659221	1.19049138	5.03667559	3.5236896
A_51_P2261	1992.3	Detected	2418.2	Detected	2448.2	Detected	3389.5	Detected	Dennd6a	1.701300005	1.228831	1.40166239	1.0124059
A_52_P5197	38.5	Detected	89.6	Detected	19.7	Detected	65.5	Detected	Ltk	1.701298701	0.51168831	0.73102679	0.2198661
A_55_P2011	907.7	Detected	778.9	Detected	1071.1	Detected	1544.1	Detected	Pyroxd1	1.701112702	1.18001542	1.98241109	1.3751444
A_51_P3502	1244.5	Detected	1126.7	Detected	1325.7	Detected	2117	Detected	Amz2	1.701084773	1.06524709	1.87893849	1.176622
A_51_P4113	1193.9	Detected	2257.5	Detected	1094.4	Detected	2030.7	Detected	Taf1c	1.700896222	0.91665969	0.89953488	0.4847841
A_55_P2021	197.5	Detected	152.5	Detected	97	Detected	335.9	Detected	Zbtb4	1.700759494	0.49113924	2.20262295	0.6360656
A_55_P2145	105.8	Detected	200.5	Detected	89.1	Detected	179.9	Detected	Krt86	1.700378072	0.84215501	0.89725686	0.444389
A_55_P2069	3227.7	Detected	6494.1	Detected	3298	Detected	5487.6	Detected	Large	1.700158007	1.02178022	0.84501317	0.5078456

A_55_P2009	4756 Detected	5373.1 Detected	4710.6 Detected	8082.8 Detected	Fbxo25	1.699495374	0.99045416	1.5043085	0.8767006
A_55_P2071	70.5 Detected	85.1 Detected	106.8 Detected	119.8 Detected	Atf1	1.69929078	1.51489362	1.40775558	1.2549941
A_55_P2038	62.4 Detected	67.9 Detected	66.9 Detected	106 Detected	Gareml	1.698717949	1.07211538	1.56111929	0.9852725
A_51_P4687	4052.9 Detected	4804 Detected	6271.6 Detected	6884.5 Detected	Alkbh6	1.698660219	1.54743517	1.4330766	1.3054954
A_52_P9678	3783.3 Detected	3915.6 Detected	4525 Detected	6426.2 Detected	Wasl	1.698570031	1.19604578	1.64117887	1.1556339
A_55_P2008	310.8 Detected	583.1 Detected	689 Detected	527.9 Detected	Cideb	1.698519949	2.21685972	0.90533356	1.1816155
A_55_P2037	42.1 Detected	50.5 Detected	52.2 Detected	71.5 Detected	Bmp10	1.698337292	1.23990499	1.41584158	1.0336634
A_55_P2119	5.3 Not Detect	25.7 Detected	3.2 Not Detect	9 Not Detect	Olfr16	1.698113208	0.60377358	0.35019455	0.1245136
A_55_P2022	21220.7 Detected	23931.1 Detected	33601.5 Detected	36034.9 Detected	Pura	1.698101382	1.58343033	1.505777	1.4040934
A_52_P5705	147.8 Detected	124.9 Detected	135.2 Detected	250.9 Detected	Sdk2	1.697564276	0.91474966	2.00880705	1.082466
A_51_P3197	7878.8 Detected	12965.5 Detected	10447.1 Detected	13374.1 Detected	Mrps31	1.697479312	1.32597604	1.0315144	0.8057614
A_51_P3183	70.4 Detected	79.8 Detected	64.1 Detected	119.5 Detected	Mtrr	1.697443182	0.91051136	1.49749373	0.8032581
A_55_P2032	24.1 Detected	36.4 Detected	23.3 Detected	40.9 Not Detect	Uggt2	1.697095436	0.96680498	1.12362637	0.6401099
A_55_P2024	4398.9 Detected	6108.1 Detected	4260.8 Detected	7463.4 Detected	Trrap	1.696651436	0.96860579	1.22188569	0.6975655
A_55_P2156	964.1 Detected	1431.4 Detected	1019.7 Detected	1635.7 Detected	Pms2	1.696608236	1.05767037	1.1427274	0.7123795
A_51_P1243	274.5 Detected	283.5 Detected	269.1 Detected	465.7 Detected	Cpne5	1.696539162	0.98032787	1.64268078	0.9492063
A_51_P1546	322.9 Detected	236.4 Detected	503.9 Detected	547.8 Detected	Tbc1d24	1.696500465	1.56054506	2.31725888	2.1315567
A_66_P1270	42.8 Detected	58.5 Detected	43.8 Detected	72.6 Detected	Gdf5	1.696261682	1.02336449	1.24102564	0.7487179
A_66_P1317	47977.3 Detected	67728.1 Detected	42534.4 Detected	81381.8 Detected	Znhit1	1.696256355	0.8865526	1.20159579	0.628017
A_66_P1050	348.9 Detected	377.9 Detected	576.1 Detected	591.8 Detected	Enpp5	1.696188019	1.65118945	1.56602276	1.5244774
A_51_P4776	2575.9 Detected	2894.3 Detected	2127.3 Detected	4369.1 Detected	Mcph1	1.696145037	0.82584728	1.50955326	0.7349964
A_66_P1209	32.9 Detected	31.4 Detected	31 Detected	55.8 Detected	Htr2a	1.696048632	0.94224924	1.77707006	0.9872611
A_55_P1975	10048.6 Detected	9408 Detected	17591.8 Detected	17042.7 Detected	Cpped1	1.696027307	1.75067174	1.81151148	1.8698767
A_51_P1148	3377.3 Detected	3520 Detected	2274.1 Detected	5727.5 Detected	Cdh13	1.695881325	0.67334853	1.62713068	0.6460511
A_55_P1962	138202.1 Detected	109855 Detected	171208.1 Detected	234348 Detected	Plac8	1.695690586	1.23882416	2.13324837	1.5584916
A_55_P1986	10666.4 Detected	18272 Detected	18146.3 Detected	18086.2 Detected	Ltv1	1.695623641	1.70125816	0.98983144	0.9931206
A_55_P2056	18.7 Detected	38.3 Detected	22.7 Detected	31.7 Not Detect	Speer4f	1.695187166	1.21390374	0.82767624	0.5926893
A_55_P2098	16.4 Detected	16.5 Not Detect	26 Detected	27.8 Not Detect	Gm10252	1.695121951	1.58536585	1.68484848	1.5757576
A_51_P2017	22.6 Detected	33 Detected	29.1 Detected	38.3 Not Detect	Olfr870	1.694690265	1.28761062	1.16060606	0.8818182
A_66_P1386	483.9 Detected	445.9 Detected	519.2 Detected	819.9 Detected	Whamm	1.694358338	1.07294896	1.83875308	1.1643866
A_55_P2277	46.1 Detected	57.6 Detected	109.5 Detected	78.1 Detected	Gm10134	1.694143167	2.37527115	1.35590278	1.9010417
A_55_P2064	10267.3 Detected	12391.7 Detected	16233.9 Detected	17393.8 Detected	Ctage5	1.694096793	1.58112649	1.40366536	1.3100624
A_52_P3064	4.9 Not Detect	14.8 Detected	3.9 Not Detect	8.3 Not Detect	Igkv4-86	1.693877551	0.79591837	0.56081081	0.2635135
A_52_P1027	605.6 Detected	788.5 Detected	584.3 Detected	1025.7 Detected	Dync2h1	1.693692206	0.96482827	1.30082435	0.7410273
A_51_P1157	8.8 Not Detect	14.6 Not Detect	17.6 Detected	14.9 Not Detect	Slc5a5	1.693181818	2	1.02054795	1.2054795
A_52_P5995	117 Detected	37.7 Detected	165.2 Detected	198.1 Detected	Rragb	1.693162393	1.41196581	5.25464191	4.3819629
A_51_P2804	290.6 Detected	244.4 Detected	338.6 Detected	492 Detected	Tcta	1.693048864	1.1651755	2.01309329	1.3854337
A_66_P1086	2172.2 Detected	3806.5 Detected	4733.4 Detected	3677.3 Detected	Cideb	1.692891999	2.17908112	0.96605806	1.2435045
A_52_P5118	287.3 Detected	517.4 Detected	283.4 Detected	486.3 Detected	Wdfy1	1.692655761	0.98642534	0.93989177	0.5477387
A_55_P2085	8994.8 Detected	7073.6 Detected	15867 Detected	15224.1 Detected	BC029214	1.692544581	1.76401921	2.15224214	2.2431294

A_55_P2152	5.2 Not Detect	18.1 Detected	4.8 Not Detect	8.8 Not Detect	Lce3a	1.692307692	0.92307692	0.48618785	0.2651934
A_55_P2090	8219.4 Detected	12225.1 Detected	12137.1 Detected	13906.3 Detected	Fgfr1op2	1.691887486	1.47664063	1.13752035	0.9928017
A_55_P2392	34.4 Detected	31.3 Detected	42.3 Detected	58.2 Detected	D930001B02	1.691860465	1.22965116	1.85942492	1.3514377
A_51_P2482	158 Detected	255.2 Detected	276.9 Detected	267.3 Detected	Thoc1	1.691772152	1.75253165	1.04741379	1.0850313
A_55_P2351	129.9 Detected	189.9 Detected	178 Detected	219.7 Detected	9030203C11Rik	1.691301001	1.37028483	1.1569247	0.9373354
A_55_P1962	4995.8 Detected	6431 Detected	5874.6 Detected	8449.3 Detected	Rab8a	1.691280676	1.17590776	1.31383922	0.9134816
A_55_P2071	8564.8 Detected	10679.2 Detected	10563 Detected	14484.7 Detected	Abrac1	1.69118952	1.23330375	1.35634692	0.989119
A_52_P3658	1002 Detected	1856.2 Detected	1441.7 Detected	1694.5 Detected	Pa2g4	1.691117764	1.43882236	0.91288654	0.7766943
A_51_P5156	96.8 Detected	66.2 Detected	172.9 Detected	163.7 Detected	1700001L05Rik	1.691115702	1.78615702	2.47280967	2.6117825
A_55_P2032	35.6 Detected	38.6 Detected	67.6 Detected	60.2 Detected	E230008N13Rik	1.691011236	1.8988764	1.55958549	1.7512953
A_55_P2160	204.1 Detected	112.4 Detected	140.7 Detected	345.1 Detected	Zcchc2	1.690837825	0.68936796	3.0702847	1.2517794
A_51_P5213	1591.2 Detected	2360.6 Detected	2415.8 Detected	2690.4 Detected	Nudt13	1.690799397	1.51822524	1.13971024	1.0233839
A_55_P2192	130.2 Detected	165.5 Detected	126.8 Detected	220.1 Detected	B930095G15Rik	1.69047619	0.97388633	1.32990937	0.7661631
A_55_P2075	1325.5 Detected	1602.5 Detected	2028.5 Detected	2240.7 Detected	BC051226	1.690456432	1.5303659	1.39825273	1.2658346
A_55_P2052	2887.3 Detected	2979.9 Detected	3737.4 Detected	4880.5 Detected	Dguok	1.69033353	1.29442732	1.63780664	1.2542032
A_55_P2037	2548 Detected	3255 Detected	2937.9 Detected	4305.3 Detected	Pld3	1.689678179	1.15302198	1.32267281	0.9025806
A_52_P4739	2132.1 Detected	3699.8 Detected	1089.8 Detected	3602.4 Detected	Kdelr3	1.689601801	0.51113925	0.97367425	0.2945565
A_55_P2359	1930.8 Detected	1777 Detected	1771.5 Detected	3261.7 Detected	Dnajb14	1.689299772	0.91749534	1.83550929	0.9969049
A_51_P1164	57947.4 Detected	87532.7 Detected	70462.5 Detected	97884.1 Detected	Lsm4	1.689188816	1.21597345	1.11825752	0.8049849
A_55_P2148	16.4 Detected	13 Not Detect	18.4 Not Detect	27.7 Not Detect	Ptma	1.68902439	1.12195122	2.13076923	1.4153846
A_51_P1897	1084.9 Detected	1280.4 Detected	846.2 Detected	1832.4 Detected	Cabin1	1.689003595	0.77997972	1.43111528	0.6608872
A_51_P1466	2949 Detected	3120.8 Detected	4556.1 Detected	4979.8 Detected	Ptgr2	1.688640217	1.54496439	1.59568059	1.4599141
A_52_P5658	19.9 Detected	22.5 Detected	17.6 Not Detect	33.6 Not Detect	AU018091	1.688442211	0.88442211	1.49333333	0.7822222
A_52_P2621	233.3 Detected	274.1 Detected	344.1 Detected	393.9 Detected	Numb	1.688384055	1.47492499	1.43706676	1.2553812
A_55_P2098	4132.3 Detected	5003.7 Detected	5477.2 Detected	6976.9 Detected	Taf13	1.688381773	1.3254604	1.39434818	1.09463
A_55_P2040	15818.1 Detected	18146.5 Detected	24071.3 Detected	26705 Detected	Bola3	1.688255859	1.52175672	1.47163365	1.3264982
A_55_P1982	38.8 Detected	52.4 Detected	69 Detected	65.5 Detected	1700012L04Rik	1.68814433	1.77835052	1.25	1.3167939
A_55_P2053	1543.5 Detected	2717.7 Detected	1969.4 Detected	2605.5 Detected	Tnfaip3	1.688046647	1.27593132	0.95871509	0.7246569
A_55_P1975	14.1 Detected	23.6 Detected	9.3 Not Detect	23.8 Not Detect	Syt3	1.687943262	0.65957447	1.00847458	0.3940678
A_52_P4841	2283.6 Detected	4402.2 Detected	1942 Detected	3853.7 Detected	Urb2	1.687554738	0.85041163	0.87540321	0.4411431
A_65_P1371	92.7 Detected	102.4 Detected	67.5 Detected	156.4 Detected	Ank3	1.687162891	0.72815534	1.52734375	0.6591797
A_52_P5412	688.7 Detected	562.2 Detected	1273.6 Detected	1161.7 Detected	Crebl2	1.68680122	1.84928125	2.0663465	2.265386
A_66_P1011	46.5 Detected	63.6 Detected	79.2 Detected	78.4 Detected	Hist1h2bp	1.686021505	1.70322581	1.2327044	1.245283
A_51_P4218	7188.8 Detected	5868.3 Detected	9623.3 Detected	12119.4 Detected	Ech1	1.685872468	1.33865179	2.06523184	1.6398787
A_52_P1831	3044.6 Detected	2962.6 Detected	4076.5 Detected	5132.8 Detected	Adar	1.685870065	1.33892794	1.73253224	1.3759873
A_51_P2455	2006.2 Detected	2148.8 Detected	1832.2 Detected	3381.8 Detected	Synrg	1.685674409	0.91326887	1.57380864	0.852662
A_51_P2888	190.8 Detected	81.4 Detected	291.1 Detected	321.6 Detected	Tmem45a	1.685534591	1.52568134	3.95085995	3.5761671
A_55_P2062	12.4 Not Detect	15.3 Not Detect	16.9 Detected	20.9 Not Detect	Dpysl5	1.685483871	1.36290323	1.36601307	1.1045752
A_55_P1983	30.2 Detected	56.8 Detected	34.1 Detected	50.9 Not Detect	Insrr	1.685430464	1.12913907	0.89612676	0.6003521
A_55_P2080	106.7 Detected	153.3 Detected	155.7 Detected	179.8 Detected	Dph3	1.685098407	1.45923149	1.17286367	1.0156556

A_55_P2066	294.9	Detected	313.8	Detected	375.8	Detected	496.9	Detected	Dffa	1.684977959	1.27433028	1.58349267	1.1975781
A_65_P0515	215.5	Detected	59.5	Detected	4.4	Not Detect	363.1	Detected	Flrt2	1.684918794	0.02041763	6.10252101	0.0739496
A_55_P1980	2911.3	Detected	2886.7	Detected	4115.2	Detected	4905.3	Detected	Acad11	1.684917391	1.4135266	1.69927599	1.4255725
A_52_P6333	11875.3	Detected	20557	Detected	12923.6	Detected	20008.5	Detected	Prosc	1.68488375	1.08827566	0.97331809	0.6286715
A_55_P1998	988.5	Detected	1327.4	Detected	1499.7	Detected	1665	Detected	Chchd3	1.684370258	1.51714719	1.25433178	1.1298026
A_55_P2076	2334.5	Detected	2659.1	Detected	2973.4	Detected	3931.4	Detected	Vps25	1.684043692	1.27367745	1.47847016	1.1181979
A_55_P2130	14780.1	Detected	18701.7	Detected	26394.6	Detected	24890.3	Detected	Dcaf11	1.68404138	1.78582012	1.33091109	1.4113476
A_55_P2000	474.3	Detected	625.2	Detected	761.9	Detected	798.6	Detected	Sreb2	1.683744466	1.60636728	1.27735125	1.21865
A_55_P2147	14890	Detected	16039.2	Detected	16562.8	Detected	25068.5	Detected	A430005L14Rik	1.683579584	1.11234385	1.56295202	1.032645
A_55_P2183	166.3	Detected	186.2	Detected	137.1	Detected	279.9	Detected	Pds5b	1.683102826	0.82441371	1.50322234	0.736305
A_55_P2215	42.6	Detected	28.5	Detected	49.7	Detected	71.7	Detected	4930515115	1.683098592	1.16666667	2.51578947	1.7438596
A_55_P2130	1442.7	Detected	2044.9	Detected	1882.9	Detected	2427.8	Detected	Ncoa1	1.68281694	1.30512234	1.18724632	0.9207785
A_51_P2454	330.9	Detected	588	Detected	284.2	Detected	556.8	Detected	Ppp3cc	1.68268359	0.85886975	0.94693878	0.4833333
A_55_P1991	13649.3	Detected	16547.8	Detected	21681.6	Detected	22964.6	Detected	D10Jhu81e	1.682474559	1.58847706	1.3877736	1.3102406
A_51_P1252	47340	Detected	70006.7	Detected	74152.7	Detected	79645	Detected	Acaa2	1.682403887	1.56638572	1.13767682	1.0592229
A_55_P2007	1553.5	Detected	2381.6	Detected	2292.6	Detected	2613.6	Detected	Nt5dc1	1.682394593	1.4757644	1.0974135	0.9626302
A_66_P1097	46.9	Detected	56.9	Detected	36.6	Detected	78.9	Detected	A430033K04Rik	1.682302772	0.7803838	1.38664323	0.6432337
A_52_P1039	21.4	Detected	10.9	Not Detect	21.1	Detected	36	Not Detect	Htr1b	1.682242991	0.98598131	3.30275229	1.9357798
A_55_P1953	194.1	Detected	244	Detected	193.7	Detected	326.5	Detected	Rab13	1.682122617	0.99793921	1.33811475	0.7938525
A_51_P4531	11212.4	Detected	15115.3	Detected	11560.8	Detected	18855.8	Detected	Carkd	1.681691698	1.03107274	1.24746449	0.7648409
A_51_P2093	34889.2	Detected	53088	Detected	48037.7	Detected	58667.9	Detected	Sc4mol	1.681549018	1.37686447	1.10510662	0.9048693
A_51_P5116	315.5	Detected	339	Detected	502.6	Detected	530.5	Detected	Ttc38	1.681458003	1.59302694	1.56489676	1.4825959
A_55_P1960	68.7	Detected	118.1	Detected	72.4	Detected	115.5	Detected	Gm11710	1.681222707	1.05385735	0.97798476	0.6130398
A_55_P1976	2941.7	Detected	4167.2	Detected	3814.5	Detected	4945.4	Detected	Isca2	1.681136758	1.29669919	1.1867441	0.9153628
A_51_P3425	6598.9	Detected	8326.8	Detected	6419.6	Detected	11093.5	Detected	Rnf166	1.681113519	0.9728288	1.3322645	0.7709564
A_52_P2289	207.7	Detected	334.5	Detected	328.3	Detected	349.1	Detected	Shprh	1.6807896	1.58064516	1.04364723	0.9814649
A_55_P2049	80.1	Detected	81	Detected	138.1	Detected	134.6	Detected	Gm10629	1.680399501	1.72409488	1.6617284	1.7049383
A_52_P5337	2323.9	Detected	2563.5	Detected	2744	Detected	3904.6	Detected	Ankrd40	1.680192779	1.1807737	1.52315194	1.0704115
A_55_P2058	877.3	Detected	1046.1	Detected	984.4	Detected	1473.9	Detected	Slc35d1	1.680041035	1.12207911	1.40894752	0.941019
A_55_P1999	49.3	Detected	80.1	Detected	67.2	Detected	82.8	Detected	Gm14499	1.679513185	1.36308316	1.03370787	0.8389513
A_55_P2211	184.4	Detected	143.5	Detected	153.3	Detected	309.7	Detected	6720474J12Rik	1.679501085	0.8313449	2.15818815	1.0682927
A_55_P2088	6297.2	Detected	6549.9	Detected	9339.9	Detected	10575.2	Detected	Deb1	1.679349552	1.483183	1.614559	1.4259607
A_52_P4812	280.5	Detected	366.8	Detected	781.2	Detected	471	Detected	Drc1	1.679144385	2.78502674	1.28407852	2.129771
A_51_P2939	100.9	Detected	99.6	Detected	131.4	Detected	169.4	Detected	Senp6	1.67888999	1.30227948	1.70080321	1.3192771
A_51_P4279	25.2	Detected	35.2	Detected	31.5	Detected	42.3	Not Detect	Il31ra	1.678571429	1.25	1.20170455	0.8948864
A_55_P2290	450.2	Detected	358.9	Detected	353.7	Detected	755.6	Detected	2310076G05Rik	1.678365171	0.78565082	2.10532182	0.9855113
A_55_P2363	57.8	Detected	62.6	Detected	56.5	Detected	97	Detected	1700007J24Rik	1.678200692	0.97750865	1.54952077	0.9025559
A_55_P1955	78.3	Detected	133.8	Detected	158.2	Detected	131.4	Detected	Bbs1	1.67816092	2.02043423	0.98206278	1.1823617
A_55_P2174	246.1	Detected	311.3	Detected	52.8	Detected	412.9	Detected	Vldlr	1.677773263	0.21454693	1.32637327	0.1696113
A_55_P2278	12.4	Not Detect	22.8	Detected	15.4	Not Detect	20.8	Not Detect	AI480461	1.677419355	1.24193548	0.9122807	0.6754386

A_55_P2039	75.8	Detected	91.3	Detected	66.9	Detected	127.1	Detected	Rprd2	1.676781003	0.88258575	1.39211391	0.7327492
A_55_P2153	228.6	Detected	267.7	Detected	150.6	Detected	383.3	Detected	Zfp655	1.676727909	0.65879265	1.43182667	0.56257
A_55_P2151	334.8	Detected	273.4	Detected	450.3	Detected	561.2	Detected	Ccdc50	1.676224612	1.34498208	2.05267008	1.6470373
A_51_P4725	1596.1	Detected	1464.9	Detected	1903	Detected	2675.4	Detected	Capn1	1.676210764	1.19228119	1.82633627	1.2990648
A_55_P2132	6645.1	Detected	8296.3	Detected	8371.3	Detected	11138.1	Detected	Gmppa	1.676137304	1.25977036	1.34253824	1.0090402
A_55_P2049	39.5	Detected	49.3	Detected	21.2	Detected	66.2	Detected	Phtf2	1.675949367	0.53670886	1.34279919	0.4300203
A_55_P2116	46.9	Detected	44.8	Detected	48	Detected	78.6	Detected	Zfp219	1.675906183	1.02345416	1.75446429	1.0714286
A_51_P4895	146.4	Detected	94	Detected	697.5	Detected	245.3	Detected	Ctla2b	1.675546448	4.76434426	2.60957447	7.4202128
A_55_P2184	10805.9	Detected	16283.1	Detected	11163.5	Detected	18105.6	Detected	Zfp330	1.675529109	1.03309303	1.11192586	0.6855881
A_51_P4573	5610	Detected	6580	Detected	7458.9	Detected	9399	Detected	Hmgn5	1.67540107	1.32957219	1.42841945	1.1335714
A_55_P2032	6587.1	Detected	6412.8	Detected	9795.3	Detected	11035.1	Detected	Gm10767	1.675259219	1.48704286	1.72079279	1.5274607
A_55_P2083	183.5	Detected	225.7	Detected	216.2	Detected	307.3	Detected	Lpin1	1.674659401	1.17820163	1.36154187	0.9579087
A_52_P4070	63.9	Detected	80.3	Detected	77.3	Detected	107	Detected	Rab5b	1.674491393	1.20970266	1.33250311	0.9626401
A_55_P2026	11103.6	Detected	14024	Detected	17454.4	Detected	18590.5	Detected	Cdkn1b	1.674276811	1.57195864	1.32562037	1.2446092
A_55_P2253	710.3	Detected	885.7	Detected	720.7	Detected	1189.2	Detected	1700025L06Rik	1.67422216	1.0146417	1.34266682	0.8137067
A_55_P1984	4845.7	Detected	3302.2	Detected	5492.3	Detected	8112	Detected	Cpne2	1.674061539	1.13343789	2.45654412	1.6632245
A_51_P2898	4357.8	Detected	4838.6	Detected	7325.6	Detected	7294.8	Detected	Txndc12	1.673963927	1.68103171	1.50762617	1.5139917
A_55_P2350	29.4	Detected	36.4	Detected	36.4	Detected	49.2	Not Detect	A530072M11Rik	1.673469388	1.23809524	1.35164835	1
A_55_P2045	136.5	Detected	186.4	Detected	135.2	Detected	228.4	Detected	Eps15l1	1.673260073	0.99047619	1.22532189	0.7253219
A_55_P2376	15.6	Not Detect	7.5	Not Detect	23.7	Detected	26.1	Not Detect	A230057D06Rik	1.673076923	1.51923077	3.48	3.16
A_55_P1966	58.7	Detected	50.3	Detected	72	Detected	98.2	Detected	Ren1	1.672913118	1.22657581	1.95228628	1.4314115
A_51_P2323	1808.9	Detected	1525.6	Detected	6453.4	Detected	3025.9	Detected	Acy3	1.672784565	3.56758251	1.98341636	4.2300734
A_55_P2079	5.5	Not Detect	24.7	Detected	4.7	Not Detect	9.2	Not Detect	4930524N10Rik	1.672727273	0.85454545	0.37246964	0.1902834
A_51_P2193	2070.4	Detected	3082.6	Detected	2228.7	Detected	3462.8	Detected	Ddx28	1.672527048	1.07645866	1.12333744	0.7229936
A_55_P2389	214.4	Detected	151.6	Detected	188.4	Detected	358.5	Detected	D130061D10Rik	1.672108209	0.87873134	2.36477573	1.2427441
A_66_P1381	37442.2	Detected	45236.7	Detected	52947.7	Detected	62607	Detected	Pnp	1.672097259	1.41411829	1.3839869	1.1704589
A_51_P3499	25	Detected	16.9	Detected	18.3	Detected	41.8	Not Detect	Gc	1.672	0.732	2.47337278	1.0828402
A_51_P3889	735.9	Detected	690.7	Detected	1153.4	Detected	1230.4	Detected	Zhx1	1.6719663	1.56733252	1.78138121	1.6699001
A_55_P2127	26.2	Detected	32.2	Detected	20.8	Detected	43.8	Not Detect	Smcr8	1.671755725	0.79389313	1.36024845	0.6459627
A_55_P2113	81.2	Detected	87.3	Detected	100.5	Detected	135.7	Detected	Whsc1	1.671182266	1.23768473	1.55441008	1.1512027
A_55_P1961	12998	Detected	15664.3	Detected	26627.1	Detected	21719	Detected	Atg4d	1.670949377	2.04855362	1.3865286	1.6998589
A_55_P1963	32.5	Detected	49	Detected	32.4	Detected	54.3	Detected	Guca1b	1.670769231	0.99692308	1.10816327	0.6612245
A_55_P2129	135	Detected	165.4	Detected	154	Detected	225.5	Detected	Gm3807	1.67037037	1.14074074	1.36336155	0.9310762
A_55_P2040	452	Detected	457.6	Detected	627.9	Detected	755	Detected	Guf1	1.670353982	1.38915929	1.64991259	1.3721591
A_55_P2001	664.1	Detected	732.1	Detected	533.5	Detected	1109.2	Detected	Stx18	1.670230387	0.80334287	1.51509357	0.7287256
A_55_P2045	61.4	Detected	80	Detected	89.3	Detected	102.5	Detected	Stmn4	1.669381107	1.45439739	1.28125	1.11625
A_51_P1142	345.1	Detected	433.7	Detected	356.8	Detected	576.1	Detected	Ccdc57	1.669371197	1.03390322	1.32833756	0.8226885
A_66_P1027	74.1	Detected	56.9	Detected	146.3	Detected	123.7	Detected	2700012120Rik	1.669365722	1.97435897	2.17398946	2.5711775
A_55_P2295	39	Detected	55.7	Detected	56.9	Detected	65.1	Detected	Elmo3	1.669230769	1.45897436	1.16876122	1.021544
A_66_P1187	148.1	Detected	147.4	Detected	235.9	Detected	247.2	Detected	Swsap1	1.669142471	1.59284267	1.6770692	1.6004071

A_52_P3306	1673.8	Detected	2157.5	Detected	1770.2	Detected	2793.7	Detected	Tle1	1.669076353	1.0575935	1.29487833	0.8204867
A_55_P2174	1578.7	Detected	1380.2	Detected	3815.5	Detected	2634.8	Detected	Plekha7	1.668968138	2.41686198	1.9089987	2.7644544
A_52_P3562	32.6	Detected	23.9	Detected	49.2	Detected	54.4	Detected	Slc38a9	1.668711656	1.50920245	2.27615063	2.0585774
A_52_P1142	131.8	Detected	220.1	Detected	436.2	Detected	219.9	Detected	C1rb	1.668437026	3.30955994	0.99909132	1.9818264
A_55_P2047	10276.1	Detected	15226.9	Detected	9704.9	Detected	17144.1	Detected	Tspan7	1.668346941	0.94441471	1.12590875	0.6373523
A_51_P2891	19.9	Detected	25.4	Detected	19	Not Detect	33.2	Not Detect	Hrh3	1.668341709	0.95477387	1.30708661	0.7480315
A_51_P4165	20.5	Detected	13.6	Not Detect	19.4	Detected	34.2	Not Detect	Ctsg	1.668292683	0.94634146	2.51470588	1.4264706
A_51_P2406	15342.4	Detected	10487.5	Detected	14384.2	Detected	25587	Detected	Tecpr1	1.667731255	0.93754563	2.43976162	1.3715566
A_66_P1263	5081.3	Detected	4645.9	Detected	6003.9	Detected	8473.7	Detected	BC030870	1.667624427	1.18156771	1.82390925	1.2923007
A_65_P0164	35115.2	Detected	37304.7	Detected	32791.3	Detected	58549.5	Detected	Rnf6	1.667354878	0.93382068	1.56949392	0.8790126
A_51_P4677	5277	Detected	5114.2	Detected	5812.8	Detected	8798.4	Detected	Hgsnat	1.667310972	1.10153496	1.72038638	1.1366001
A_55_P2099	8785.4	Detected	8539.5	Detected	13763.9	Detected	14647.7	Detected	Msantd4	1.667277529	1.56667881	1.71528778	1.6117923
A_51_P2059	2528.1	Detected	2865.3	Detected	4144.1	Detected	4214.2	Detected	Snx15	1.666943554	1.63921522	1.47077095	1.4463058
A_55_P2030	3315.6	Detected	4080.1	Detected	652.6	Detected	5526.6	Detected	Vldlr	1.666847629	0.19682712	1.35452562	0.1599471
A_51_P2309	3007.2	Detected	375.6	Detected	3071	Detected	5012.2	Detected	Pi4k2b	1.666733174	1.02121575	13.3445154	8.1762513
A_51_P3904	11.7	Not Detect	16.4	Not Detect	26.7	Detected	19.5	Not Detect	Hyal3	1.666666667	2.28205128	1.18902439	1.6280488
A_55_P2179	15668	Detected	20321.9	Detected	22798	Detected	26109.2	Detected	Mrpl23	1.666402859	1.45506765	1.28478144	1.1218439
A_55_P1988	106.4	Detected	165.3	Detected	101.5	Detected	177.3	Detected	Nek1	1.666353383	0.95394737	1.07259528	0.6140351
A_51_P2545	6297.2	Detected	6589.8	Detected	9566.9	Detected	10492.1	Detected	Foxred1	1.666153211	1.51923077	1.59217275	1.451774
A_55_P2171	1135.9	Detected	1007	Detected	2154.4	Detected	1892.4	Detected	Tm7sf2	1.665991725	1.89664583	1.87924528	2.139424
A_51_P3486	7745	Detected	14144.8	Detected	8557.2	Detected	12903	Detected	2310045N01Rik	1.66597805	1.10486766	0.91220802	0.6049714
A_52_P3197	121.5	Detected	92.3	Detected	79.2	Detected	202.4	Detected	Cdc14a	1.665843621	0.65185185	2.1928494	0.8580715
A_51_P1993	40.1	Detected	28.5	Detected	25.3	Detected	66.8	Detected	Tet3	1.665835411	0.63092269	2.34385965	0.8877193
A_55_P1961	26.3	Detected	43.4	Detected	44.9	Detected	43.8	Not Detect	4930429B21Rik	1.66539924	1.70722433	1.00921659	1.0345622
A_55_P2015	288.1	Detected	293.4	Detected	245.2	Detected	479.8	Detected	Yipf6	1.66539396	0.85109337	1.63531016	0.8357192
A_55_P2056	1232	Detected	1147.8	Detected	1340.1	Detected	2051.7	Detected	Hfe	1.665340909	1.08774351	1.78750653	1.1675379
A_51_P3843	1501	Detected	2813.3	Detected	5253.3	Detected	2499.4	Detected	C1ra	1.665156562	3.49986676	0.88842285	1.8673089
A_51_P2984	2920	Detected	3731	Detected	2956.2	Detected	4862.1	Detected	Cog6	1.66510274	1.01239726	1.30316269	0.7923345
A_55_P2097	12822.3	Detected	13392.4	Detected	16948.9	Detected	21350.4	Detected	Sgsm3	1.665099085	1.32182994	1.59421762	1.2655611
A_51_P2689	2136.4	Detected	2236.4	Detected	2952	Detected	3556.5	Detected	Mon1a	1.664716345	1.38176371	1.59027902	1.3199785
A_51_P3518	98.4	Detected	127.3	Detected	123.1	Detected	163.8	Detected	C1qb	1.664634146	1.25101626	1.28672427	0.9670071
A_51_P2810	2943.7	Detected	2678.4	Detected	3053.1	Detected	4899.6	Detected	Rad9a	1.664435914	1.03716411	1.82930108	1.139897
A_51_P2321	9596	Detected	14323.6	Detected	11994.8	Detected	15971.6	Detected	Thumpd3	1.664401834	1.24997916	1.11505487	0.8374152
A_51_P2230	602.6	Detected	939.5	Detected	930.3	Detected	1002.8	Detected	Fbxo30	1.664122137	1.54381016	1.06737626	0.9902076
A_51_P4871	125	Detected	129.3	Detected	129.9	Detected	208	Detected	Megf11	1.664	1.0392	1.60866203	1.0046404
A_52_P1397	2474.5	Detected	3406.7	Detected	3612.9	Detected	4117.3	Detected	Mdp1	1.663891695	1.46005254	1.20858896	1.0605278
A_52_P5805	97.4	Detected	114	Detected	71.8	Detected	162	Detected	Spata33	1.663244353	0.73716632	1.42105263	0.6298246
A_51_P4335	243.9	Detected	299.8	Detected	340.4	Detected	405.6	Detected	Bcas3	1.66297663	1.39565396	1.35290193	1.1354236
A_55_P2208	100.5	Detected	81.5	Detected	61.4	Detected	167.1	Detected	B230334C09Rik	1.662686567	0.61094527	2.05030675	0.7533742
A_55_P2056	138.4	Detected	167.9	Detected	175	Detected	230.1	Detected	Pdlim5	1.662572254	1.26445087	1.37045861	1.0422871

A_55_P1985	180.7 Detected	192.5 Detected	252.1 Detected	300.4 Detected	Xylt1	1.662423907	1.39513005	1.56051948	1.3096104
A_55_P2113	15.4 Detected	11.1 Not Detect	3.2 Not Detect	25.6 Not Detect	Raph1	1.662337662	0.20779221	2.30630631	0.2882883
A_55_P2072	106.6 Detected	98.4 Detected	107.8 Detected	177.2 Detected	Pcdhb12	1.662288931	1.01125704	1.80081301	1.0955285
A_55_P2185	188 Detected	237.2 Detected	514.7 Detected	312.5 Detected	Nrg4	1.662234043	2.73776596	1.31745363	2.1698988
A_55_P1975	32970.2 Detected	56885.8 Detected	36744.4 Detected	54789.8 Detected	Nutf2	1.661797623	1.11447307	0.96315425	0.6459327
A_55_P2174	3292 Detected	3753.9 Detected	3689.4 Detected	5470.4 Detected	Rab8a	1.661725395	1.12071689	1.45725779	0.9828179
A_55_P1959	1896.8 Detected	2121.9 Detected	3134.7 Detected	3151.5 Detected	Ccdc77	1.661482497	1.65262547	1.48522551	1.4773081
A_51_P3439	365.6 Detected	404.2 Detected	422.7 Detected	607.4 Detected	Parp4	1.661378556	1.15618162	1.50272143	1.0457694
A_55_P1966	2050.6 Detected	3162.5 Detected	1757.7 Detected	3406.8 Detected	Rnaseh2a	1.661367405	0.85716376	1.07724901	0.5557945
A_55_P2032	6.2 Not Detect	3.7 Not Detect	88.8 Detected	10.3 Not Detect	Tox	1.661290323	14.3225806	2.78378378	24
A_52_P5842	1595.4 Detected	2094.8 Detected	1903.2 Detected	2650.2 Detected	Atrnl1	1.661150809	1.19292967	1.26513271	0.9085354
A_52_P2532	28.6 Detected	26.3 Detected	33.2 Detected	47.5 Not Detect	BC030307	1.660839161	1.16083916	1.80608365	1.2623574
A_55_P2035	754.6 Detected	934.6 Detected	901.3 Detected	1253.2 Detected	Mical3	1.660747416	1.19440763	1.3408945	0.9643698
A_51_P3451	168.1 Detected	204.7 Detected	213 Detected	279.1 Detected	Bbs2	1.660321237	1.26710291	1.36345872	1.0405471
A_66_P1128	6517.1 Detected	6611.3 Detected	4716.3 Detected	10819 Detected	Gm17821	1.660094214	0.72368078	1.63644064	0.7133695
A_55_P2044	96.2 Detected	217.6 Detected	99.5 Detected	159.7 Detected	Hsf4	1.66008316	1.03430353	0.73391544	0.457261
A_55_P2000	13949.1 Detected	19944.2 Detected	21620.6 Detected	23152.3 Detected	Slc50a1	1.659770164	1.5499638	1.16085378	1.0840545
A_55_P2135	409.1 Detected	425.2 Detected	371.4 Detected	679 Detected	BC024978	1.659740895	0.90784649	1.59689558	0.8734713
A_55_P2019	18.5 Detected	10.3 Not Detect	7.9 Not Detect	30.7 Not Detect	1700061G19Rik	1.659459459	0.42702703	2.98058252	0.7669903
A_55_P2177	17132.4 Detected	22651 Detected	26746.1 Detected	28425 Detected	Hist1h2bm	1.659137074	1.56114146	1.25491148	1.1807911
A_55_P2016	301.8 Detected	321.6 Detected	299.4 Detected	500.7 Detected	Srcrb4d	1.659045726	0.99204771	1.55690299	0.9309701
A_51_P3279	1930.5 Detected	2384.9 Detected	2378.4 Detected	3202.3 Detected	Yipf1	1.658793059	1.23201243	1.34273974	0.9972745
A_55_P2032	27513.3 Detected	18927 Detected	35395.7 Detected	45636.2 Detected	Hmgcs1	1.658695976	1.28649417	2.41116923	1.8701168
A_55_P2210	48171 Detected	60364.1 Detected	46300.6 Detected	79900.8 Detected	A830073O21Rik	1.658690914	0.96117166	1.32364766	0.7670221
A_55_P2010	759.2 Detected	1031.6 Detected	463.9 Detected	1259.2 Detected	Sec16b	1.658587987	0.61103793	1.22062815	0.4496898
A_51_P4800	84.3 Detected	84.4 Detected	83.2 Detected	139.8 Detected	Chad	1.658362989	0.98695136	1.6563981	0.985782
A_55_P2316	58.5 Detected	60.7 Detected	70.4 Detected	97 Detected	9430063H18Rik	1.658119658	1.2034188	1.59802306	1.1598023
A_55_P1982	68.4 Detected	103.6 Detected	75.7 Detected	113.4 Detected	Clca6	1.657894737	1.10672515	1.09459459	0.730695
A_52_P5519	1238.7 Detected	1404.3 Detected	1930.1 Detected	2053.3 Detected	Slc33a1	1.657624929	1.55816582	1.46215196	1.3744214
A_51_P4563	1129.6 Detected	1456.6 Detected	1281.2 Detected	1872.2 Detected	Pard6a	1.65740085	1.1342068	1.28532198	0.8795826
A_51_P3657	88 Detected	102.9 Detected	126.7 Detected	145.8 Detected	Slc35g3	1.656818182	1.43977273	1.41690962	1.2312925
A_55_P1975	2813.6 Detected	2228.1 Detected	2998.1 Detected	4661.5 Detected	Srd5a3	1.656774239	1.06557435	2.09214129	1.3455859
A_51_P1166	2212.4 Detected	2423.3 Detected	1583.6 Detected	3665 Detected	LOC101056094	1.656572048	0.71578376	1.51240045	0.653489
A_51_P1555	1322.8 Detected	1201.4 Detected	1876 Detected	2191.2 Detected	Alg3	1.656486241	1.41820381	1.82387215	1.5615116
A_51_P4623	31.7 Detected	27.9 Detected	34.3 Detected	52.5 Detected	G6pc	1.65615142	1.08201893	1.88172043	1.2293907
A_55_P2031	11632.7 Detected	17909.5 Detected	13223.2 Detected	19264.8 Detected	Dhps	1.65609016	1.13672664	1.07567492	0.7383344
A_52_P3239	24.4 Detected	28.6 Detected	22.7 Detected	40.4 Not Detect	Grk4	1.655737705	0.93032787	1.41258741	0.7937063
A_55_P2329	27.3 Detected	30.3 Detected	32.5 Detected	45.2 Not Detect	Catsperd	1.655677656	1.19047619	1.49174917	1.0726073
A_55_P2195	47.3 Detected	48.4 Detected	61.3 Detected	78.3 Detected	1700066D14Rik	1.655391121	1.29598309	1.6177686	1.2665289
A_55_P1963	460.1 Detected	463.4 Detected	746.3 Detected	761.6 Detected	Klhdc7b	1.655292328	1.62203869	1.64350453	1.6104877

A_51_P4707	1154.3	Detected	473.9	Detected	922.9	Detected	1910.7	Detected	Cish	1.65528892	0.79953218	4.03186326	1.9474573
A_51_P3321	1895.1	Detected	2638.6	Detected	2669.5	Detected	3136.3	Detected	Zmat5	1.654952245	1.40863279	1.18862275	1.0117108
A_55_P1986	1260.6	Detected	1935.6	Detected	1605.7	Detected	2086.2	Detected	Gcdh	1.654926226	1.27375853	1.07780533	0.8295619
A_55_P2228	28.1	Detected	39.7	Detected	26.2	Detected	46.5	Not Detect	5730422E09Rik	1.65480427	0.93238434	1.17128463	0.6599496
A_51_P4996	13.9	Detected	10.4	Not Detect	13.6	Not Detect	23	Not Detect	Asprv1	1.654676259	0.97841727	2.21153846	1.3076923
A_55_P2107	198.8	Detected	212	Detected	167.3	Detected	328.9	Detected	Slc22a13b-ps	1.654426559	0.8415493	1.55141509	0.7891509
A_55_P2143	3341.9	Detected	9032.4	Detected	3762.9	Detected	5527.9	Detected	Fstl3	1.654118914	1.12597624	0.61200788	0.4166002
A_55_P2193	49.1	Detected	61.7	Detected	83.1	Detected	81.2	Detected	9530062K07Rik	1.653767821	1.69246436	1.31604538	1.3468395
A_66_P1189	51.4	Detected	54.1	Detected	72.6	Detected	85	Detected	Adora2b	1.653696498	1.41245136	1.57116451	1.3419593
A_51_P1353	388.3	Detected	458.7	Detected	329	Detected	642.1	Detected	Sike1	1.653618336	0.84728303	1.39982559	0.7172444
A_55_P2005	3310	Detected	3437.7	Detected	3266.8	Detected	5473.1	Detected	Lhx6	1.653504532	0.98694864	1.59208192	0.9502865
A_55_P2069	20.2	Detected	13.6	Not Detect	24.1	Detected	33.4	Not Detect	9930013L23Rik	1.653465347	1.19306931	2.45588235	1.7720588
A_55_P2063	756	Detected	1287.6	Detected	1203.4	Detected	1250	Detected	Dph3	1.653439153	1.59179894	0.97079838	0.934607
A_55_P2152	369.2	Detected	477.4	Detected	444.9	Detected	610.4	Detected	Plekha5	1.653304442	1.20503792	1.27859238	0.9319229
A_55_P2325	33.4	Detected	51.3	Detected	49.1	Detected	55.2	Detected	BB085087	1.652694611	1.47005988	1.07602339	0.957115
A_55_P2401	1756.8	Detected	2720.9	Detected	2112.6	Detected	2903.3	Detected	C030046G05	1.652607013	1.20252732	1.06703664	0.7764343
A_51_P1644	11106.8	Detected	16052.3	Detected	10284.7	Detected	18354.9	Detected	Dda1	1.652582202	0.92598228	1.14344362	0.6406995
A_55_P2403	60.7	Detected	62.6	Detected	67.4	Detected	100.3	Detected	D230014I24Rik	1.652388797	1.11037891	1.60223642	1.0766773
A_55_P2361	77	Detected	58.4	Detected	139.1	Detected	127.2	Detected	4831440E17Rik	1.651948052	1.80649351	2.17808219	2.3818493
A_55_P2052	56.6	Detected	64.9	Detected	49.9	Detected	93.5	Detected	Hyal6	1.651943463	0.88162544	1.44067797	0.7688752
A_55_P2114	329.8	Detected	376.3	Detected	467.8	Detected	544.8	Detected	Hyls1	1.651910249	1.41843542	1.44778103	1.2431571
A_55_P2017	161.6	Detected	149.5	Detected	68.4	Detected	266.9	Detected	3110007F17Rik	1.651608911	0.42326733	1.78528428	0.4575251
A_55_P2171	30611.1	Detected	22592.4	Detected	43880	Detected	50556	Detected	Me1	1.651557768	1.43346694	2.23774367	1.9422461
A_55_P1989	530.2	Detected	729.6	Detected	267.7	Detected	875.6	Detected	Cklf	1.651452282	0.50490381	1.20010965	0.3669134
A_52_P1823	86.6	Detected	127	Detected	133.6	Detected	143	Detected	4930556M19Rik	1.651270208	1.54272517	1.12598425	1.0519685
A_52_P4471	200.7	Detected	249.3	Detected	223.8	Detected	331.4	Detected	Col4a6	1.651220727	1.11509716	1.3293221	0.8977136
A_55_P2320	3219	Detected	3312.1	Detected	3230.4	Detected	5314.4	Detected	C030007I01Rik	1.650947499	1.00354147	1.60454093	0.9753329
A_55_P2037	12949.1	Detected	13895.8	Detected	16755.7	Detected	21378.1	Detected	Klhdc10	1.650933269	1.29396638	1.53845766	1.2058104
A_51_P2483	1845.4	Detected	2082.3	Detected	2176.6	Detected	3046.4	Detected	Zdhhc4	1.650807413	1.17947328	1.46299765	1.0452865
A_55_P2352	12.3	Not Detect	16.2	Detected	15.1	Not Detect	20.3	Not Detect	Hsp90aa1	1.650406504	1.22764228	1.25308642	0.9320988
A_55_P2168	2138.1	Detected	2433.7	Detected	3186.5	Detected	3527.4	Detected	Glod4	1.649782517	1.49034189	1.44939804	1.3093233
A_55_P1975	45.9	Detected	38.2	Detected	29.4	Detected	75.7	Detected	Gm10745	1.649237473	0.64052288	1.98167539	0.7696335
A_52_P6181	3926.5	Detected	3549.5	Detected	4504.7	Detected	6475.6	Detected	Mrs2	1.649204126	1.14725583	1.82436963	1.2691083
A_55_P2127	7609.1	Detected	9035.1	Detected	9219	Detected	12548.9	Detected	Abrac1	1.649196357	1.21157561	1.38890549	1.020354
A_55_P2166	44.7	Detected	46.4	Detected	35	Detected	73.7	Detected	Vmn1r63	1.648769575	0.78299776	1.58836207	0.7543103
A_52_P3574	39	Detected	35.8	Detected	54.8	Detected	64.3	Detected	Fgd4	1.648717949	1.40512821	1.79608939	1.5307263
A_52_P5099	622.8	Detected	696	Detected	592.6	Detected	1026.8	Detected	Ift172	1.648683365	0.95150931	1.47528736	0.8514368
A_51_P4330	16050	Detected	17026	Detected	16002.9	Detected	26460.7	Detected	Purb	1.648641745	0.99706542	1.55413485	0.9399096
A_55_P2141	519.9	Detected	532.4	Detected	694.8	Detected	857.1	Detected	1810058I24Rik	1.648586267	1.33641085	1.60987979	1.3050338
A_55_P2146	9113.2	Detected	11412.3	Detected	10566.2	Detected	15020.7	Detected	Cox20	1.648235526	1.15943906	1.31618517	0.9258607

A_51_P1897	679.1	Detected	552.3	Detected	908	Detected	1119.3	Detected	2810007J24Rik	1.648210867	1.33706376	2.02661597	1.644034
A_55_P1976	23.3	Detected	42.1	Detected	32	Detected	38.4	Not Detect	Gm3871	1.64806867	1.37339056	0.91211401	0.760095
A_52_P5445	16747.4	Detected	24956.5	Detected	18890.7	Detected	27594	Detected	Hsbp1	1.647658741	1.12797807	1.10568389	0.7569451
A_52_P1519	7023.3	Detected	8775.2	Detected	6696.4	Detected	11564.2	Detected	Dcun1d2	1.646547919	0.95345493	1.31782751	0.7631051
A_55_P2083	2505.2	Detected	2190.4	Detected	2540.5	Detected	4124.8	Detected	Catsperd	1.64649529	1.01409069	1.88312637	1.1598338
A_55_P1985	192.3	Detected	302.5	Detected	168.9	Detected	316.6	Detected	Pard3	1.646385855	0.87831513	1.04661157	0.5583471
A_55_P1981	16.4	Detected	14.9	Not Detect	19.1	Detected	27	Not Detect	Tnfrsf13b	1.646341463	1.16463415	1.81208054	1.2818792
A_55_P2013	14.7	Detected	16.9	Detected	16.8	Detected	24.2	Not Detect	Sult5a1	1.646258503	1.14285714	1.43195266	0.9940828
A_52_P2664	327.6	Detected	454.1	Detected	284.4	Detected	539.3	Detected	Ing2	1.646214896	0.86813187	1.18762387	0.6262938
A_51_P4346	4146.6	Detected	7518.2	Detected	5391.4	Detected	6826	Detected	Ube2e2	1.646167945	1.30019775	0.90793009	0.7171131
A_55_P2060	269.3	Detected	301.4	Detected	226.9	Detected	443.3	Detected	Whsc1l1	1.646119569	0.84255477	1.47080292	0.7528202
A_52_P4805	2187	Detected	2791.7	Detected	1983.6	Detected	3600	Detected	Tnpo2	1.646090535	0.90699588	1.28953684	0.7105348
A_51_P3368	116.4	Detected	12425.8	Detected	22.3	Detected	191.6	Detected	Fabp4	1.64604811	0.19158076	0.01541953	0.0017947
A_55_P2111	19.2	Detected	24.8	Detected	288.8	Detected	31.6	Not Detect	Ttyh1	1.645833333	15.0416667	1.27419355	11.645161
A_55_P2184	14.4	Detected	9.3	Not Detect	20	Detected	23.7	Not Detect	Etohd2	1.645833333	1.38888889	2.5483871	2.1505376
A_55_P2079	1760.8	Detected	2915.2	Detected	2107.8	Detected	2897.8	Detected	Pan2	1.645729214	1.19706951	0.99403128	0.7230379
A_55_P2073	535.7	Detected	454.3	Detected	890.6	Detected	881.6	Detected	Tfdp2	1.645697219	1.66249767	1.94056791	1.9603786
A_55_P2073	3184.5	Detected	2931.3	Detected	4138.6	Detected	5240.1	Detected	Lin37	1.645501649	1.29960747	1.78763688	1.411865
A_51_P1179	12229.1	Detected	11087.9	Detected	21059.1	Detected	20122.5	Detected	Pfkm	1.645460418	1.72204823	1.81481615	1.8992866
A_55_P2227	12.4	Not Detect	20.1	Detected	18.1	Not Detect	20.4	Not Detect	Ptpro	1.64516129	1.45967742	1.01492537	0.9004975
A_55_P1966	506	Detected	572.6	Detected	520.7	Detected	832.3	Detected	Iqcc	1.64486166	1.02905138	1.45354523	0.9093608
A_55_P1982	49636.7	Detected	44020.6	Detected	67339.9	Detected	81641.6	Detected	Cib1	1.644782993	1.35665546	1.85462261	1.5297361
A_51_P4477	30.1	Detected	14.6	Not Detect	70.2	Detected	49.5	Not Detect	Cyp2c55	1.644518272	2.33222591	3.39041096	4.8082192
A_55_P2095	54	Detected	38.9	Detected	42.1	Detected	88.8	Detected	Gnrh1	1.644444444	0.77962963	2.28277635	1.0822622
A_55_P2056	1102.1	Detected	1736.1	Detected	1276.6	Detected	1812.2	Detected	Rpl21	1.644315398	1.15833409	1.04383388	0.7353263
A_51_P3587	389.2	Detected	372.3	Detected	126.3	Detected	639.9	Detected	Lancl3	1.644141829	0.32451182	1.71877518	0.3392425
A_66_P1124	28.1	Detected	27	Detected	27.9	Detected	46.2	Not Detect	Scn4b	1.644128114	0.99288256	1.71111111	1.0333333
A_51_P2426	392.5	Detected	505.2	Detected	532.8	Detected	645.3	Detected	E430018J23Rik	1.644076433	1.35745223	1.27731591	1.0546318
A_51_P1723	712.5	Detected	728.8	Detected	647.5	Detected	1171.3	Detected	Foxn3	1.643929825	0.90877193	1.60716246	0.8884468
A_51_P3137	13855.9	Detected	18781.2	Detected	19941.4	Detected	22774.3	Detected	Shmt2	1.643653606	1.43919919	1.21261155	1.0617745
A_55_P2014	2610.2	Detected	4271.3	Detected	3450.8	Detected	4290	Detected	Zfp961	1.643552218	1.32204429	1.00437806	0.8079039
A_52_P4521	541.1	Detected	573.5	Detected	792.7	Detected	889.3	Detected	Grpel2	1.643503973	1.46497875	1.55065388	1.3822145
A_55_P2170	197.3	Detected	165.1	Detected	157	Detected	324.2	Detected	Yipf6	1.64318297	0.79574252	1.96365839	0.9509388
A_51_P2584	794	Detected	3296.9	Detected	892.7	Detected	1304.6	Detected	Hey1	1.643073048	1.1243073	0.39570506	0.2707695
A_51_P1739	1424.2	Detected	1659	Detected	1737.3	Detected	2340	Detected	Mto1	1.643027665	1.21984272	1.41048825	1.0471971
A_55_P2048	696.3	Detected	906.3	Detected	963.8	Detected	1143.9	Detected	Aasdhppt	1.642826368	1.38417349	1.26216485	1.0634448
A_65_P0217	45.9	Detected	58.7	Detected	66.3	Detected	75.4	Detected	C2cd5	1.642701525	1.44444444	1.28449744	1.1294719
A_51_P1998	2730.1	Detected	3495.9	Detected	2625.3	Detected	4484.3	Detected	Fto	1.642540566	0.96161313	1.2827312	0.7509654
A_55_P1994	17.9	Detected	16.1	Not Detect	26	Detected	29.4	Not Detect	Ccdc154	1.642458101	1.45251397	1.82608696	1.6149068
A_55_P2189	31.6	Detected	43.6	Detected	34.2	Detected	51.9	Detected	4933417C20Rik	1.642405063	1.08227848	1.19036697	0.7844037

A_66_P1174	17.3 Detected	35.5 Detected	36.2 Detected	28.4 Not Detect	Gm14317	1.641618497	2.09248555	0.8	1.0197183
A_55_P2083	448.8 Detected	246.5 Detected	787 Detected	736.7 Detected	Hs3st1	1.641488414	1.75356506	2.98864097	3.1926978
A_55_P2052	1629.9 Detected	1980.5 Detected	1922.6 Detected	2675.4 Detected	Sox21	1.641450396	1.17958157	1.35087099	0.970765
A_51_P3921	5439.2 Detected	7020.2 Detected	6804.4 Detected	8928 Detected	Xab2	1.641417856	1.25099279	1.27175864	0.9692601
A_55_P1967	1205.3 Detected	698.1 Detected	2989.6 Detected	1978.4 Detected	Tmem151a	1.641417075	2.48037833	2.83397794	4.282481
A_55_P1984	2044.7 Detected	1671.1 Detected	2700 Detected	3356.2 Detected	Kmt2c	1.641414388	1.32048711	2.00837772	1.6157022
A_55_P2034	12120.4 Detected	9532.4 Detected	11812.4 Detected	19892.9 Detected	Tjp1	1.641274215	0.9745883	2.08687214	1.2391843
A_52_P3710	137.7 Detected	160.4 Detected	133.9 Detected	226 Detected	Iqcc	1.641249092	0.97240378	1.40897756	0.834788
A_55_P2086	23627.5 Detected	21351.8 Detected	35132.9 Detected	38777.8 Detected	Oasl1	1.641214686	1.48694953	1.81613728	1.6454304
A_55_P1955	28.7 Detected	88.5 Detected	20.9 Detected	47.1 Not Detect	Myo1b	1.641114983	0.728223	0.53220339	0.2361582
A_55_P2150	503 Detected	326.9 Detected	407.3 Detected	825.4 Detected	Eomes	1.640954274	0.80974155	2.52493117	1.2459468
A_55_P2038	8034.1 Detected	8143.6 Detected	11177.2 Detected	13180.5 Detected	Rexo2	1.640569572	1.39121993	1.61851024	1.3725134
A_51_P1385	5864.4 Detected	6768.3 Detected	5364.2 Detected	9620.8 Detected	Eif1b	1.640542937	0.91470568	1.42144999	0.7925476
A_51_P4695	950.9 Detected	1423.2 Detected	970 Detected	1559.5 Detected	Asna1	1.640025239	1.02008623	1.0957701	0.6815627
A_51_P2985	32107 Detected	49644.8 Detected	31866.1 Detected	52653.7 Detected	Prmt7	1.63994456	0.99249696	1.06060856	0.6418819
A_52_P2397	1683.4 Detected	2300 Detected	2330.3 Detected	2760.6 Detected	Ccdc25	1.63989545	1.38428181	1.20026087	1.0131739
A_51_P2121	4061.6 Detected	4645.8 Detected	5169.8 Detected	6658.4 Detected	Tmem261	1.639353949	1.27284814	1.43320849	1.11279
A_65_P2016	728.1 Detected	835.7 Detected	852.8 Detected	1193.6 Detected	Hyou1	1.639335256	1.17126768	1.42826373	1.0204619
A_55_P2124	46.3 Detected	39.7 Detected	121.9 Detected	75.9 Detected	Gxylt2	1.639308855	2.63282937	1.91183879	3.070529
A_65_P0060	611.9 Detected	619.9 Detected	781.9 Detected	1003 Detected	Stat6	1.639156725	1.27782317	1.6180029	1.2613325
A_55_P2031	79.8 Detected	69.1 Detected	55.8 Detected	130.8 Detected	Sun1	1.639097744	0.69924812	1.89290883	0.8075253
A_51_P4891	5361.9 Detected	4258.3 Detected	12568.8 Detected	8788.5 Detected	Crot	1.639064511	2.34409444	2.06385177	2.9516004
A_51_P1246	119.4 Detected	152.6 Detected	133.5 Detected	195.7 Detected	Anapc15	1.639028476	1.11809045	1.28243775	0.8748362
A_51_P1286	3387.8 Detected	3534.4 Detected	2327.8 Detected	5552.4 Detected	Lynx1	1.638939725	0.68711258	1.57095971	0.6586125
A_66_P1022	21.6 Detected	16.9 Not Detect	8.9 Not Detect	35.4 Not Detect	Gm648	1.638888889	0.41203704	2.09467456	0.5266272
A_55_P2040	26.3 Detected	36.4 Detected	48.4 Detected	43.1 Not Detect	Lrba	1.63878327	1.84030418	1.18406593	1.3296703
A_51_P2703	2719.1 Detected	4343.7 Detected	2733 Detected	4455.8 Detected	Mmaa	1.638703983	1.00511199	1.02580749	0.6291871
A_51_P2957	11694.9 Detected	13344.6 Detected	9212.2 Detected	19163.8 Detected	Ints1	1.638645905	0.78771088	1.43607152	0.6903317
A_51_P2888	4402.9 Detected	6336.2 Detected	6591.6 Detected	7213.9 Detected	Slc52a2	1.638442844	1.49710418	1.13852151	1.0403081
A_55_P2175	92.1 Detected	87.7 Detected	6.2 Not Detect	150.9 Detected	Zfp467	1.638436482	0.06731813	1.72063854	0.0706956
A_55_P1972	14.1 Not Detect	14 Not Detect	21.1 Detected	23.1 Not Detect	Unkl	1.638297872	1.4964539	1.65	1.5071429
A_55_P2408	416.1 Detected	392.6 Detected	324.4 Detected	681.6 Detected	Rbm33	1.638067772	0.77962028	1.73611819	0.8262863
A_51_P1530	1103.3 Detected	1870 Detected	951.3 Detected	1807.2 Detected	Map2k3os	1.637995106	0.86223149	0.96641711	0.5087166
A_55_P2096	1770.1 Detected	1338.9 Detected	3372.3 Detected	2898.8 Detected	Ccbl1	1.637647591	1.9051466	2.16506087	2.5187094
A_52_P2015	943 Detected	986.2 Detected	891.4 Detected	1544.3 Detected	Nav1	1.637645811	0.94528102	1.56590955	0.9038735
A_55_P2025	29018.2 Detected	29946.3 Detected	32689.1 Detected	47521.3 Detected	Adam9	1.637637758	1.12650337	1.58688386	1.0915906
A_55_P2008	217.4 Detected	377.4 Detected	233.6 Detected	356 Detected	Tcp10c	1.637534499	1.07451702	0.94329624	0.6189719
A_55_P1992	1117.5 Detected	2736.5 Detected	1384.9 Detected	1829.9 Detected	Socs2	1.637494407	1.23928412	0.6687009	0.5060844
A_55_P2135	3729.4 Detected	4261.1 Detected	6223 Detected	6106.6 Detected	Fanci1	1.637421569	1.66863302	1.43310413	1.460421
A_55_P2216	86.3 Detected	81.5 Detected	75.8 Detected	141.3 Detected	9630055L06Rik	1.637311703	0.8783314	1.73374233	0.9300613

A_66_P1159	3738.8	Detected	2979.2	Detected	7180.9	Detected	6121.3	Detected	Ccbl1	1.637236546	1.92064299	2.05467911	2.4103451
A_51_P4313	53.2	Detected	55.7	Detected	45.5	Detected	87.1	Detected	Nup214	1.637218045	0.85526316	1.56373429	0.8168761
A_55_P2102	490.5	Detected	526.1	Detected	405.1	Detected	802.8	Detected	Daam1	1.636697248	0.82589195	1.52594564	0.7700057
A_55_P1997	44	Detected	493	Detected	8.2	Not Detect	72	Detected	Nat8l	1.636363636	0.18636364	0.14604462	0.0166329
A_51_P2752	9.9	Not Detect	20.4	Detected	12.7	Not Detect	16.2	Not Detect	4933421107Rik	1.636363636	1.28282828	0.79411765	0.622549
A_55_P2086	1210.1	Detected	1975.7	Detected	1886.6	Detected	1980.1	Detected	1700030K09Rik	1.636311049	1.55904471	1.00222706	0.9549021
A_55_P2029	41.5	Detected	9.9	Not Detect	102.9	Detected	67.9	Detected	C730027H18Rik	1.636144578	2.47951807	6.85858586	10.393939
A_55_P2184	3068.9	Detected	2934.4	Detected	3657.4	Detected	5020.7	Detected	Tmc6	1.635993353	1.19176252	1.7109801	1.2463877
A_55_P2279	1735.6	Detected	1823.8	Detected	1535.4	Detected	2838.8	Detected	9030419F21Rik	1.63563033	0.88465084	1.55653032	0.8418686
A_51_P1649	1594.9	Detected	1650.9	Detected	1864.4	Detected	2608.5	Detected	Tmem150a	1.635525738	1.16897611	1.58004725	1.1293234
A_51_P2106	648.2	Detected	789.9	Detected	846.5	Detected	1060.1	Detected	Cyp4f13	1.635452021	1.3059241	1.34206862	1.0716546
A_55_P1992	1271.8	Detected	3230.5	Detected	1445.7	Detected	2079.8	Detected	Socs2	1.635320019	1.13673534	0.64380127	0.4475159
A_55_P2032	15092.3	Detected	19681.4	Detected	21462.7	Detected	24678.9	Detected	Mrpl23	1.635198081	1.42209604	1.25391994	1.0905068
A_52_P8190	805	Detected	1003.2	Detected	680.4	Detected	1316.2	Detected	Cbl	1.635031056	0.84521739	1.31200159	0.6782297
A_52_P2124	762.1	Detected	1284.2	Detected	1015	Detected	1246	Detected	Trmt13	1.634956043	1.33184621	0.97025385	0.7903753
A_55_P2048	5369.4	Detected	6366.1	Detected	4494.4	Detected	8775.7	Detected	Cdk10	1.63439118	0.83703952	1.37850489	0.7059895
A_52_P4367	4432.9	Detected	3649.3	Detected	5038.7	Detected	7243.9	Detected	Gltp	1.634122132	1.13665997	1.98501082	1.3807306
A_52_P5499	3998.6	Detected	4636.6	Detected	5601.6	Detected	6534	Detected	Fam32a	1.634071925	1.40089031	1.40922227	1.2081266
A_52_P6340	1204	Detected	2613.4	Detected	1551.9	Detected	1967.2	Detected	Jag1	1.633887043	1.28895349	0.7527359	0.5938241
A_55_P2031	43.7	Detected	33.8	Detected	43.4	Detected	71.4	Detected	Aqp4	1.633867277	0.99313501	2.11242604	1.2840237
A_55_P2057	342.2	Detected	517.3	Detected	614.5	Detected	559.1	Detected	Slmo1	1.63383986	1.79573349	1.08080418	1.1878987
A_52_P5138	928.4	Detected	1472.8	Detected	967.5	Detected	1516.8	Detected	Fubp1	1.633778544	1.04211547	1.02987507	0.656912
A_55_P2082	52.7	Detected	49.7	Detected	66.7	Detected	86.1	Detected	Kidins220	1.633776091	1.26565465	1.73239437	1.3420523
A_55_P2228	122.8	Detected	309.3	Detected	117.5	Detected	200.6	Detected	5730422E09Rik	1.633550489	0.95684039	0.64856127	0.3798901
A_51_P2020	9788.4	Detected	11578.5	Detected	14408.6	Detected	15989	Detected	Wls	1.6334641	1.47200768	1.38092154	1.2444272
A_55_P1982	2543.3	Detected	2748.5	Detected	2443.1	Detected	4154.2	Detected	Slc8a3	1.633389691	0.96060237	1.51144261	0.8888848
A_55_P2103	6	Not Detect	10.4	Not Detect	17.5	Detected	9.8	Not Detect	Pou3f2	1.633333333	2.91666667	0.94230769	1.6826923
A_55_P1957	8642.1	Detected	10199.9	Detected	10828.5	Detected	14114.4	Detected	Pus7	1.633214149	1.25299406	1.38377827	1.0616281
A_51_P4440	3799.7	Detected	4294.2	Detected	4145	Detected	6205.6	Detected	Scp2	1.633181567	1.0908756	1.44511201	0.9652555
A_55_P1962	231.4	Detected	350.3	Detected	1157.3	Detected	377.7	Detected	Hba-a2	1.632238548	5.00129646	1.07821867	3.3037397
A_55_P2352	309.9	Detected	316.3	Detected	363.2	Detected	505.8	Detected	Mon2	1.6321394	1.17199096	1.59911476	1.148277
A_55_P2376	265.8	Detected	258.4	Detected	239.1	Detected	433.8	Detected	4930432F04Rik	1.632054176	0.89954853	1.67879257	0.9253096
A_55_P1997	12082.9	Detected	13775.2	Detected	18143.4	Detected	19718.6	Detected	Cox16	1.631942663	1.50157661	1.43145653	1.3171061
A_55_P2156	1382.7	Detected	1907.8	Detected	1615.6	Detected	2256.3	Detected	Plekha2	1.631807333	1.16843856	1.18267114	0.8468393
A_55_P2011	506.9	Detected	762	Detected	431.6	Detected	827.1	Detected	Junb	1.631682778	0.85144999	1.08543307	0.5664042
A_55_P2035	11.4	Not Detect	23	Detected	19.1	Detected	18.6	Not Detect	Kif9	1.631578947	1.6754386	0.80869565	0.8304348
A_55_P2105	5.7	Not Detect	39.1	Detected	3.3	Not Detect	9.3	Not Detect	Trpa1	1.631578947	0.57894737	0.23785166	0.084399
A_52_P4971	1384.6	Detected	1622.5	Detected	1109.5	Detected	2259	Detected	Prrg1	1.631518128	0.80131446	1.39229584	0.6838213
A_52_P4248	4260	Detected	7955.1	Detected	4802.7	Detected	6949.8	Detected	Txn14b	1.631408451	1.12739437	0.87362824	0.6037259
A_55_P2096	73391.8	Detected	84972.8	Detected	100707.5	Detected	119729.8	Detected	Myl6	1.631378437	1.37219008	1.40903677	1.1851734

A_55_P2156	61.3 Detected	62.3 Detected	126.1 Detected	100 Detected	Sytl3	1.63132137	2.05709625	1.60513644	2.024077
A_51_P4937	1705 Detected	1249.5 Detected	1624 Detected	2781.1 Detected	Cep350	1.631143695	0.95249267	2.22577031	1.2997199
A_52_P1210	10327 Detected	11489.1 Detected	15023.8 Detected	16843.8 Detected	2610001J05Rik	1.631044834	1.45480779	1.46606784	1.3076568
A_51_P1996	1736.3 Detected	1853.5 Detected	1499.8 Detected	2831.7 Detected	Sfswap	1.63088176	0.86379082	1.5277583	0.8091718
A_52_P3836	517.5 Detected	455.4 Detected	1088.8 Detected	843.9 Detected	Cpne8	1.630724638	2.10396135	1.85309618	2.3908652
A_55_P1993	26091.3 Detected	32330 Detected	23645.2 Detected	42546.5 Detected	Taf6	1.630677659	0.90624844	1.3160068	0.7313702
A_52_P4680	8640.9 Detected	9971.2 Detected	9070.8 Detected	14089.7 Detected	Alkbh5	1.630582462	1.04975176	1.41303955	0.9096999
A_55_P1964	1060.5 Detected	1303.5 Detected	1419.7 Detected	1729 Detected	Mlf2	1.630363036	1.33870816	1.32642885	1.0891446
A_51_P3566	258801 Detected	288813.4 Detected	358742 Detected	421928.7 Detected	Krt19	1.63032098	1.3861693	1.46090417	1.2421238
A_51_P4381	1656 Detected	1871.5 Detected	1816.4 Detected	2699.3 Detected	Mapre2	1.630012077	1.0968599	1.442319	0.9705584
A_65_P0232	122.1 Detected	158.4 Detected	126.2 Detected	199 Detected	Sec22b	1.62981163	1.03357903	1.25631313	0.7967172
A_66_P1027	10.8 Not Detect	16.7 Detected	18 Detected	17.6 Not Detect	Bsph1	1.62962963	1.66666667	1.05389222	1.0778443
A_55_P2086	5.4 Not Detect	41.8 Detected	3.2 Not Detect	8.8 Not Detect	Krt85	1.62962963	0.59259259	0.21052632	0.076555
A_51_P4790	36707.4 Detected	44487.1 Detected	43035.1 Detected	59819 Detected	Tars	1.629616916	1.17238214	1.34463698	0.9673613
A_52_P3820	40.2 Detected	66.8 Detected	29.5 Detected	65.5 Detected	Zfhx2	1.629353234	0.73383085	0.98053892	0.4416168
A_51_P4052	159.4 Detected	168.9 Detected	283.7 Detected	259.7 Detected	Nradd	1.62923463	1.77979925	1.53759621	1.6796921
A_55_P2175	142.4 Detected	131.3 Detected	117.9 Detected	232 Detected	Prdm10	1.629213483	0.82794944	1.76694593	0.8979436
A_55_P2034	2300.5 Detected	1881.7 Detected	2033.6 Detected	3747.9 Detected	Nmi	1.629167572	0.88398174	1.99176277	1.0807249
A_52_P2974	36.4 Detected	54.8 Detected	26.5 Detected	59.3 Detected	5033411D12Rik	1.629120879	0.72802198	1.08211679	0.4835766
A_51_P2736	109.2 Detected	167.5 Detected	224 Detected	177.9 Detected	Itpka	1.629120879	2.05128205	1.06208955	1.3373134
A_55_P2424	378 Detected	297.2 Detected	366.1 Detected	615.8 Detected	Atg9a	1.629100529	0.96851852	2.07200538	1.2318304
A_55_P2084	67.1 Detected	88.2 Detected	59.8 Detected	109.3 Detected	Aptx	1.628912072	0.89120715	1.23922902	0.6780045
A_55_P2123	554.3 Detected	901.2 Detected	707.3 Detected	902.9 Detected	Cog2	1.628901317	1.27602381	1.00188637	0.7848424
A_55_P2022	19973.5 Detected	14288.9 Detected	26297 Detected	32531.4 Detected	1700021K19Rik	1.628728065	1.31659449	2.2766903	1.8403796
A_55_P2133	2547.6 Detected	2716.2 Detected	3054.7 Detected	4149 Detected	Etfa	1.628591616	1.19905009	1.52750166	1.1246226
A_51_P4278	405.1 Detected	436.1 Detected	424.1 Detected	659.7 Detected	Tmem108	1.628486793	1.046902	1.51272644	0.9724834
A_55_P2212	263.9 Detected	306.9 Detected	223.9 Detected	429.7 Detected	Utrn	1.628268283	0.84842743	1.40013034	0.7295536
A_55_P2096	53254.5 Detected	70753.4 Detected	75928.9 Detected	86710.7 Detected	Hax1	1.628232356	1.42577435	1.22553404	1.0731484
A_52_P3450	107.3 Detected	170.2 Detected	134.3 Detected	174.7 Detected	Wdr25	1.628145387	1.25163094	1.02643948	0.7890717
A_55_P2094	2124.6 Detected	2233.2 Detected	2688.5 Detected	3458.3 Detected	Sox13	1.627741693	1.26541467	1.54858499	1.2038778
A_55_P2136	4908.3 Detected	5386.2 Detected	5711.1 Detected	7989.4 Detected	Ppp1r15a	1.627732616	1.16355968	1.4833092	1.0603208
A_52_P5205	1236.1 Detected	1148.9 Detected	1387.7 Detected	2012 Detected	Wasl	1.627700024	1.1226438	1.75124032	1.207851
A_52_P5125	1167 Detected	1147.8 Detected	896.8 Detected	1899.3 Detected	Atg16l2	1.627506427	0.76846615	1.65473079	0.7813208
A_55_P1962	8894.1 Detected	12281.1 Detected	11775 Detected	14472.9 Detected	Max	1.627247276	1.32391136	1.17846936	0.9587903
A_51_P2622	1410.3 Detected	2014.4 Detected	2752.7 Detected	2294.8 Detected	Ggact	1.627171524	1.95185422	1.13919778	1.3665111
A_52_P8692	1681.7 Detected	2746.2 Detected	1884.3 Detected	2736.4 Detected	Cog2	1.62716299	1.12047333	0.99643143	0.6861481
A_55_P2023	1842.5 Detected	2109.2 Detected	2817.7 Detected	2997.7 Detected	Ccdc77	1.62697422	1.52928087	1.42124976	1.3359093
A_55_P2092	292.6 Detected	305.8 Detected	437.8 Detected	476 Detected	Gm4132	1.626794258	1.4962406	1.55657292	1.4316547
A_52_P1744	356.7 Detected	867.9 Detected	286.7 Detected	580.2 Detected	Galc	1.626576955	0.80375666	0.6685102	0.3303376
A_55_P2114	3686.9 Detected	4329.3 Detected	4128.8 Detected	5996.5 Detected	Gdap2	1.626434132	1.11985679	1.3850969	0.9536877

A_52_P6709	3008.5	Detected	1979.7	Detected	2164.8	Detected	4892.7	Detected	Nkain1	1.626292172	0.71956124	2.47143507	1.093499
A_51_P4024	1166.9	Detected	1267	Detected	1488.6	Detected	1897.7	Detected	Anxa7	1.626274745	1.27568772	1.49779006	1.1749013
A_55_P1984	10.7	Not Detect	10.9	Not Detect	17.9	Detected	17.4	Not Detect	Rhox2h	1.626168224	1.6728972	1.59633028	1.6422018
A_52_P4302	7401.4	Detected	9628.1	Detected	4792.7	Detected	12035.8	Detected	Heatr2	1.626151809	0.64753965	1.25007011	0.4977825
A_52_P3209	1426.7	Detected	1807.8	Detected	1699.4	Detected	2319.2	Detected	Mt3	1.625569496	1.19114039	1.28288527	0.9400376
A_55_P2068	2199.3	Detected	1536.4	Detected	3935.2	Detected	3574.9	Detected	Cryz11	1.625471741	1.78929659	2.32680292	2.5613122
A_52_P5391	5741.1	Detected	7115.8	Detected	10130.9	Detected	9330.5	Detected	Rdh11	1.625211196	1.76462699	1.31123697	1.423719
A_55_P2157	422.7	Detected	466.8	Detected	468.6	Detected	686.9	Detected	Gm3625	1.625029572	1.10858765	1.47150814	1.003856
A_55_P2175	155.2	Detected	122.2	Detected	186.8	Detected	252.2	Detected	Rbbp6	1.625	1.20360825	2.06382979	1.5286416
A_55_P1970	109.6	Detected	95.2	Detected	163.1	Detected	178.1	Detected	Rdh8	1.625	1.48813869	1.87079832	1.7132353
A_55_P2041	38.4	Detected	47	Detected	43.7	Detected	62.4	Detected	Eya4	1.625	1.13802083	1.32765957	0.9297872
A_55_P2162	15.2	Detected	46.9	Detected	14.3	Not Detect	24.7	Not Detect	Cnksr2	1.625	0.94078947	0.52665245	0.3049041
A_51_P1316	666	Detected	1038.7	Detected	740.1	Detected	1081.9	Detected	Tsacc	1.624474474	1.11126126	1.04159045	0.7125253
A_51_P1457	1526.4	Detected	1007.9	Detected	1262.7	Detected	2479.4	Detected	Rnf113a2	1.624344864	0.82724057	2.45996627	1.2528029
A_55_P2127	233.7	Detected	328.8	Detected	194.7	Detected	379.6	Detected	Amigo1	1.624304664	0.83311938	1.15450122	0.5921533
A_51_P1899	1481.7	Detected	1384.4	Detected	1705.2	Detected	2406.6	Detected	Oxsr1	1.624215428	1.15084025	1.73837041	1.2317249
A_51_P3375	523.1	Detected	608.1	Detected	741.4	Detected	849.6	Detected	2410131K14Rik	1.62416364	1.41731982	1.39713863	1.2192074
A_52_P1980	418	Detected	478.1	Detected	842.7	Detected	678.9	Detected	Fuz	1.624162679	2.01602871	1.41999582	1.762602
A_55_P2076	905.6	Detected	969.9	Detected	1195.9	Detected	1470.8	Detected	Zfp661	1.624116608	1.32056095	1.51644499	1.2330137
A_51_P4622	31.9	Detected	48.6	Detected	32.2	Detected	51.8	Detected	Acan	1.623824451	1.00940439	1.06584362	0.6625514
A_55_P2134	48.9	Detected	63.6	Detected	71.2	Detected	79.4	Detected	Gm5132	1.623721881	1.45603272	1.24842767	1.1194969
A_55_P2076	24.7	Detected	50.4	Detected	18.8	Detected	40.1	Not Detect	Lnx1	1.623481781	0.7611336	0.79563492	0.3730159
A_55_P1986	28.4	Detected	47.6	Detected	28.8	Detected	46.1	Detected	Tbc1d32	1.623239437	1.01408451	0.96848739	0.605042
A_55_P1958	287.7	Detected	404.4	Detected	338	Detected	467	Detected	Zdhhc17	1.623218631	1.1748349	1.15479723	0.8358061
A_55_P2126	140.9	Detected	147	Detected	182.7	Detected	228.7	Detected	Srl	1.623136977	1.2966643	1.55578231	1.2428571
A_51_P1439	10768.3	Detected	9174.9	Detected	16570.7	Detected	17477.9	Detected	Rnf181	1.623088138	1.53884086	1.90496899	1.8060905
A_52_P9161	751.5	Detected	776	Detected	907.8	Detected	1219.7	Detected	Lysmd3	1.623020625	1.20798403	1.57177835	1.1698454
A_55_P2066	280.3	Detected	287	Detected	315.3	Detected	454.9	Detected	Limk2	1.622904031	1.12486621	1.58501742	1.0986063
A_52_P5374	2903.6	Detected	4170.8	Detected	2814.6	Detected	4712	Detected	Zfp330	1.62281306	0.9693484	1.12975928	0.6748346
A_66_P1014	1247.1	Detected	1505.8	Detected	1945.9	Detected	2023.7	Detected	Fbxl3	1.622724721	1.56033999	1.34393678	1.2922699
A_55_P1963	3343.6	Detected	4121.8	Detected	5430.2	Detected	5425.6	Detected	Mtmr14	1.622682139	1.6240579	1.31631811	1.3174341
A_52_P3605	51.4	Detected	49.2	Detected	11.6	Not Detect	83.4	Detected	Celsr2	1.622568093	0.22568093	1.69512195	0.2357724
A_55_P2081	60.4	Detected	39.5	Detected	20.2	Detected	98	Detected	Tex38	1.622516556	0.33443709	2.48101266	0.5113924
A_55_P2065	36	Detected	55.2	Detected	37.6	Detected	58.4	Detected	Snx29	1.622222222	1.04444444	1.05797101	0.6811594
A_55_P1988	8422.9	Detected	8061.5	Detected	7428.3	Detected	13663.6	Detected	Slc17a5	1.622196631	0.88191715	1.6949203	0.9214538
A_55_P2160	366.3	Detected	526.5	Detected	273.8	Detected	594.2	Detected	Wrn	1.622167622	0.74747475	1.128585	0.520038
A_55_P2032	1397.6	Detected	1042.8	Detected	1207	Detected	2267.1	Detected	Dnase111	1.622137951	0.86362335	2.17405063	1.1574607
A_55_P2057	91	Detected	130.7	Detected	91.9	Detected	147.6	Detected	Gm6566	1.621978022	1.00989011	1.12930375	0.703137
A_55_P2462	11671.1	Detected	13184.1	Detected	17979.1	Detected	18929.8	Detected	Fam118b	1.621937949	1.54048033	1.43580525	1.3636957
A_52_P6622	55	Detected	80.6	Detected	81.4	Detected	89.2	Detected	Rab33a	1.621818182	1.48	1.10669975	1.0099256

A_51_P2979	187.2 Detected	187.3 Detected	186.8 Detected	303.6 Detected	Zc3h12a	1.621794872	0.99786325	1.62092899	0.9973305
A_51_P1391	32.5 Detected	26.8 Detected	17.9 Detected	52.7 Detected	Fank1	1.621538462	0.55076923	1.96641791	0.6679104
A_55_P2010	654.2 Detected	686.8 Detected	548.9 Detected	1060.8 Detected	Zfp113	1.62152247	0.83904005	1.54455446	0.7992137
A_55_P2108	30061.7 Detected	33832.1 Detected	37638.8 Detected	48744.3 Detected	Arcn1	1.621475166	1.25205161	1.44077075	1.1125174
A_55_P2179	6473.4 Detected	6545.6 Detected	6583 Detected	10494 Detected	Man1a2	1.62109556	1.01693082	1.60321437	1.0057138
A_55_P1995	9065.5 Detected	11274 Detected	8669.8 Detected	14695.3 Detected	Lonp2	1.621013733	0.956351	1.30346816	0.7690083
A_55_P1994	3106.1 Detected	3861 Detected	4219.8 Detected	5034.8 Detected	Ccdc174	1.620939442	1.35855253	1.3040145	1.0929293
A_51_P3599	3226 Detected	2614.5 Detected	3105.1 Detected	5229.1 Detected	Arhgap17	1.620923745	0.96252325	2.00003825	1.1876458
A_55_P1999	7423.8 Detected	7619.8 Detected	7850.3 Detected	12033.1 Detected	Tdrd7	1.620881489	1.05745036	1.57918843	1.0302501
A_55_P2041	44.3 Detected	61.7 Detected	61.4 Detected	71.8 Detected	Hoxa11os	1.620767494	1.38600451	1.1636953	0.9951378
A_55_P1976	20.3 Detected	15.7 Not Detect	15.2 Not Detect	32.9 Not Detect	Zfp551	1.620689655	0.74876847	2.0955414	0.9681529
A_66_P1129	14.5 Detected	16.8 Detected	27.3 Detected	23.5 Not Detect	Npy4r	1.620689655	1.88275862	1.39880952	1.625
A_52_P6610	14530 Detected	17129.6 Detected	16127.8 Detected	23548.4 Detected	Snhg3	1.620674467	1.10996559	1.37471978	0.9415164
A_55_P1989	1709.1 Detected	1899.1 Detected	1593.2 Detected	2769.8 Detected	Fam149b	1.620619039	0.93218653	1.45848033	0.8389237
A_66_P1109	13.7 Not Detect	8.7 Not Detect	20.3 Detected	22.2 Not Detect	Dgki	1.620437956	1.48175182	2.55172414	2.3333333
A_51_P4126	2378.6 Detected	2296.2 Detected	2727.1 Detected	3853.7 Detected	Ccdc51	1.620154713	1.14651476	1.67829457	1.1876579
A_55_P2077	18891.7 Detected	18270.5 Detected	18813.3 Detected	30606 Detected	Mcidas	1.620076542	0.99585003	1.67515941	1.0297091
A_51_P5038	3312.4 Detected	3271.9 Detected	2963.7 Detected	5365.7 Detected	Edem1	1.619882864	0.8947289	1.63993398	0.905804
A_55_P2182	14.2 Detected	12.7 Not Detect	12.1 Not Detect	23 Not Detect	Mnx1	1.61971831	0.85211268	1.81102362	0.9527559
A_52_P1565	143.8 Detected	162.6 Detected	121.7 Detected	232.9 Detected	Fkbp15	1.61961057	0.84631433	1.43234932	0.7484625
A_52_P5929	25879.3 Detected	32258.7 Detected	31837.4 Detected	41909.7 Detected	Ostc	1.619429428	1.23022647	1.29917511	0.98694
A_55_P2100	247.9 Detected	340 Detected	267 Detected	401.4 Detected	Gas2l3	1.619201291	1.0770472	1.18058824	0.7852941
A_51_P4060	24320 Detected	24810.1 Detected	42647.1 Detected	39378.2 Detected	1110001J03Rik	1.619169408	1.75358141	1.58718425	1.7189411
A_55_P1995	33.6 Detected	31.2 Detected	22.8 Detected	54.4 Detected	Olfir209	1.619047619	0.67857143	1.74358974	0.7307692
A_51_P2566	244 Detected	886.8 Detected	3.6 Not Detect	395 Detected	Pon3	1.618852459	0.0147541	0.44542174	0.0040595
A_55_P2042	68.2 Detected	85.8 Detected	81.4 Detected	110.4 Detected	Lrrc16b	1.618768328	1.19354839	1.28671329	0.9487179
A_51_P4279	1591.1 Detected	1507.3 Detected	1651.6 Detected	2575.5 Detected	Megf8	1.618691471	1.03802401	1.7086844	1.0957341
A_52_P3380	318.1 Detected	400.7 Detected	400.5 Detected	514.9 Detected	Fndc3a	1.618673373	1.25903804	1.28500125	0.9995009
A_55_P2105	1035.9 Detected	1094.9 Detected	1165 Detected	1676.4 Detected	Fam175a	1.618302925	1.12462593	1.53109873	1.0640241
A_55_P1985	36.9 Detected	40.2 Detected	67.6 Detected	59.7 Detected	Mcoln1	1.617886179	1.83197832	1.48507463	1.681592
A_51_P3236	18340.5 Detected	18856 Detected	25057 Detected	29668.3 Detected	Vimp	1.617638559	1.36621139	1.5734143	1.3288608
A_55_P2070	8875.1 Detected	7092.8 Detected	9614 Detected	14355.1 Detected	Tyw1	1.617457831	1.0832554	2.02389747	1.3554591
A_55_P2166	2876.7 Detected	3336.2 Detected	3849.2 Detected	4651.8 Detected	Tmem128	1.617061216	1.33806097	1.39434087	1.1537678
A_55_P2039	4327.5 Detected	6540.9 Detected	5727.1 Detected	6997.5 Detected	Mboat2	1.616984402	1.32341999	1.06980691	0.8755829
A_55_P2131	4583.7 Detected	4571.4 Detected	3944.1 Detected	7411.4 Detected		1.616903375	0.86046207	1.62125388	0.8627773
A_66_P1211	7999.3 Detected	12544.4 Detected	8693.5 Detected	12933.2 Detected	Katnb1	1.616791469	1.08678259	1.03099391	0.6930184
A_55_P2073	1735.7 Detected	1424.9 Detected	3123.7 Detected	2806.2 Detected	Tfdp2	1.616754047	1.79967736	1.96940136	2.192224
A_55_P2140	18 Detected	102.7 Detected	48.6 Detected	29.1 Not Detect	Krt39	1.616666667	2.7	0.28334956	0.473223
A_51_P2140	10374 Detected	7255.8 Detected	15830.5 Detected	16770.3 Detected	2310039H08Rik	1.616570272	1.52597841	2.31129579	2.1817718
A_55_P1977	65.2 Detected	65.6 Detected	54.9 Detected	105.4 Detected	Itgam	1.616564417	0.84202454	1.60670732	0.8368902

A_55_P2042	361.2 Detected	439.4 Detected	587.9 Detected	583.9 Detected	Ormdl2	1.616555925	1.62763012	1.32885753	1.3379609
A_55_P2023	698.8 Detected	817.7 Detected	883.6 Detected	1129.5 Detected	Pgap1	1.616342301	1.26445335	1.38131344	1.0805919
A_51_P4213	51.6 Detected	46.1 Detected	48.1 Detected	83.4 Detected	Caly	1.61627907	0.93217054	1.80911063	1.0433839
A_52_P6163	1198.1 Detected	1630.4 Detected	1022.3 Detected	1936.4 Detected	Sbno2	1.616225691	0.85326767	1.187684	0.627024
A_51_P2804	3643.4 Detected	2954.1 Detected	5135.3 Detected	5888.5 Detected	Sdf2l1	1.616210133	1.40948016	1.9933313	1.7383636
A_51_P3909	72.6 Detected	79.3 Detected	94.8 Detected	117.3 Detected	Sloc43a3	1.615702479	1.30578512	1.47919294	1.1954603
A_55_P2108	5.2 Not Detect	16.6 Detected	3 Not Detect	8.4 Not Detect	Armcx6	1.615384615	0.57692308	0.5060241	0.1807229
A_55_P2074	24.7 Detected	279.2 Detected	8.8 Not Detect	39.9 Not Detect	Prkar1b	1.615384615	0.3562753	0.14290831	0.0315186
A_55_P2162	5035.4 Detected	5429.5 Detected	4451 Detected	8134.1 Detected	Fbxo31	1.615383088	0.88394169	1.49813058	0.8197808
A_55_P2170	11594.4 Detected	14723.6 Detected	11041.1 Detected	18727.3 Detected	Rheb	1.615202167	0.95227869	1.27192399	0.7498913
A_55_P2063	531.4 Detected	665.6 Detected	713.3 Detected	858.3 Detected	Matk	1.615167482	1.34230335	1.28951322	1.0716647
A_52_P3514	943.3 Detected	1231.6 Detected	1909.9 Detected	1523.4 Detected	Sgsm3	1.614968727	2.02470052	1.23692757	1.550747
A_55_P1968	1098.6 Detected	1212.8 Detected	1392.5 Detected	1774.1 Detected	Stk38l	1.614873475	1.2675223	1.46281332	1.1481695
A_52_P2165	661.6 Detected	789.5 Detected	737.3 Detected	1068 Detected	Fbxw8	1.61426844	1.11441959	1.35275491	0.9338822
A_51_P4526	217.5 Detected	406.9 Detected	274.6 Detected	351.1 Detected	Tlr2	1.614252874	1.26252874	0.86286557	0.6748587
A_51_P4129	60.9 Detected	259.1 Detected	65.2 Detected	98.3 Detected	Efs	1.614121511	1.07060755	0.3793902	0.2516403
A_52_P3239	279.1 Detected	412.3 Detected	211.6 Detected	450.5 Detected	Farsa	1.614116804	0.7581512	1.09265098	0.5132185
A_55_P2078	21.5 Detected	21.1 Detected	11.9 Not Detect	34.7 Not Detect	Olfir95	1.613953488	0.55348837	1.64454976	0.563981
A_55_P2009	6851.1 Detected	2438.5 Detected	9974.4 Detected	11057.2 Detected	Trib3	1.61393061	1.455883	4.5344269	4.0903834
A_55_P2069	68.1 Detected	84.7 Detected	78.5 Detected	109.9 Detected	Anapc15	1.613803231	1.15271659	1.29752066	0.9268005
A_55_P2010	97.1 Detected	26.7 Detected	446.6 Detected	156.7 Detected	Serpina1c	1.613800206	4.59938208	5.86891386	16.726592
A_51_P3048	1390.2 Detected	1228.3 Detected	2099.2 Detected	2243.4 Detected	Zfand6	1.613724644	1.50999856	1.82642677	1.7090287
A_52_P1655	129.9 Detected	155.1 Detected	153.8 Detected	209.6 Detected	Fancg	1.613548884	1.18398768	1.3513862	0.9916183
A_55_P2320	35.7 Detected	32.9 Detected	48.4 Detected	57.6 Detected	Hmga2-ps1	1.613445378	1.3557423	1.75075988	1.4711246
A_55_P2125	9431.3 Detected	11413.4 Detected	15240.1 Detected	15216.1 Detected	Gm11127	1.613361891	1.61590661	1.33317854	1.3352813
A_52_P5545	60 Detected	85.5 Detected	84 Detected	96.8 Detected	Klhdc1	1.613333333	1.4	1.13216374	0.9824561
A_51_P4417	2106.3 Detected	4661.9 Detected	3112.7 Detected	3398.1 Detected	Micu2	1.613302948	1.47780468	0.72890881	0.6676891
A_55_P1981	153.5 Detected	117.4 Detected	160 Detected	247.6 Detected	Grm1	1.613029316	1.04234528	2.10902896	1.362862
A_51_P4455	6.2 Not Detect	17.8 Detected	7.5 Not Detect	10 Not Detect	Chst10	1.612903226	1.20967742	0.56179775	0.4213483
A_55_P2027	2094.5 Detected	2890.5 Detected	2880.8 Detected	3378.1 Detected	Engase	1.612843161	1.37541179	1.16869054	0.9966442
A_55_P2017	7505.3 Detected	16033.4 Detected	6273.4 Detected	12104.8 Detected	Tap2	1.612833598	0.83586266	0.75497399	0.3912707
A_55_P2187	253.6 Detected	295.4 Detected	260.9 Detected	409 Detected	4930560O18Rik	1.612776025	1.02878549	1.3845633	0.8832092
A_51_P3967	35200.8 Detected	44869.8 Detected	40076.1 Detected	56766.2 Detected	Arl2bp	1.612639485	1.13849969	1.26513156	0.8931642
A_52_P1272	28.9 Detected	31.8 Detected	36.4 Detected	46.6 Detected	Gm9	1.612456747	1.25951557	1.46540881	1.1446541
A_55_P1977	55.2 Detected	64.8 Detected	59.3 Detected	89 Detected	Pde11a	1.612318841	1.07427536	1.37345679	0.9151235
A_51_P3592	734.7 Detected	843.4 Detected	753.7 Detected	1184.5 Detected	Ubxn2b	1.612222676	1.0258609	1.40443443	0.8936448
A_51_P2865	7432.1 Detected	6764.8 Detected	6907.6 Detected	11980.9 Detected	Gna13	1.612047739	0.92942775	1.77106492	1.0211093
A_52_P6497	29.9 Detected	26.6 Detected	40.8 Detected	48.2 Not Detect	Smyd3	1.612040134	1.36454849	1.81203008	1.5338346
A_51_P1411	137.9 Detected	151.4 Detected	174.1 Detected	222.3 Detected	Dffa	1.612037708	1.26250906	1.4682959	1.1499339
A_55_P2095	1422.9 Detected	1655.4 Detected	1549.7 Detected	2293.3 Detected	Lamtor3	1.611708483	1.08911378	1.38534493	0.9361484

A_51_P1131	1197.4	Detected	573.7	Detected	2944	Detected	1929.7	Detected	Upk1b	1.611575079	2.45866043	3.36360467	5.1316019
A_55_P2266	12046.7	Detected	8959.6	Detected	22535.2	Detected	19413.9	Detected	Ahcy12	1.611553371	1.87065337	2.16682664	2.5152016
A_55_P2119	628.6	Detected	491.7	Detected	603.6	Detected	1012.9	Detected	Mapk1ip1	1.611358575	0.96022908	2.05999593	1.2275778
A_55_P2062	644	Detected	753.9	Detected	1003.5	Detected	1037.7	Detected	Etv3	1.611335404	1.55822981	1.3764425	1.3310784
A_55_P2234	56.6	Detected	52.3	Detected	217.9	Detected	91.2	Detected	9330195124Rik	1.61130742	3.84982332	1.74378585	4.166348
A_55_P2029	835.1	Detected	1218.5	Detected	630.3	Detected	1345.6	Detected	Hmox1	1.611304035	0.75475991	1.10430858	0.5172753
A_55_P2172	30.1	Detected	32.6	Detected	25.9	Detected	48.5	Not Detect	Wdr92	1.611295681	0.86046512	1.48773006	0.7944785
A_52_P3828	712.1	Detected	603.3	Detected	861.6	Detected	1147.3	Detected	Bloc1s3	1.611150119	1.20994242	1.90170728	1.4281452
A_55_P1972	39467.3	Detected	44584.8	Detected	55096.8	Detected	63580.6	Detected	Sars	1.610969081	1.39601138	1.42606	1.2357754
A_51_P4320	23.9	Detected	19.3	Not Detect	23.9	Detected	38.5	Not Detect	Trrap	1.610878661	1	1.99481865	1.238342
A_55_P2065	8051.4	Detected	9938	Detected	8179.9	Detected	12969	Detected	Kdm5b	1.610775766	1.01595996	1.30499094	0.8230932
A_51_P1791	3606.9	Detected	3493.2	Detected	7712.4	Detected	5809	Detected	Vasp	1.610524273	2.13823505	1.66294515	2.2078324
A_51_P3328	25314.5	Detected	42993.2	Detected	24398	Detected	40769	Detected	Abce1	1.610499911	0.96379545	0.94826624	0.5674851
A_55_P2191	102.4	Detected	105.1	Detected	86.1	Detected	164.9	Detected	2610027K06Rik	1.610351563	0.84082031	1.56898192	0.8192198
A_55_P2116	11335.3	Detected	15160.4	Detected	15513.7	Detected	18252.3	Detected	Hax1	1.610217639	1.36861839	1.20394581	1.0233041
A_55_P1958	26033	Detected	24755.3	Detected	36905	Detected	41912.1	Detected	Got1	1.609960435	1.41762379	1.69305563	1.4907919
A_55_P2155	2148.6	Detected	2305.3	Detected	2586	Detected	3459	Detected	Ezh1	1.609885507	1.20357442	1.50045547	1.1217629
A_51_P3453	711.3	Detected	2671.9	Detected	514.9	Detected	1145.1	Detected	Psmb8	1.609869253	0.72388584	0.42857143	0.1927093
A_51_P5125	4710.2	Detected	5810	Detected	5681.3	Detected	7582.8	Detected	Cdc42se1	1.609867946	1.20616959	1.30512909	0.9778485
A_55_P2185	1925.7	Detected	2269.5	Detected	2164.9	Detected	3100.1	Detected	Cln3	1.609856156	1.12421457	1.3659837	0.9539106
A_55_P2055	66.1	Detected	81.4	Detected	62.5	Detected	106.4	Detected	Fbxo25	1.6096823	0.94553707	1.30712531	0.7678133
A_55_P2090	13830.6	Detected	18695.1	Detected	12593.7	Detected	22252.7	Detected	Ebna1bp2	1.608946828	0.91056787	1.19029585	0.6736364
A_55_P1980	3575.5	Detected	5267.3	Detected	4334.7	Detected	5751.2	Detected	Mettl23	1.608502307	1.21233394	1.0918687	0.8229453
A_51_P3101	21.2	Detected	22.6	Detected	22.9	Detected	34.1	Not Detect	2810459M11Rik	1.608490566	1.08018868	1.50884956	1.0132743
A_52_P5556	5915.3	Detected	7485.8	Detected	8023.5	Detected	9514	Detected	Trappc12	1.608371511	1.35639782	1.27093965	1.0718293
A_55_P2183	2570.3	Detected	5125	Detected	2989.3	Detected	4133.4	Detected	Spcc3	1.608139128	1.16301599	0.80651707	0.583278
A_55_P2303	144.4	Detected	151.5	Detected	223	Detected	232.2	Detected	D830044D21Rik	1.608033241	1.54432133	1.53267327	1.4719472
A_55_P1958	12.5	Not Detect	12.9	Not Detect	19	Detected	20.1	Not Detect	Gm7550	1.608	1.52	1.55813953	1.4728682
A_51_P2209	2319.3	Detected	2583.6	Detected	4049.4	Detected	3728.8	Detected	Vstm5	1.607726469	1.74595783	1.44325747	1.5673479
A_55_P2256	44.6	Detected	51.5	Detected	36.9	Detected	71.7	Detected	4930506C21Rik	1.607623318	0.82735426	1.39223301	0.7165049
A_52_P6503	6438.1	Detected	9156.4	Detected	8739.8	Detected	10349.6	Detected	Strap	1.607555024	1.35751231	1.13031322	0.9545018
A_51_P4287	673.2	Detected	1244.1	Detected	987.5	Detected	1082.2	Detected	Pus7l	1.607546049	1.46687463	0.86986577	0.7937465
A_55_P2059	3514.8	Detected	3538.8	Detected	3839.8	Detected	5649.8	Detected	Snx7	1.607431433	1.09246614	1.5965299	1.0850571
A_55_P2033	2157	Detected	3521.8	Detected	2019.9	Detected	3467.1	Detected	Fut10	1.607371349	0.9364395	0.98446817	0.5735419
A_66_P1198	1373.7	Detected	1011.6	Detected	1621.5	Detected	2208	Detected	Optn	1.607337847	1.18038873	2.1826809	1.6029063
A_55_P2157	112.3	Detected	103.4	Detected	109.2	Detected	180.5	Detected	Gm5741	1.60730187	0.97239537	1.74564797	1.0560928
A_66_P1106	93.7	Detected	97.5	Detected	107.7	Detected	150.6	Detected	Sqstm1	1.607257204	1.14941302	1.54461538	1.1046154
A_55_P1957	5533.3	Detected	4753.8	Detected	5959.8	Detected	8892.9	Detected	Tmub1	1.607160284	1.07707878	1.87069292	1.2536918
A_66_P1325	409.3	Detected	468.1	Detected	422.5	Detected	657.8	Detected	Chmp4c	1.607134131	1.03225018	1.40525529	0.9025849
A_55_P2344	51.1	Detected	43.3	Detected	70.5	Detected	82.1	Detected	D7Wsu130e	1.60665362	1.37964775	1.8960739	1.6281755

A_52_P2444	256.9	Detected	374.6	Detected	326.9	Detected	412.7	Detected	D16Ert472e	1.606461658	1.27247956	1.10170849	0.8726642
A_66_P1086	4614.3	Detected	5670.5	Detected	5211.3	Detected	7409.5	Detected	Mtg1	1.605769022	1.1293804	1.3066749	0.9190195
A_55_P1990	97.9	Detected	115.8	Detected	98.8	Detected	157.2	Detected	Dclre1b	1.605720123	1.00919305	1.35751295	0.8531952
A_55_P2132	8950.9	Detected	8844.5	Detected	11427.8	Detected	14372	Detected	1810037117Rik	1.605648594	1.27672078	1.62496467	1.2920798
A_52_P9574	2234.5	Detected	2464	Detected	1920.5	Detected	3587.3	Detected	Smim19	1.605415082	0.85947639	1.45588474	0.7794237
A_51_P1586	287.1	Detected	346.7	Detected	539.9	Detected	460.9	Detected	Ggnbp1	1.605363985	1.88052943	1.3293914	1.5572541
A_52_P5885	1297.9	Detected	1349.8	Detected	1596.3	Detected	2083.6	Detected	Snapiin	1.605362509	1.22990985	1.54363609	1.1826196
A_55_P2057	4856.9	Detected	3208.4	Detected	7912.1	Detected	7795.8	Detected	Magi1	1.605097902	1.62904322	2.42980925	2.4660578
A_55_P2067	11.9	Not Detect	25.1	Detected	30.3	Detected	19.1	Not Detect	Dpep2	1.605042017	2.54621849	0.76095618	1.2071713
A_55_P2072	439	Detected	442.4	Detected	451.6	Detected	704.6	Detected	Lypd5	1.60501139	1.02870159	1.59267631	1.0207957
A_55_P1984	1193.3	Detected	1366.8	Detected	1495.8	Detected	1915.2	Detected	Parp4	1.604961032	1.2534987	1.40122915	1.094381
A_51_P1678	375	Detected	539.1	Detected	650.6	Detected	601.8	Detected	Tfrc	1.6048	1.73493333	1.11630495	1.2068262
A_51_P4454	433.7	Detected	311.9	Detected	548.6	Detected	696	Detected	Mturn	1.604795942	1.26492967	2.23148445	1.7588971
A_51_P3698	10535.5	Detected	13398.2	Detected	11529.4	Detected	16906.1	Detected	Nceh1	1.604679417	1.09433819	1.26181875	0.8605186
A_55_P1976	1037.4	Detected	1153.9	Detected	1157.5	Detected	1664.6	Detected	Hsd12	1.604588394	1.11577019	1.44258601	1.0031199
A_55_P2051	455	Detected	683.1	Detected	457.1	Detected	730	Detected	Cbr4	1.604395604	1.00461538	1.06865759	0.6691553
A_51_P2716	624.2	Detected	523.7	Detected	895.2	Detected	1001.4	Detected	Hps1	1.604293496	1.43415572	1.91216345	1.7093756
A_55_P2014	1543.3	Detected	1390.3	Detected	1787.1	Detected	2475.8	Detected	Zfp82	1.604224713	1.15797317	1.78076674	1.285406
A_52_P5101	37.9	Detected	61.1	Detected	54	Detected	60.8	Detected	Acrbp	1.604221636	1.42480211	0.99509002	0.8837971
A_51_P2828	28.8	Detected	108.3	Detected	25.8	Detected	46.2	Not Detect	St14	1.604166667	0.89583333	0.4265928	0.2382271
A_51_P4982	4031.1	Detected	2617.5	Detected	7147.4	Detected	6466.3	Detected	Rnf141	1.604103098	1.77306442	2.4704107	2.7306208
A_55_P2055	2693.1	Detected	2175.6	Detected	2142.3	Detected	4319.9	Detected	Maoa	1.604062233	0.79547733	1.98561316	0.9846939
A_51_P4528	3286.7	Detected	4454.4	Detected	4704.6	Detected	5272	Detected	Rpl31	1.604040527	1.43140536	1.18354885	1.0561692
A_52_P5320	344	Detected	272	Detected	464.8	Detected	551.7	Detected	Zfyve27	1.60377907	1.35116279	2.02830882	1.7088235
A_55_P2066	2466.5	Detected	2434.7	Detected	2205	Detected	3955.5	Detected	Oacyl	1.603689438	0.89397932	1.62463548	0.9056557
A_52_P7094	22.7	Detected	17.9	Detected	18.1	Detected	36.4	Not Detect	Khdc1c	1.603524229	0.79735683	2.03351955	1.0111732
A_55_P2097	112.2	Detected	136.1	Detected	139	Detected	179.9	Detected	Gm6713	1.603386809	1.23885918	1.32182219	1.0213079
A_52_P5786	342.9	Detected	1696.1	Detected	374.1	Detected	549.8	Detected	Cela1	1.60338291	1.09098863	0.32415542	0.2205648
A_55_P2145	4707.1	Detected	6389.9	Detected	6782.3	Detected	7546.9	Detected	Mpst	1.603301396	1.44086593	1.181067	1.0614094
A_55_P1980	2069.7	Detected	2569.3	Detected	2648.9	Detected	3318	Detected	Apba3	1.603130889	1.27984732	1.29140233	1.0309812
A_51_P3733	6.8	Not Detect	39.7	Detected	4	Not Detect	10.9	Not Detect	Lce3c	1.602941176	0.58823529	0.27455919	0.1007557
A_55_P2092	47.6	Detected	89.1	Detected	79.2	Detected	76.3	Detected	Nup210	1.602941176	1.66386555	0.85634119	0.8888889
A_52_P2505	3001.6	Detected	2108.6	Detected	3028.6	Detected	4810.5	Detected	Dnajc13	1.602645256	1.0089952	2.28137153	1.4363085
A_52_P5583	354	Detected	519.6	Detected	257	Detected	567.3	Detected	Zdhhc1	1.602542373	0.7259887	1.09180139	0.4946112
A_55_P1962	55.6	Detected	86.8	Detected	288.6	Detected	89.1	Detected	Hba-a1	1.602517986	5.19064748	1.0264977	3.3248848
A_52_P1770	1270.8	Detected	1139.4	Detected	1791.7	Detected	2036.3	Detected	Pts	1.602376456	1.40989928	1.78716869	1.5724943
A_55_P2205	26.9	Detected	24.1	Detected	17.4	Detected	43.1	Not Detect	D17H6S56E-5	1.602230483	0.64684015	1.78838174	0.7219917
A_55_P2046	2655.8	Detected	4569.3	Detected	1965.8	Detected	4255.2	Detected	Mlkl	1.602229084	0.74019128	0.93125862	0.4302191
A_66_P1333	20626.4	Detected	23181.6	Detected	30327	Detected	33047.7	Detected	Tpd52	1.602203972	1.4703002	1.42560048	1.3082358
A_52_P3271	47.5	Detected	55.2	Detected	67.6	Detected	76.1	Detected	0610008F07Rik	1.602105263	1.42315789	1.37862319	1.2246377

A_51_P1058	19.6	Detected	18.2	Detected	25.2	Detected	31.4	Not Detect	Col6a6	1.602040816	1.28571429	1.72527473	1.3846154	
A_55_P2158	1724.2	Detected	1712.1	Detected	1806.2	Detected	2762	Detected	Iqcc	1.601902332	1.04755829	1.61322353	1.0549617	
A_55_P2028	118.8	Detected	111.6	Detected	68.3	Detected	190.3	Detected	LOC100862497	1.601851852	0.57491582	1.70519713	0.6120072	
A_66_P1175	460.6	Detected	929.5	Detected	259.8	Detected	737.8	Detected	Mtmr7	1.601823708	0.5640469	0.79376009	0.2795051	
A_55_P1970	119812.3	Detected	169273.2	Detected	162659	Detected	191907.1	Detected	Mif	1.601731208	1.3576152	1.13371225	0.9609259	
A_55_P1953	4112.3	Detected	3414.2	Detected	5146.5	Detected	6586.5	Detected	Fam98c	1.601658439	1.25148943	1.92914885	1.5073809	
A_55_P1988	7024.7	Detected	6107.7	Detected	6402.9	Detected	11250.7	Detected	Cdkn2b	1.601591527	0.91148376	1.84205184	1.0483324	
A_52_P3154	563.7	Detected	395.4	Detected	676.2	Detected	902.8	Detected	Btg2	1.601561114	1.19957424	2.28325746	1.7101669	
A_55_P2002	507.9	Detected	581.1	Detected	544	Detected	813.4	Detected	Srebfl	1.601496358	1.07107698	1.39975908	0.9361556	
A_51_P1195	2793.4	Detected	5281	Detected	3131.6	Detected	4473.6	Detected	Aga	1.601489225	1.1210711	0.84711229	0.5929938	
A_52_P5390	30340.9	Detected	31121.4	Detected	44339.2	Detected	48590.2	Detected	Ccnd2	1.601475236	1.46136733	1.56131151	1.4247174	
A_55_P2083	16.3	Detected	20.2	Detected	16.2	Detected	26.1	Not Detect	Gm10024	1.601226994	0.99386503	1.29207921	0.8019802	
A_52_P3814	210.6	Detected	355.6	Detected	205.8	Detected	337.2	Detected	Tbc1d4	1.601139601	0.97720798	0.94825647	0.5787402	
A_52_P4516	53.4	Detected	58.3	Detected	59.2	Detected	85.5	Detected	Ndn	1.601123596	1.10861423	1.46655232	1.0154374	
A_55_P2182	750.2	Detected	624.3	Detected	1359.9	Detected	1201.1	Detected	Kcnh4	1.601039723	1.81271661	1.92391478	2.1782797	
A_55_P2173	7590.9	Detected	6919.8	Detected	12932.1	Detected	12152.5	Detected	Isg20	1.600930061	1.70363198	1.75619238	1.8688546	
A_51_P3713	963.9	Detected	1163.6	Detected	1466	Detected	1543.1	Detected	Mpp5	1.600892209	1.52090466	1.326143	1.2598831	
A_55_P2145	578.2	Detected	1039.9	Detected	513.2	Detected	925.6	Detected	Krt80	1.600830163	0.88758215	0.89008559	0.493509	
A_55_P2024	1242.9	Detected	1869.1	Detected	1231	Detected	1989.6	Detected	Tbc1d4	1.600772387	0.99042562	1.06446953	0.6586057	
A_51_P3935	20734	Detected	22885.5	Detected	27264.3	Detected	33186.4	Detected	Atp6v1d	1.60057876	1.31495611	1.45010596	1.1913351	
A_52_P2782	166.2	Detected	202.7	Detected	267.5	Detected	266	Detected	Atxn3	1.600481348	1.60950662	1.31228416	1.3196843	
A_55_P2049	523.3	Detected	850.3	Detected	905.9	Detected	837.5	Detected	Cops7b	1.600420409	1.73112937	0.98494649	1.0653887	
A_55_P2091	2059.7	Detected	1408.1	Detected	3378.9	Detected	3296.3	Detected	Hrct1	1.600378696	1.64048162	2.3409559	2.3996165	
A_55_P2035	19925.2	Detected	27289.7	Detected	18977.3	Detected	31883.7	Detected	Tcf25	1.600169634	0.95242708	1.1683419	0.6954016	
A_52_P6828	264.1	Detected	329.4	Detected	401.7	Detected	422.6	Detected	Xk	1.600151458	1.52101477	1.28293868	1.21949	
A_55_P2067	11993.2	Detected	15648.3	Detected	18190.3	Detected	19190.6	Detected	Psg23	1.600123403	1.51671781	1.22636964	1.1624458	
A_55_P2077	10116.4	Detected	6299.1	Detected	6955.5	Detected	16186.7	Detected	Stxbp1	1.600045471	0.68754695	2.56968456	1.1042054	
A_55_P2076	5959.6	Detected	9111.1	Detected	7216.6	Detected	9535.4	Detected		8-Mar	1.600006712	1.2109202	1.04656957	0.7920668
A_55_P2030	97.4	Detected	157.8	Detected	152.6	Detected	155.8	Detected	Tm7sf3	1.599589322	1.56673511	0.98732573	0.9670469	
A_55_P2027	15333.6	Detected	18945.1	Detected	14825.5	Detected	24521.9	Detected	Golga7	1.599226535	0.96686362	1.29436635	0.7825506	
A_55_P2073	19096.5	Detected	21788	Detected	25865.2	Detected	30531.9	Detected	Hadhb	1.598821774	1.35444715	1.40131724	1.1871305	
A_55_P2250	687.2	Detected	461.5	Detected	588	Detected	1098.6	Detected	Taok3	1.598661234	0.8556461	2.38049837	1.2741062	
A_66_P1099	545.6	Detected	596.3	Detected	985.1	Detected	872.2	Detected	Mamdc4	1.598607038	1.80553519	1.46268657	1.6520208	
A_55_P2015	1674.2	Detected	1897.2	Detected	1915.8	Detected	2676.3	Detected	Gm10374	1.598554534	1.14430773	1.41065781	1.0098039	
A_55_P2094	246.8	Detected	146.7	Detected	146.3	Detected	394.5	Detected	Zfp523	1.598460292	0.59278768	2.68916155	0.9972733	
A_51_P3146	279.3	Detected	555.1	Detected	221.2	Detected	446.4	Detected	Glt28d2	1.598281418	0.79197995	0.80417943	0.3984868	
A_55_P2058	138.9	Detected	161.7	Detected	82.7	Detected	222	Detected	Pde4dip	1.598272138	0.59539237	1.3729128	0.5114409	
A_52_P3871	282.5	Detected	300.4	Detected	239.3	Detected	451.5	Detected	Zfp324	1.598230088	0.84707965	1.50299601	0.7966045	
A_51_P3540	8957.3	Detected	8007.9	Detected	11146.1	Detected	14313.1	Detected	Tmc6	1.597925714	1.24435935	1.78737247	1.391888	
A_55_P1999	9.2	Not Detect	21.2	Detected	5	Not Detect	14.7	Not Detect	150009C09Rik	1.597826087	0.54347826	0.69339623	0.2358491	

A_51_P3387	5275.1	Detected	4131.2	Detected	8376.6	Detected	8427.3	Detected	Sdhaf1	1.597562132	1.58795094	2.03991576	2.0276433
A_55_P2228	165.4	Detected	110.4	Detected	246.2	Detected	264.2	Detected	LOC101055834	1.597339782	1.4885127	2.39311594	2.2300725
A_52_P2279	21.1	Detected	44.3	Detected	22.9	Detected	33.7	Not Detect	Olf1036	1.597156398	1.08530806	0.76072235	0.51693
A_51_P1151	2441.5	Detected	2981.5	Detected	2560.2	Detected	3899.4	Detected	Scara3	1.59713291	1.04861765	1.30786517	0.8586953
A_55_P2149	41.7	Detected	43.9	Detected	37.8	Detected	66.6	Detected	Panct2	1.597122302	0.90647482	1.51708428	0.8610478
A_66_P1020	5341.8	Detected	7944.5	Detected	7067.1	Detected	8531.3	Detected	Zfp1	1.59708338	1.32298102	1.07386242	0.8895588
A_51_P5182	3820.2	Detected	3767.5	Detected	7365.5	Detected	6101	Detected	Fibp	1.597036804	1.92804042	1.61937624	1.95501
A_55_P2121	1624.7	Detected	1557.4	Detected	1718.1	Detected	2594.3	Detected	Bbs9	1.596787099	1.05748754	1.66578914	1.1031848
A_51_P4590	268.2	Detected	371.1	Detected	377.6	Detected	428.2	Detected	Ybey	1.596569724	1.40790455	1.15386688	1.0175155
A_52_P5519	5.7	Not Detect	4.3	Not Detect	20.6	Detected	9.1	Not Detect	Ffar1	1.596491228	3.61403509	2.11627907	4.7906977
A_55_P2063	5.7	Not Detect	45.1	Detected	3.3	Not Detect	9.1	Not Detect	Ank1	1.596491228	0.57894737	0.20177384	0.0731707
A_55_P2074	330.5	Detected	516.4	Detected	415.1	Detected	527.6	Detected	Ccdc122	1.596369138	1.25597579	1.02168861	0.8038342
A_51_P2889	21.3	Detected	19.9	Detected	28.3	Detected	34	Not Detect	Olf391-ps	1.596244131	1.3286385	1.70854271	1.4221106
A_51_P1650	5040.3	Detected	4615.7	Detected	6989.6	Detected	8045.5	Detected	Gga2	1.596234351	1.38674285	1.74307256	1.5143099
A_51_P3378	311.6	Detected	325	Detected	275.1	Detected	497.3	Detected	Prrc1	1.595956354	0.88286264	1.53015385	0.8464615
A_55_P2161	49	Detected	41.7	Detected	49.7	Detected	78.2	Detected	Rgs6	1.595918367	1.01428571	1.87529976	1.1918465
A_55_P2034	28.7	Detected	27.8	Detected	24.7	Detected	45.8	Not Detect	Il12rb1	1.595818815	0.86062718	1.64748201	0.8884892
A_51_P3313	2924.1	Detected	2965	Detected	4538.8	Detected	4665.8	Detected	Paip2b	1.595636264	1.5522041	1.57362563	1.5307926
A_51_P2497	1620.9	Detected	1541.5	Detected	2353.1	Detected	2585.6	Detected	Dusp28	1.595163181	1.45172435	1.67732728	1.5265002
A_55_P2403	143	Detected	88.3	Detected	42.3	Detected	228.1	Detected	AI451458	1.595104895	0.2958042	2.58323896	0.4790487
A_55_P2042	1875.1	Detected	3692.4	Detected	732.4	Detected	2990.8	Detected	Glrp1	1.595008266	0.3905925	0.80998808	0.1983534
A_51_P3089	7327.9	Detected	7391.9	Detected	8327	Detected	11686.2	Detected	Hmgcl	1.594754295	1.13634193	1.58094671	1.1265033
A_52_P4550	4212.4	Detected	4551.3	Detected	4514.4	Detected	6717.6	Detected	Eif3c	1.594720349	1.0716931	1.4759739	0.9918924
A_55_P2094	471.3	Detected	402.6	Detected	488.8	Detected	751.5	Detected	Lrch1	1.59452578	1.03713134	1.86661699	1.2141083
A_51_P4827	42572.8	Detected	44143.9	Detected	42022.6	Detected	67881.2	Detected	Dhcr24	1.594473467	0.98707626	1.53772548	0.9519458
A_66_P1006	7534.8	Detected	4192.9	Detected	13179	Detected	12014	Detected	Slc26a2	1.594468334	1.74908425	2.86531995	3.1431706
A_55_P2001	10.6	Not Detect	53	Detected	9.2	Not Detect	16.9	Not Detect	Mmel1	1.594339623	0.86792453	0.31886792	0.1735849
A_55_P2308	146.4	Detected	152.8	Detected	99.9	Detected	233.4	Detected	Fam120c	1.594262295	0.68237705	1.52748691	0.6537958
A_55_P2408	774.8	Detected	384.5	Detected	1464.7	Detected	1235.2	Detected	Lgr4	1.594217863	1.89042334	3.21248375	3.8093628
A_55_P2044	153	Detected	158.9	Detected	149.3	Detected	243.9	Detected	Fhl3	1.594117647	0.97581699	1.53492763	0.9395846
A_52_P5945	2888.2	Detected	2726.7	Detected	3969.2	Detected	4604.1	Detected	Nprl2	1.594107056	1.37428156	1.68852459	1.455679
A_51_P4780	440	Detected	560.7	Detected	1078	Detected	701.4	Detected	Epb4.1i5	1.594090909	2.45	1.25093633	1.9225968
A_51_P4324	44.8	Detected	37	Detected	107.9	Detected	71.4	Detected	Ppp1r14a	1.59375	2.40848214	1.92972973	2.9162162
A_55_P1974	16	Detected	14.9	Not Detect	17.4	Detected	25.5	Not Detect	Pde1c	1.59375	1.0875	1.7114094	1.1677852
A_55_P1960	32	Detected	31.5	Detected	36.2	Detected	51	Detected	Fam47e	1.59375	1.13125	1.61904762	1.1492063
A_52_P2448	43.8	Detected	69.7	Detected	75.3	Detected	69.8	Detected	D630033O11Rik	1.593607306	1.71917808	1.00143472	1.0803443
A_55_P1994	785.3	Detected	202.8	Detected	513.1	Detected	1251.2	Detected	Rab3il1	1.593276455	0.65338087	6.16962525	2.5300789
A_55_P2114	20401.8	Detected	24375.2	Detected	28474.4	Detected	32503.1	Detected	Mrpl24	1.593148644	1.39568077	1.33344957	1.1681709
A_66_P1237	3500.3	Detected	4191.4	Detected	4888.4	Detected	5575.7	Detected	Lars2	1.592920607	1.39656601	1.33027151	1.1662929
A_55_P2070	11573.6	Detected	7744.2	Detected	17794	Detected	18434.7	Detected	Lgals9	1.592823322	1.53746457	2.38045247	2.2977196

A_66_P1125	15188.5	Detected	13652.4	Detected	25640.3	Detected	24191.3	Detected	Isg20	1.592737927	1.68813905	1.77194486	1.87808
A_52_P5616	124.7	Detected	314.5	Detected	88.5	Detected	198.6	Detected	Vwa1	1.592622294	0.70970329	0.63147854	0.281399
A_52_P4635	5.4	Not Detect	16.1	Detected	3.1	Not Detect	8.6	Not Detect	Cd200r1	1.592592593	0.57407407	0.53416149	0.1925466
A_55_P2051	96.2	Detected	83.7	Detected	77.7	Detected	153.2	Detected	Ankrd61	1.592515593	0.80769231	1.83034648	0.9283154
A_65_P1049	168.3	Detected	132.1	Detected	115.8	Detected	268	Detected	Raph1	1.592394534	0.68805704	2.02876609	0.8766086
A_51_P2279	13	Not Detect	9.4	Not Detect	21.9	Detected	20.7	Not Detect	Dynlrb2	1.592307692	1.68461538	2.20212766	2.3297872
A_55_P2175	2673.2	Detected	5084.8	Detected	3991.4	Detected	4256.5	Detected	Rangrf	1.592286398	1.49311686	0.83710274	0.784967
A_52_P1673	315.6	Detected	247.2	Detected	465.8	Detected	502.5	Detected	Tmem8	1.592205323	1.47591888	2.03276699	1.8843042
A_55_P1982	6443.4	Detected	7791.9	Detected	8016	Detected	10257.3	Detected	Hmgn5	1.591907999	1.24406369	1.3164055	1.0287606
A_51_P1760	14.2	Not Detect	22.6	Detected	23.3	Detected	22.6	Not Detect	Ffar2	1.591549296	1.64084507	1	1.0309735
A_51_P3003	58.5	Detected	67.5	Detected	69.5	Detected	93.1	Detected	1700007K09Rik	1.591452991	1.18803419	1.37925926	1.0296296
A_55_P2092	399.3	Detected	376.9	Detected	396.6	Detected	635.4	Detected	Camkmt	1.591284748	0.99323817	1.68585832	1.0522685
A_66_P1248	1937.5	Detected	2318.8	Detected	1928.3	Detected	3083	Detected	Ing1	1.591225806	0.99525161	1.32956702	0.8315939
A_52_P2825	1720.5	Detected	850.8	Detected	1193.8	Detected	2737.3	Detected	Kif21b	1.590990991	0.69386806	3.21732487	1.40315
A_55_P2021	203.4	Detected	141.3	Detected	289.6	Detected	323.6	Detected	Enpp5	1.590953786	1.42379548	2.29016277	2.04954
A_51_P2073	19.3	Detected	12.3	Not Detect	15.6	Not Detect	30.7	Not Detect	4930526D03Rik	1.590673575	0.80829016	2.49593496	1.2682927
A_55_P1955	21	Detected	21.3	Detected	29.5	Detected	33.4	Not Detect	Myo1g	1.59047619	1.4047619	1.56807512	1.3849765
A_55_P2152	21	Detected	23.5	Detected	22.5	Detected	33.4	Not Detect	Ints10	1.59047619	1.07142857	1.4212766	0.9574468
A_55_P1966	62972.3	Detected	71323.4	Detected	94154.4	Detected	100154.4	Detected	Fdps	1.590451675	1.49517169	1.40422919	1.3201053
A_51_P1961	6554.7	Detected	10997	Detected	7213	Detected	10423.7	Detected	Papss1	1.590263475	1.10043175	0.9478676	0.6559062
A_55_P1999	34.9	Detected	34.2	Detected	39.6	Detected	55.5	Detected	Cyp2e1	1.59025788	1.13467049	1.62280702	1.1578947
A_55_P2333	42.7	Detected	44.6	Detected	72.9	Detected	67.9	Detected	BC020402	1.590163934	1.70725995	1.52242152	1.6345291
A_52_P1341	2408.4	Detected	1818.4	Detected	3148.9	Detected	3829.4	Detected	Pyurf	1.590018269	1.30746554	2.10591729	1.7316872
A_55_P2186	226.1	Detected	271.8	Detected	262.5	Detected	359.5	Detected	Pdik1l	1.590004423	1.16099071	1.32266372	0.9657837
A_51_P1048	591.5	Detected	645.4	Detected	594.1	Detected	940.4	Detected	Alkbh5	1.589856298	1.0043956	1.45708088	0.9205144
A_55_P2127	21841.4	Detected	25340.1	Detected	26723.8	Detected	34723.8	Detected	Kri1	1.589815671	1.22353878	1.3703103	1.0546052
A_55_P2289	116.6	Detected	175.5	Detected	138.8	Detected	185.3	Detected	B230308N11Rik	1.589193825	1.19039451	1.05584046	0.7908832
A_55_P2115	765.8	Detected	718.5	Detected	958.5	Detected	1217	Detected	Parva	1.589187777	1.25163228	1.69380654	1.3340292
A_52_P1382	902.8	Detected	816	Detected	956.9	Detected	1434.7	Detected	Plekha8	1.589167036	1.05992468	1.75821078	1.1726716
A_51_P4989	379.8	Detected	445.5	Detected	564.1	Detected	603.5	Detected	Loh12cr1	1.588994207	1.4852554	1.35465769	1.2662177
A_55_P1973	50.6	Detected	67.7	Detected	88.8	Detected	80.4	Detected	Ksr1	1.588932806	1.75494071	1.18759232	1.3116691
A_52_P6068	509.7	Detected	586.8	Detected	714.7	Detected	809.6	Detected	Pigh	1.588385325	1.40219737	1.37968643	1.2179618
A_51_P5020	11520.2	Detected	14133.7	Detected	15937.9	Detected	18297.1	Detected	Gtf2b	1.588262357	1.38347425	1.29457255	1.1276523
A_52_P6684	488.5	Detected	621.1	Detected	482	Detected	775.8	Detected	Rhbdd2	1.588126919	0.98669396	1.24907422	0.7760425
A_55_P2001	30.1	Detected	27.6	Detected	32.7	Detected	47.8	Detected	Klhl3	1.588039867	1.08637874	1.73188406	1.1847826
A_51_P3485	31474.6	Detected	40727.7	Detected	46703.7	Detected	49982.3	Detected	Ecsit	1.588020181	1.48385365	1.2272311	1.1467306
A_55_P2045	5276.7	Detected	5517.9	Detected	5007.1	Detected	8378	Detected	Btnl10	1.587734758	0.94890746	1.51833125	0.9074286
A_55_P2172	22.8	Detected	22.7	Detected	21.8	Detected	36.2	Not Detect	1700061117Rik	1.587719298	0.95614035	1.59471366	0.9603524
A_52_P2505	393.9	Detected	496.9	Detected	436.2	Detected	625.4	Detected	Dynll1	1.587712617	1.10738766	1.25860334	0.8778426
A_51_P2692	43.4	Detected	47.3	Detected	48.5	Detected	68.9	Detected	Acr	1.587557604	1.11751152	1.45665962	1.02537

A_52_P6743	3483.2	Detected	3630.5	Detected	6466.4	Detected	5529.1	Detected	Thtpa	1.587362196	1.85645384	1.52295827	1.7811321
A_55_P1979	1504.7	Detected	1641.4	Detected	2587.7	Detected	2388.4	Detected	Abtb1	1.587293148	1.7197448	1.45509931	1.57652
A_55_P2139	8958	Detected	7547.4	Detected	16869.6	Detected	14218.3	Detected	Gtf2a2	1.587218129	1.88318821	1.88386729	2.2351538
A_52_P6395	2539.7	Detected	2376.9	Detected	2980.8	Detected	4031	Detected	Ate1	1.587195338	1.17368193	1.69590643	1.2540704
A_55_P2057	2074.8	Detected	3395.1	Detected	2208.1	Detected	3293	Detected	Upk3bl	1.587140929	1.06424716	0.96992725	0.6503785
A_51_P2964	11939.9	Detected	12707.1	Detected	16059.6	Detected	18949.1	Detected	Casp2	1.587040092	1.34503639	1.49122144	1.2638289
A_55_P1997	12218.2	Detected	9671.5	Detected	23080.2	Detected	19388.9	Detected	Smim15	1.586886775	1.88900165	2.0047459	2.3864137
A_55_P2171	1525.4	Detected	1542.5	Detected	1705	Detected	2420.5	Detected	Stx3	1.586796906	1.11773961	1.56920583	1.1053485
A_51_P1160	14559.4	Detected	14071	Detected	19310.5	Detected	23102.7	Detected	Rexo2	1.586789291	1.32632526	1.64186625	1.3723616
A_55_P2225	24.2	Detected	28.5	Detected	18.5	Detected	38.4	Not Detect	A230092J17Rik	1.58677686	0.76446281	1.34736842	0.6491228
A_55_P2091	4028.2	Detected	4007.4	Detected	3801.6	Detected	6387	Detected	Krt222	1.585571719	0.94374659	1.59380147	0.948645
A_52_P6126	2876.2	Detected	3909.7	Detected	2467.1	Detected	4559.1	Detected	Polb	1.585112301	0.85776372	1.1660997	0.6310203
A_51_P4125	45.3	Detected	49.4	Detected	59.5	Detected	71.8	Detected	Irx4	1.584988962	1.31346578	1.4534413	1.2044534
A_55_P2011	10.6	Not Detect	16.9	Detected	11	Not Detect	16.8	Not Detect	Gpr111	1.58490566	1.03773585	0.99408284	0.6508876
A_51_P3846	1243	Detected	1290	Detected	1076.8	Detected	1969.9	Detected	Dhdds	1.584794851	0.86629123	1.52705426	0.8347287
A_52_P6580	6276.4	Detected	5974.7	Detected	7737.7	Detected	9946.1	Detected	Tspyl1	1.584682302	1.23282455	1.66470283	1.2950776
A_55_P2134	24.8	Detected	20.8	Detected	26.4	Detected	39.3	Not Detect	LOC101055680	1.584677419	1.06451613	1.88942308	1.2692308
A_55_P2003	62.6	Detected	78.5	Detected	133	Detected	99.2	Detected	P4ha3	1.584664537	2.12460064	1.26369427	1.6942675
A_52_P5287	49358.9	Detected	55129.6	Detected	74738.4	Detected	78216.7	Detected	Mrp63	1.584652413	1.51418285	1.41877866	1.3556855
A_66_P1289	19.5	Detected	17.3	Detected	19.6	Detected	30.9	Not Detect	Cyp2d9	1.584615385	1.00512821	1.78612717	1.132948
A_55_P2180	2671.4	Detected	2026.9	Detected	3582.8	Detected	4232.8	Detected	Aldh3a2	1.584487535	1.34116942	2.0883122	1.7676254
A_51_P2154	318.7	Detected	2131	Detected	859.2	Detected	504.9	Detected	Prodh	1.58424851	2.69595231	0.23693102	0.403191
A_51_P2004	6770.8	Detected	10558	Detected	8216.8	Detected	10726	Detected	Hspa4	1.584155491	1.21356413	1.0159121	0.7782535
A_51_P3172	3486.4	Detected	4586.8	Detected	5399.8	Detected	5522.9	Detected	Hpd1	1.584126893	1.54881827	1.20408564	1.1772478
A_55_P2125	142.8	Detected	160.8	Detected	130	Detected	226.2	Detected	Tmem210	1.584033613	0.91036415	1.40671642	0.8084577
A_55_P2106	119.2	Detected	141.7	Detected	146.6	Detected	188.8	Detected	Pcdha8	1.583892617	1.22986577	1.33239238	1.0345801
A_51_P4677	2329.7	Detected	2365.8	Detected	2769.6	Detected	3689.8	Detected	Snx19	1.583809074	1.1888226	1.55964156	1.1706822
A_55_P2177	124.6	Detected	124.7	Detected	115.9	Detected	197.3	Detected	Pde6g	1.583467095	0.93017657	1.58219727	0.9294306
A_55_P1979	61.2	Detected	58.4	Detected	66.7	Detected	96.9	Detected	Hoxa9	1.583333333	1.08986928	1.65924658	1.1421233
A_51_P5170	9603.1	Detected	8673	Detected	11611.2	Detected	15200.6	Detected	Tysnd1	1.582884693	1.20910956	1.75263461	1.3387755
A_55_P1957	27.8	Detected	67.2	Detected	55.5	Detected	44	Not Detect	Gm4567	1.582733813	1.99640288	0.6547619	0.8258929
A_66_P1290	62	Detected	64.4	Detected	83.6	Detected	98.1	Detected	C2cd3	1.582258065	1.3483871	1.52329193	1.2981366
A_51_P3165	1064.6	Detected	1261.6	Detected	880.3	Detected	1684.4	Detected	Irf2	1.582190494	0.82688334	1.33512999	0.6977647
A_55_P2137	200.3	Detected	180.2	Detected	273.7	Detected	316.9	Detected	Kctd21	1.58212681	1.36645032	1.75860155	1.5188679
A_52_P8391	498.4	Detected	583.8	Detected	516.4	Detected	788.5	Detected	Ssx2ip	1.5820626	1.03611557	1.35063378	0.8845495
A_55_P2037	68.9	Detected	77.1	Detected	85.6	Detected	109	Detected	Ppp1r12b	1.582002903	1.24238026	1.41374838	1.1102464
A_55_P1955	171	Detected	140.2	Detected	241.9	Detected	270.5	Detected	Synj1	1.581871345	1.41461988	1.92938659	1.7253923
A_55_P2020	899	Detected	1040.6	Detected	2507.9	Detected	1422.1	Detected	Zfp239	1.581868743	2.78965517	1.36661541	2.4100519
A_65_P0164	894.6	Detected	809	Detected	837.6	Detected	1415.1	Detected	Chd2	1.581824279	0.93628437	1.74919654	1.0353523
A_55_P2120	967.6	Detected	1021.1	Detected	1020.9	Detected	1530.5	Detected	Wdtdc1	1.581748656	1.05508475	1.49887376	0.9998041

A_51_P1434	13208.5	Detected	17820.9	Detected	14410.1	Detected	20886.4	Detected	Timm44	1.581284779	1.09097172	1.17201713	0.8086067
A_55_P2170	263	Detected	193	Detected	83.2	Detected	415.8	Detected	B930041F14Rik	1.580988593	0.31634981	2.15440415	0.4310881
A_51_P1553	8750.6	Detected	9288.4	Detected	12080.6	Detected	13833.7	Detected	Chmp2a	1.580885882	1.38054533	1.48935231	1.3006115
A_55_P2034	2189.2	Detected	2839.7	Detected	1944.6	Detected	3460.8	Detected	Terf2	1.580851453	0.88826969	1.21872029	0.6847906
A_51_P3799	5371.1	Detected	4044.3	Detected	7681.4	Detected	8490.4	Detected	Arl4a	1.58075627	1.43013535	2.0993497	1.8993151
A_55_P2149	1821.2	Detected	2716.3	Detected	1765.1	Detected	2878.8	Detected	Rsrc1	1.580716011	0.96919613	1.05982403	0.6498178
A_52_P4626	6.2	Not Detect	138.5	Detected	3.5	Not Detect	9.8	Not Detect	Gm11545	1.580645161	0.56451613	0.07075812	0.0252708
A_55_P1984	750.9	Detected	819.1	Detected	812.7	Detected	1186.8	Detected	Trim43c	1.580503396	1.08230124	1.44890734	0.9921865
A_55_P1970	114.4	Detected	136.7	Detected	281.6	Detected	180.8	Detected	Cdk3-ps	1.58041958	2.46153846	1.32260424	2.0599854
A_55_P2208	24399.4	Detected	15360.4	Detected	39474.5	Detected	38560.9	Detected	Onecut2	1.580403616	1.61784716	2.51040989	2.5698875
A_51_P4530	4086.7	Detected	6955.7	Detected	4022.5	Detected	6458.6	Detected	Mphosph6	1.58039494	0.9842905	0.92853343	0.5783027
A_55_P2139	434.2	Detected	463.8	Detected	508.9	Detected	686.2	Detected	Slc22a28	1.580377706	1.17204053	1.47951703	1.0972402
A_55_P2102	19020.7	Detected	15981.1	Detected	17017.9	Detected	30056.4	Detected	Cc2d1b	1.580194209	0.89470419	1.88074663	1.0648766
A_51_P1126	8854.5	Detected	8332.1	Detected	15524.4	Detected	13991.5	Detected	Mrpl50	1.580156982	1.75327799	1.67922853	1.8632038
A_55_P2035	2260.1	Detected	2471.2	Detected	2797.5	Detected	3571.3	Detected	Zfp653	1.580151321	1.23777709	1.44516834	1.1320411
A_52_P1554	60.7	Detected	70.8	Detected	2149.7	Compromis	95.9	Detected	Zfp317	1.579901153	35.4151565	1.35451977	30.362994
A_55_P2110	44.5	Detected	68.1	Detected	44.3	Detected	70.3	Detected	Tmem91	1.579775281	0.99550562	1.03230543	0.650514
A_55_P2330	109.4	Detected	107.4	Detected	172.1	Detected	172.8	Detected	AU019278	1.57952468	1.57312614	1.60893855	1.6024209
A_52_P1555	18693.5	Detected	13947.1	Detected	31224.9	Detected	29523.3	Detected	Cdc42ep2	1.579335063	1.67036136	2.11680564	2.2388095
A_51_P1353	14407.1	Detected	16635.1	Detected	20079.8	Detected	22750.3	Detected	Panx1	1.579103359	1.39374336	1.36760825	1.2070742
A_55_P1980	361.6	Detected	381.9	Detected	428.1	Detected	570.8	Detected	Gm4312	1.578539823	1.18390487	1.4946321	1.1209741
A_51_P5192	51529.1	Detected	72772.5	Detected	60701.3	Detected	81340.1	Detected	Ndufb7	1.578527473	1.17800039	1.11773129	0.8341242
A_55_P2068	105639.3	Detected	149248.1	Detected	140301.2	Detected	166749.5	Detected	Mif	1.578479789	1.32811558	1.1172638	0.9400535
A_55_P2019	19573.4	Detected	24616.2	Detected	28437	Detected	30889.1	Detected	Paox	1.578116219	1.45283906	1.25482812	1.1552149
A_51_P4303	2778.6	Detected	4221	Detected	3965.4	Detected	4384.9	Detected	Gmpr2	1.578096883	1.42712157	1.03882966	0.9394456
A_55_P2078	24.4	Detected	32.2	Detected	38.5	Detected	38.5	Not Detect	Xk	1.577868852	1.57786885	1.19565217	1.1956522
A_55_P1973	9	Not Detect	23.8	Detected	5.5	Not Detect	14.2	Not Detect	Mmel1	1.577777778	0.61111111	0.59663866	0.2310924
A_55_P1998	169.1	Detected	325.9	Detected	209.2	Detected	266.7	Detected	H2-M11	1.57717327	1.23713779	0.81834919	0.6419147
A_52_P5773	17255.9	Detected	15589.7	Detected	21455.7	Detected	27212	Detected	Epdr1	1.576967878	1.24338342	1.74551146	1.3762741
A_51_P4180	304.1	Detected	304.6	Detected	244.4	Detected	479.5	Detected	Ccnj	1.576783953	0.803683	1.57419567	0.8023638
A_51_P1763	2857.4	Detected	2459.3	Detected	3220.2	Detected	4505.3	Detected	Usp25	1.576713096	1.12696857	1.83194405	1.309397
A_51_P2781	2961.1	Detected	2696.4	Detected	3803.8	Detected	4668	Detected	Stampb	1.576441187	1.28459019	1.73119715	1.4106957
A_55_P2419	283.4	Detected	439.2	Detected	357.6	Detected	446.7	Detected	9330188P03Rik	1.576217361	1.26182075	1.0170765	0.8142077
A_55_P1966	21.7	Detected	25.9	Detected	27.7	Detected	34.2	Not Detect	Gm6600	1.576036866	1.2764977	1.32046332	1.0694981
A_55_P2001	6.6	Not Detect	27.6	Detected	9.5	Not Detect	10.4	Not Detect	Rps4y2	1.575757576	1.43939394	0.37681159	0.3442029
A_55_P2135	6097.8	Detected	5980.7	Detected	6341.8	Detected	9605.8	Detected	Hyi	1.575289449	1.04001443	1.60613306	1.0603775
A_52_P1522	392.5	Detected	456.1	Detected	319.9	Detected	618.3	Detected	Rpgrip11	1.575286624	0.81503185	1.35562377	0.7013813
A_55_P2336	9929.2	Detected	10121.1	Detected	16602.3	Detected	15638.7	Detected	Chn2	1.57502115	1.67206824	1.54515813	1.6403652
A_52_P1773	13201.1	Detected	16148.9	Detected	15147.7	Detected	20791.9	Detected	Cox19	1.575012688	1.14745741	1.28751184	0.938002
A_51_P4292	3595	Detected	2582.5	Detected	3697.6	Detected	5661.9	Detected	Tmod3	1.574937413	1.02853964	2.19241045	1.4317909

A_55_P2027	98066.9	Detected	80884.7	Detected	108946	Detected	154445.1	Detected	Bri3	1.574895301	1.11093549	1.90944765	1.3469296
A_55_P1974	20.7	Detected	18.3	Detected	31.7	Detected	32.6	Not Detect	Usp20	1.574879227	1.53140097	1.78142077	1.7322404
A_52_P1378	659.2	Detected	793.2	Detected	599.4	Detected	1038.1	Detected	Pdpr	1.574787621	0.90928398	1.30874937	0.7556732
A_52_P3369	2852	Detected	2962.9	Detected	2764.1	Detected	4491.2	Detected	9430020K01Rik	1.574754558	0.96917952	1.51581221	0.9329036
A_66_P1104	17.4	Detected	29.7	Detected	25.7	Detected	27.4	Not Detect	Kif6	1.574712644	1.47701149	0.92255892	0.8653199
A_52_P3919	2879.3	Detected	3114.8	Detected	4326.8	Detected	4534	Detected	Nt5c2	1.574688292	1.50272636	1.45563118	1.3891101
A_55_P2166	7907.5	Detected	10741.1	Detected	6982.1	Detected	12451.2	Detected	Cnot1	1.574606386	0.88297186	1.15921088	0.6500358
A_51_P4894	27.5	Detected	24.7	Detected	26.6	Detected	43.3	Not Detect	Cdo1	1.574545455	0.96727273	1.75303644	1.0769231
A_55_P2157	24.2	Detected	41.2	Detected	54.6	Detected	38.1	Not Detect	Cdx1	1.574380165	2.25619835	0.92475728	1.3252427
A_51_P4180	19766.4	Detected	18632.8	Detected	27614.6	Detected	31119.4	Detected	Sc5d	1.574358507	1.39704751	1.67014083	1.4820424
A_51_P1350	305.8	Detected	359.8	Detected	289.1	Detected	481.4	Detected	Preb	1.574231524	0.94538914	1.33796554	0.8035019
A_55_P1959	52.8	Detected	277.9	Detected	135.6	Detected	83.1	Detected	Ins1	1.573863636	2.56818182	0.29902843	0.4879453
A_66_P1044	539.5	Detected	616.6	Detected	563.9	Detected	849	Detected	Cog6	1.573679333	1.04522706	1.37690561	0.9145313
A_51_P1607	6.8	Not Detect	3.9	Not Detect	207.8	Detected	10.7	Not Detect	Alb	1.573529412	30.5588235	2.74358974	53.282051
A_52_P4648	533.8	Detected	289.1	Detected	206.7	Detected	839.9	Detected	Dlx1	1.573435744	0.38722368	2.90522311	0.7149775
A_66_P1176	1222.7	Detected	1813.7	Detected	1133.4	Detected	1923.7	Detected	Nfatc3	1.573321338	0.92696491	1.0606495	0.6249104
A_55_P2042	4014.9	Detected	4611.8	Detected	5367.6	Detected	6315.2	Detected	Nrtn	1.572940796	1.33691997	1.36935687	1.1638839
A_55_P2067	34211.8	Detected	42055.8	Detected	54445.7	Detected	53805.8	Detected	Atp5l	1.572726369	1.59143044	1.27939071	1.2946062
A_66_P1342	25.5	Detected	25.2	Detected	30.3	Detected	40.1	Not Detect	Olf978	1.57254902	1.18823529	1.59126984	1.202381
A_55_P2043	2471.6	Detected	2192	Detected	4405.2	Detected	3886.5	Detected	Magef1	1.572463182	1.78232724	1.77303832	2.0096715
A_55_P2088	2195.9	Detected	1770.4	Detected	2380.7	Detected	3452.7	Detected	Ap3s2	1.57233936	1.08415684	1.95023723	1.3447244
A_51_P1415	7966.1	Detected	7975.6	Detected	10122.8	Detected	12524.6	Detected	Oat	1.572237356	1.27073474	1.57036461	1.2692211
A_52_P4910	4302.5	Detected	4066.5	Detected	6115	Detected	6763.4	Detected	Nek8	1.571969785	1.42126671	1.66319931	1.5037502
A_55_P2185	1117.7	Detected	1298.8	Detected	1901.9	Detected	1756.8	Detected	Bpnt1	1.571799231	1.7016194	1.3526332	1.4643517
A_51_P3883	3342.1	Detected	4867.3	Detected	5186.1	Detected	5252.2	Detected	Ppil4	1.571526884	1.5517489	1.07907875	1.0654983
A_65_P1354	193.2	Detected	108	Detected	234.2	Detected	303.6	Detected	Jup	1.571428571	1.21221532	2.81111111	2.1685185
A_55_P1959	625.7	Detected	863.3	Detected	581.5	Detected	983.1	Detected	Cth	1.571200256	0.92935912	1.13876984	0.6735781
A_51_P4642	4733.5	Detected	5130.3	Detected	7541.3	Detected	7437.1	Detected	Atf4	1.571162987	1.5931763	1.44964232	1.469953
A_51_P1163	49.2	Detected	50.3	Detected	50	Detected	77.3	Detected	P2rx3	1.571138211	1.01626016	1.53677932	0.9940358
A_55_P2053	4844.1	Detected	6611.1	Detected	7528.7	Detected	7610.7	Detected	Poli	1.571127764	1.55419995	1.15120025	1.1387969
A_55_P1988	31108.5	Detected	43787	Detected	41846.6	Detected	48875.4	Detected	Tpi1	1.571126862	1.34518218	1.11620801	0.9556855
A_55_P2035	972.5	Detected	996.4	Detected	864.7	Detected	1527.3	Detected	E330020D12Rik	1.570488432	0.88915167	1.53281815	0.8678242
A_55_P2018	32080.1	Detected	51809.1	Detected	36492.3	Detected	50379.8	Detected	Gcsh	1.570437748	1.13753698	0.97241218	0.7043608
A_55_P2401	98	Detected	56.1	Detected	90.5	Detected	153.9	Detected	AU015680	1.570408163	0.92346939	2.74331551	1.6131907
A_55_P2059	2332.1	Detected	2461.2	Detected	3341.9	Detected	3662.2	Detected	Arl6	1.570344325	1.4330003	1.48797335	1.3578336
A_55_P2003	9096.5	Detected	8914.3	Detected	14051.8	Detected	14283.1	Detected	Ngrn	1.570175342	1.54474798	1.60226827	1.5763212
A_52_P2449	10.7	Not Detect	23.9	Detected	5	Not Detect	16.8	Not Detect	Aicda	1.570093458	0.46728972	0.70292887	0.209205
A_55_P1958	1702.3	Detected	2103.6	Detected	2892.8	Detected	2671.8	Detected	Prepl	1.569523586	1.69934794	1.27010839	1.3751664
A_51_P2653	81.3	Detected	88.8	Detected	103.8	Detected	127.6	Detected	Ldb3	1.569495695	1.27675277	1.43693694	1.1689189
A_51_P3988	2695.9	Detected	6910.1	Detected	2876.1	Detected	4231.1	Detected	Ctns	1.569457324	1.06684224	0.61230662	0.4162168

A_52_P3741	199.4	Detected	261.9	Detected	279.4	Detected	312.9	Detected	Kbtbd8	1.569207623	1.40120361	1.19473081	1.0668194
A_55_P2077	23.2	Detected	21.9	Detected	14.3	Not Detect	36.4	Not Detect	Phxr4	1.568965517	0.61637931	1.66210046	0.652968
A_55_P2178	60.3	Detected	84.8	Detected	69.1	Detected	94.6	Detected		1.568822554	1.14593698	1.11556604	0.8148585
A_55_P2016	21.8	Detected	20.8	Detected	48.3	Detected	34.2	Not Detect	Gpr31b	1.568807339	2.21559633	1.64423077	2.3221154
A_51_P3409	6065.7	Detected	6042.7	Detected	7597.4	Detected	9515.5	Detected	Selo	1.568738975	1.25251826	1.57470998	1.2572857
A_55_P2212	164.1	Detected	157.8	Detected	153.8	Detected	257.4	Detected	2410087M07Rik	1.568555759	0.93723339	1.63117871	0.9746515
A_55_P2135	174.7	Detected	106.4	Detected	453.5	Detected	274	Detected	Gm3363	1.568402977	2.59587865	2.57518797	4.262218
A_52_P3519	312.3	Detected	305.6	Detected	374.9	Detected	489.8	Detected	Ank3	1.568363753	1.20044829	1.60274869	1.226767
A_55_P2071	796.5	Detected	659.1	Detected	919.1	Detected	1249.2	Detected	Fam86	1.568361582	1.15392341	1.89531179	1.3944773
A_51_P2109	5561.5	Detected	6433.4	Detected	9252.9	Detected	8722.2	Detected	Tsta3	1.5683179	1.6637418	1.35576833	1.4382597
A_55_P2143	146.1	Detected	173.8	Detected	155.5	Detected	229.1	Detected	Syt11	1.568104038	1.06433949	1.31818182	0.8947066
A_55_P2189	38.2	Detected	28	Detected	42.8	Detected	59.9	Detected	9030425P06Rik	1.568062827	1.12041885	2.13928571	1.5285714
A_55_P1971	2563.7	Detected	3140	Detected	3841.6	Detected	4020	Detected	Hdac10	1.568046183	1.49845926	1.28025478	1.2234395
A_55_P1958	51419.7	Detected	55008.6	Detected	62031.3	Detected	80625.4	Detected	Higd1a	1.567986589	1.20637227	1.46568718	1.1276655
A_51_P1049	64.1	Detected	103.2	Detected	60.2	Detected	100.5	Detected	Klra5	1.567862715	0.93915757	0.97383721	0.5833333
A_66_P1206	23.6	Detected	29.4	Detected	19.6	Detected	37	Not Detect	Vax2os	1.56779661	0.83050847	1.2585034	0.6666667
A_55_P1984	31.9	Detected	32.2	Detected	29.4	Detected	50	Not Detect	Gfra3	1.567398119	0.92163009	1.55279503	0.9130435
A_55_P2103	2688.7	Detected	5258.7	Detected	882	Detected	4213.9	Detected	Isg15	1.56726299	0.32803957	0.80131972	0.1677221
A_55_P2043	3449.3	Detected	5069.2	Detected	3241.6	Detected	5405.5	Detected	Atmin	1.567129563	0.93978488	1.06634183	0.6394697
A_55_P2155	723.5	Detected	1588.7	Detected	579.1	Detected	1133.8	Detected	Lck	1.567104354	0.80041465	0.71366526	0.3645119
A_55_P2021	6331.3	Detected	5344	Detected	8423.1	Detected	9921.7	Detected	Abcb8	1.567087328	1.33039028	1.85660554	1.5761789
A_51_P3128	81.3	Detected	20.5	Detected	174.9	Detected	127.4	Detected	Pspn	1.56703567	2.15129151	6.21463415	8.5317073
A_51_P4104	723.6	Detected	737.3	Detected	875.8	Detected	1133.9	Detected	Tube1	1.567025981	1.2103372	1.53790859	1.1878476
A_66_P1274	86.1	Detected	118.7	Detected	101.5	Detected	134.9	Detected	Zbed4	1.566782811	1.17886179	1.13647852	0.8550969
A_55_P1959	79.6	Detected	96	Detected	101.7	Detected	124.7	Detected	Slc16a3	1.566582915	1.27763819	1.29895833	1.059375
A_55_P2075	997.7	Detected	1599.1	Detected	1276.8	Detected	1562.5	Detected	Ube2n	1.566102035	1.27974341	0.97711213	0.7984491
A_52_P6207	3538.2	Detected	5698.1	Detected	4643.5	Detected	5540.6	Detected	Eif2a	1.565937482	1.31239048	0.97235921	0.8149208
A_55_P2185	38	Detected	48.5	Detected	28.2	Detected	59.5	Detected	Wnk1	1.565789474	0.74210526	1.22680412	0.5814433
A_52_P1225	154.8	Detected	193.1	Detected	192.5	Detected	242.3	Detected	Rasgrp4	1.565245478	1.24354005	1.25479026	0.9968928
A_51_P4267	82522.5	Detected	116122.6	Detected	82754.8	Detected	129148.4	Detected	Anxa5	1.565008331	1.00281499	1.11217282	0.7126503
A_52_P3284	3359.3	Detected	4066.1	Detected	2888.7	Detected	5257.1	Detected	Cdk10	1.564939124	0.85991129	1.29290967	0.7104351
A_52_P1639	1418.1	Detected	1203.3	Detected	1623.5	Detected	2219.2	Detected	Cln6	1.564910796	1.14484169	1.84426161	1.3492063
A_52_P2767	7520.3	Detected	7720.4	Detected	11612.3	Detected	11766.7	Detected	Foxp1	1.564658325	1.54412723	1.52410497	1.504106
A_51_P2224	13389.7	Detected	16249.4	Detected	17579.8	Detected	20947.3	Detected	Ehbp111	1.564433856	1.31293457	1.28911221	1.0818738
A_52_P1002	1074.1	Detected	1156.7	Detected	1049.2	Detected	1680.1	Detected	Fasn	1.564193278	0.9768178	1.45249416	0.9070632
A_66_P1174	427.4	Detected	423.1	Detected	995.4	Detected	668.5	Detected	Pvrl3	1.564108563	2.32896584	1.58000473	2.3526353
A_55_P1952	197.7	Detected	366.7	Detected	299	Detected	309.2	Detected	AI854703	1.563985837	1.51239251	0.84319607	0.8153804
A_51_P3674	22	Detected	32.4	Detected	34.2	Detected	34.4	Not Detect	Cldnd2	1.563636364	1.55454545	1.0617284	1.0555556
A_51_P3422	8087.9	Detected	8313.1	Detected	8814.7	Detected	12645	Detected	Setd6	1.56344663	1.08986263	1.52109321	1.0603385
A_55_P2128	19059.1	Detected	29740.8	Detected	21113.2	Detected	29797.4	Detected	LOC674321	1.563421148	1.10777529	1.00190311	0.7099069

A_55_P2068	628.7 Detected	767 Detected	531.2 Detected	982.9 Detected	Pigv	1.563384762	0.84491808	1.28148631	0.6925684
A_55_P2171	7.1 Not Detect	57 Detected	3.3 Not Detect	11.1 Not Detect	Wipf1	1.563380282	0.46478873	0.19473684	0.0578947
A_55_P2058	791.1 Detected	807.8 Detected	885.8 Detected	1236.7 Detected	Pclo	1.563266338	1.11970674	1.53094825	1.0965586
A_55_P2017	49 Detected	56.9 Detected	60.7 Detected	76.6 Detected	Ezh1	1.563265306	1.23877551	1.34622144	1.0667838
A_52_P4461	5253.6 Detected	6519.6 Detected	7783.2 Detected	8212.5 Detected	Commd6	1.563213796	1.4814984	1.25966317	1.1938156
A_55_P1977	1989.5 Detected	2546 Detected	2626 Detected	3109.9 Detected	Apba3	1.563156572	1.31992963	1.22148468	1.0314218
A_51_P3703	17062.1 Detected	14352.2 Detected	16786.5 Detected	26662.3 Detected	Galnt2	1.562662275	0.98384724	1.85771519	1.1696116
A_55_P2000	67.9 Detected	84.9 Detected	76.5 Detected	106.1 Detected	Slc36a1	1.562592047	1.12665685	1.24970554	0.9010601
A_55_P2136	10253.6 Detected	10419.5 Detected	9718.2 Detected	16020.5 Detected	Tmem128	1.562426855	0.94778419	1.53754979	0.9326935
A_55_P1964	5310.3 Detected	10011.9 Detected	7360.3 Detected	8296.5 Detected	Rangrf	1.562341111	1.38604222	0.82866389	0.7351552
A_55_P2024	1373.9 Detected	1274.3 Detected	1597.9 Detected	2146.5 Detected	Vps33b	1.562340782	1.16303952	1.68445421	1.2539433
A_52_P2405	766.2 Detected	909.9 Detected	901.2 Detected	1197 Detected	Zfp317	1.562255286	1.17619421	1.31552918	0.9904385
A_52_P5967	9721.3 Detected	11860.1 Detected	16020.3 Detected	15186 Detected	Dnph1	1.562136751	1.64795861	1.28042765	1.3507728
A_55_P1974	15856.8 Detected	20272.3 Detected	19280.2 Detected	24769.8 Detected	Ndufb6	1.562093234	1.21589476	1.22185445	0.9510613
A_52_P6747	1384.5 Detected	2741.8 Detected	1774.8 Detected	2162.6 Detected	Btbd3	1.562007945	1.28190683	0.78875191	0.647312
A_55_P1996	171.2 Detected	196.8 Detected	141.3 Detected	267.4 Detected	Olf1443	1.561915888	0.82535047	1.35873984	0.7179878
A_52_P1126	3150.4 Detected	2848.3 Detected	3248.8 Detected	4920.1 Detected	Lman2	1.561738192	1.03123413	1.72738124	1.1406102
A_55_P2256	73 Detected	78.4 Detected	93.8 Detected	114 Detected	LOC100049077	1.561643836	1.28493151	1.45408163	1.1964286
A_55_P2173	27.6 Detected	26.8 Detected	28.2 Detected	43.1 Not Detect	Prdm15	1.561594203	1.02173913	1.60820896	1.0522388
A_55_P2190	217.6 Detected	324.7 Detected	110.6 Detected	339.8 Detected	4921509J17Rik	1.561580882	0.50827206	1.04650447	0.3406221
A_51_P1788	230.3 Detected	229.4 Detected	257.5 Detected	359.6 Detected	H1foo	1.561441598	1.11810682	1.56756757	1.1224935
A_66_P1212	28.5 Detected	27.3 Detected	23.6 Detected	44.5 Not Detect	Tceal6	1.561403509	0.82807018	1.63003663	0.8644689
A_66_P1334	9.8 Not Detect	9.2 Not Detect	19.6 Detected	15.3 Not Detect	170002211Rik	1.56122449	2	1.66304348	2.1304348
A_55_P2046	3282.9 Detected	5000.3 Detected	3483.1 Detected	5125.3 Detected	Amfr	1.561211124	1.06098267	1.0249985	0.6965782
A_52_P5825	743.7 Detected	1001.9 Detected	694.8 Detected	1160.8 Detected	Rbm48	1.560844427	0.93424768	1.15859866	0.6934824
A_51_P3911	1102.3 Detected	267.2 Detected	1891.9 Detected	1720.5 Detected	Ang	1.560827361	1.71632042	6.43899701	7.0804641
A_55_P2196	74 Detected	74 Detected	57.9 Detected	115.5 Detected	Kcnq1ot1	1.560810811	0.78243243	1.56081081	0.7824324
A_55_P2111	5846.4 Detected	5360.9 Detected	6032.5 Detected	9124.6 Detected	Ppp1r2	1.560721128	1.03183155	1.70206495	1.1252775
A_51_P3408	11020.2 Detected	5100 Detected	20375.2 Detected	17199.4 Detected	AA986860	1.560715776	1.84889566	3.37243137	3.9951373
A_52_P2488	87.4 Detected	90.3 Detected	133.5 Detected	136.4 Detected	Lmbr1	1.560640732	1.52745995	1.51052049	1.4784053
A_55_P2171	744 Detected	804.3 Detected	833.1 Detected	1161.1 Detected	Grm2	1.56061828	1.11975806	1.44361557	1.0358075
A_55_P2006	2171.8 Detected	2186.1 Detected	2723.9 Detected	3388.7 Detected	Ogdh	1.56031863	1.2542131	1.55011207	1.2460089
A_55_P2067	1435.4 Detected	2380.6 Detected	2252.4 Detected	2239.6 Detected	Phykpl	1.560261948	1.56917932	0.94077123	0.946148
A_66_P1047	52.3 Detected	61.2 Detected	66.5 Detected	81.6 Detected	Ermard	1.560229446	1.27151052	1.33333333	1.0866013
A_51_P1291	5116.8 Detected	7157.9 Detected	5539.6 Detected	7983.3 Detected	Gatad2a	1.560213415	1.08262977	1.11531315	0.7739141
A_55_P2422	65.9 Detected	87.5 Detected	58.8 Detected	102.8 Detected	C130021H21Rik	1.559939302	0.892261	1.17485714	0.672
A_55_P1976	331.4 Detected	340 Detected	485.1 Detected	516.8 Detected	Nsdhl	1.55944478	1.46378998	1.52	1.4267647
A_52_P3249	237.2 Detected	226 Detected	291.8 Detected	369.9 Detected	Srprb	1.559443508	1.2301855	1.63672566	1.2911504
A_51_P4064	1762.6 Detected	2128.6 Detected	2285.2 Detected	2748.6 Detected	Pdk1	1.559400885	1.29649382	1.29127126	1.0735695
A_52_P4363	896 Detected	1367 Detected	1564.6 Detected	1397.2 Detected	Rps25	1.559375	1.74620536	1.02209217	1.1445501

A_52_P2731	1485.8	Detected	1577.7	Detected	1677.9	Detected	2316.7	Detected	Sh3d19	1.559227352	1.12929062	1.46840337	1.0635102
A_55_P1957	1567.7	Detected	1371.6	Detected	2465.5	Detected	2444.3	Detected	Asap2	1.559163105	1.5726861	1.78207932	1.7975357
A_55_P1994	394.6	Detected	405.9	Detected	709.5	Detected	615.2	Detected	Mamdc4	1.559047136	1.79802331	1.51564425	1.7479675
A_51_P3639	541.1	Detected	489.8	Detected	126.7	Detected	843.6	Detected	Cdkn1a	1.559046387	0.23415265	1.72233565	0.258677
A_52_P9862	584.3	Detected	545.1	Detected	767.6	Detected	910.9	Detected	Sowahc	1.558959439	1.31370871	1.67106953	1.408182
A_51_P2849	3051.2	Detected	4550.3	Detected	4053.7	Detected	4756.6	Detected	Nrbf2	1.558927635	1.32855926	1.04533767	0.8908643
A_55_P2062	43.3	Detected	76.6	Detected	50.4	Detected	67.5	Detected	C1qtnf3	1.558891455	1.16397229	0.88120104	0.6579634
A_52_P1184	2086.9	Detected	2734.8	Detected	2155	Detected	3252.7	Detected	Ipmk	1.558627629	1.03263213	1.18937399	0.7879918
A_51_P1810	2264.2	Detected	3041.2	Detected	3032.9	Detected	3528.2	Detected	Ccdc132	1.558254571	1.33950181	1.16013416	0.9972708
A_55_P2051	3355.7	Detected	2500.3	Detected	2756.4	Detected	5228.2	Detected	Golgb1	1.558005781	0.82140835	2.09102908	1.1024277
A_51_P2488	5773.4	Detected	4466.9	Detected	4662.9	Detected	8994.5	Detected	Foxf2	1.557920809	0.80765234	2.01358884	1.0438783
A_66_P1033	791.2	Detected	803.9	Detected	660	Detected	1232.5	Detected	Dicer1	1.557760364	0.83417594	1.53315089	0.8209976
A_55_P2125	2450.9	Detected	3313.8	Detected	2236.2	Detected	3816.8	Detected	Lrrc8e	1.55730548	0.91239953	1.15178949	0.6748144
A_51_P4809	1708.6	Detected	1621.8	Detected	1795.7	Detected	2660.7	Detected	Zfyve16	1.557239845	1.05097741	1.64058454	1.1072265
A_66_P1274	689.2	Detected	597	Detected	744.5	Detected	1073.2	Detected	Acat2	1.557167731	1.08023796	1.79765494	1.2470687
A_55_P1972	282.7	Detected	284.1	Detected	260.3	Detected	440.2	Detected	Sh3bp1	1.557127697	0.92076406	1.54945442	0.9162267
A_52_P2076	2100.8	Detected	3538.9	Detected	2178.8	Detected	3271	Detected	Csnk2a2	1.557025895	1.03712871	0.92429851	0.6156715
A_55_P2182	203.5	Detected	296.3	Detected	263.4	Detected	316.8	Detected	Adat1	1.556756757	1.29434889	1.06918664	0.8889639
A_51_P4546	1972.9	Detected	2318	Detected	2353.7	Detected	3071.3	Detected	4930430F08Rik	1.55674388	1.19301536	1.32497843	1.0154012
A_52_P3208	892	Detected	1174.2	Detected	1398.8	Detected	1388.6	Detected	Crbn	1.556726457	1.56816143	1.1825924	1.1912792
A_55_P1978	9.7	Not Detect	9.1	Not Detect	19.3	Detected	15.1	Not Detect	C2cd4c	1.556701031	1.98969072	1.65934066	2.1208791
A_55_P2133	3407.6	Detected	3538.8	Detected	4664.2	Detected	5304	Detected	Arhgef39	1.556520718	1.36876394	1.49881316	1.3180174
A_51_P3310	3789.5	Detected	3637.9	Detected	4472.6	Detected	5897.9	Detected	Ttc32	1.55637947	1.18026125	1.62123753	1.2294456
A_55_P2085	14375.9	Detected	15375.8	Detected	19376.1	Detected	22372.8	Detected	Lamtor2	1.55627126	1.34781822	1.45506575	1.2601686
A_51_P1604	2234.5	Detected	1785.4	Detected	1510.1	Detected	3477.1	Detected	Crybg3	1.556097561	0.67581114	1.94751876	0.8458049
A_51_P2416	1020.2	Detected	806.7	Detected	1115.6	Detected	1587.5	Detected	Prkdc	1.556067438	1.09351108	1.96789389	1.3829181
A_55_P1965	553	Detected	667.5	Detected	953.1	Detected	860.5	Detected	Rap1gap2	1.556057866	1.72350814	1.28913858	1.4278652
A_55_P2129	137.5	Detected	182.8	Detected	153.4	Detected	213.9	Detected	Zbtb44	1.555636364	1.11563636	1.17013129	0.8391685
A_55_P2065	1724.9	Detected	2141	Detected	1320.8	Detected	2683.3	Detected	Myo9b	1.555626413	0.76572555	1.25329285	0.616908
A_66_P1083	657	Detected	1831	Detected	791.6	Detected	1021.8	Detected	Sgcb	1.555251142	1.20487062	0.55805571	0.4323321
A_55_P2175	214.9	Detected	134.5	Detected	246.3	Detected	334.2	Detected	Gm2379	1.555141926	1.14611447	2.48475836	1.8312268
A_51_P3962	1044.8	Detected	1218.5	Detected	858.6	Detected	1624.8	Detected	Hsd1l	1.555130168	0.82178407	1.33344276	0.7046368
A_55_P2343	20	Detected	16.6	Not Detect	18.9	Detected	31.1	Not Detect	F930015N05Rik	1.555	0.945	1.87349398	1.1385542
A_52_P1549	1024	Detected	1008.8	Detected	2185.8	Detected	1592.2	Detected	Pvrl3	1.554882813	2.13457031	1.57831086	2.1667328
A_51_P3950	16.4	Detected	14.6	Not Detect	15.6	Not Detect	25.5	Not Detect	Wdtdc1	1.554878049	0.95121951	1.74657534	1.0684932
A_55_P2262	543.3	Detected	1033.9	Detected	475.7	Detected	844.7	Detected	5430434G16Rik	1.554757961	0.87557519	0.81700358	0.4601025
A_55_P1979	89.6	Detected	88.3	Detected	91.7	Detected	139.3	Detected	Tbata	1.5546875	1.0234375	1.57757644	1.0385051
A_55_P2004	17794.8	Detected	16871.9	Detected	16421.8	Detected	27664.6	Detected	Hexim2	1.554645177	0.92284263	1.63968492	0.9733225
A_52_P5813	620.8	Detected	560.2	Detected	510.3	Detected	965.1	Detected	Kif1c	1.554606959	0.82200387	1.72277758	0.9109247
A_51_P3574	6722.7	Detected	7431.5	Detected	5862.6	Detected	10450.1	Detected	Coprs	1.554449849	0.87206033	1.40618987	0.7888852

A_51_P1135	7.4 Not Detect	15.8 Not Detect	51.6 Detected	11.5 Not Detect	Oit1	1.554054054	6.97297297	0.7278481	3.2658228
A_55_P2005	599.8 Detected	1549.4 Detected	19.1 Detected	932 Detected	Zfp422	1.553851284	0.03184395	0.60152317	0.0123274
A_55_P1994	6.5 Not Detect	32 Detected	3.6 Not Detect	10.1 Not Detect	Klhl23	1.553846154	0.55384615	0.315625	0.1125
A_55_P2073	34.5 Detected	33.4 Detected	33.6 Detected	53.6 Detected	Slc27a5	1.553623188	0.97391304	1.60479042	1.005988
A_51_P3453	2237.3 Detected	3689 Detected	2303 Detected	3475.8 Detected	Upk3bl	1.553569034	1.02936575	0.94220656	0.6242884
A_55_P2028	3587 Detected	3187.7 Detected	4318.2 Detected	5572 Detected	Kdm4b	1.553387232	1.20384723	1.74796875	1.3546444
A_66_P1371	14269.2 Detected	16438.1 Detected	16773 Detected	22163.3 Detected	Zbtb8os	1.55322653	1.17546884	1.34828843	1.0203734
A_52_P3031	22291.6 Detected	22054.4 Detected	28785.8 Detected	34622.4 Detected	1810037117Rik	1.553159037	1.29132947	1.56986361	1.305218
A_52_P2974	1484.8 Detected	1432.9 Detected	1675.1 Detected	2306.1 Detected	0610030E20Rik	1.55313847	1.12816541	1.60939354	1.1690278
A_51_P3360	51.2 Detected	86.6 Detected	42.1 Detected	79.5 Detected	Lcat	1.552734375	0.82226563	0.91801386	0.4861432
A_55_P2090	346.4 Detected	420.6 Detected	432 Detected	537.8 Detected	Nat9	1.552540416	1.24711316	1.27864955	1.0271041
A_55_P2019	170.7 Detected	293.9 Detected	248.2 Detected	265 Detected	Apol7b	1.552431166	1.45401289	0.90166723	0.8445049
A_51_P5179	24.8 Detected	17.4 Not Detect	21.4 Detected	38.5 Not Detect	Tpcn2	1.552419355	0.86290323	2.21264368	1.2298851
A_51_P3496	5238.7 Detected	5306.8 Detected	5813.3 Detected	8131.7 Detected	Ano10	1.552236242	1.1096837	1.53231703	1.0954436
A_52_P1957	391.9 Detected	442.3 Detected	488.7 Detected	608.3 Detected	Atp5s	1.552181679	1.24700179	1.37531087	1.1049062
A_51_P4087	288.2 Detected	383.7 Detected	285.5 Detected	447.3 Detected	4933439C10Rik	1.552047189	0.99063151	1.1657545	0.7440709
A_51_P3887	1675.5 Detected	1843.5 Detected	2049.7 Detected	2600.3 Detected	Slc11a2	1.55195464	1.22333632	1.41052346	1.1118525
A_55_P2143	49.3 Detected	81.1 Detected	109.1 Detected	76.5 Detected	Rasgrp2	1.551724138	2.21298174	0.9432799	1.3452528
A_52_P5047	1030 Detected	1027 Detected	1040.1 Detected	1597.8 Detected	Rnf123	1.551262136	1.00980583	1.55579357	1.0127556
A_51_P4531	5267.3 Detected	4255.7 Detected	4987.9 Detected	8170.5 Detected	Hexb	1.551174226	0.94695575	1.91989567	1.1720516
A_55_P2126	836.8 Detected	952.6 Detected	957.2 Detected	1297.7 Detected	1700066B19Rik	1.550788719	1.14388145	1.36227168	1.0048289
A_55_P1969	20228.9 Detected	24836.7 Detected	29475.3 Detected	31367.6 Detected	Paox	1.550633005	1.45708862	1.26295361	1.1867639
A_55_P1996	51.4 Detected	55.9 Detected	46.9 Detected	79.7 Detected	5730422E09Rik	1.550583658	0.91245136	1.42576029	0.8389982
A_55_P2098	51.4 Detected	66.7 Detected	52.5 Detected	79.7 Detected	Asic5	1.550583658	1.02140078	1.19490255	0.7871064
A_55_P2022	6267.8 Detected	7116 Detected	5853 Detected	9717.8 Detected	Elovl1	1.550432369	0.93382048	1.36562676	0.8225126
A_55_P2045	1312.7 Detected	1707.9 Detected	1134.5 Detected	2035.2 Detected	Hmgxb4	1.550392321	0.86424926	1.19163885	0.6642661
A_52_P2745	2902.5 Detected	2588.7 Detected	3606 Detected	4499.4 Detected	Snx14	1.550180879	1.24237726	1.73809248	1.3929772
A_51_P2103	659.7 Detected	602.1 Detected	1005 Detected	1022.6 Detected	2610306M01Rik	1.55009853	1.52341974	1.69838897	1.6691579
A_55_P2022	1136.8 Detected	1037.7 Detected	1869.8 Detected	1762.1 Detected	Ptrh2	1.55005278	1.6447924	1.6980823	1.8018695
A_66_P1295	704.3 Detected	809 Detected	919.1 Detected	1091.7 Detected	Hyls1	1.550049695	1.30498367	1.34944376	1.1360939
A_51_P4137	8963.9 Detected	10780.3 Detected	9191.6 Detected	13893.5 Detected	Ap3d1	1.549939201	1.02540189	1.28878603	0.8526293
A_55_P2177	100.2 Detected	131.3 Detected	69.3 Detected	155.3 Detected	Dact3	1.5499002	0.69161677	1.18278751	0.5277989
A_55_P1971	41.1 Detected	45.4 Detected	27.3 Detected	63.7 Detected	Atp2b2	1.549878345	0.66423358	1.4030837	0.6013216
A_55_P1988	36584.5 Detected	36275.8 Detected	35304.4 Detected	56699.9 Detected	BC053749	1.549833946	0.96500977	1.56302273	0.9732218
A_51_P2083	16554.6 Detected	12250.8 Detected	26509.5 Detected	25650.8 Detected	Ak3	1.549466614	1.60133739	2.09380612	2.1638995
A_55_P2084	623.9 Detected	638.5 Detected	559.2 Detected	966.7 Detected	Pdik1l	1.549447027	0.89629748	1.51401723	0.8758027
A_55_P2124	1314.3 Detected	1193.6 Detected	1277.8 Detected	2036.4 Detected	Invs	1.549417941	0.97222856	1.7060992	1.0705429
A_55_P1969	2294.5 Detected	2320.9 Detected	2431.9 Detected	3555 Detected	Tbx3	1.549357158	1.05988233	1.53173338	1.0478263
A_66_P1289	103.4 Detected	153.9 Detected	148.3 Detected	160.2 Detected	Mipep	1.549323017	1.43423598	1.04093567	0.9636127
A_55_P2000	301.1 Detected	324.8 Detected	333.9 Detected	466.5 Detected	Gabarap	1.549319163	1.10893391	1.43626847	1.0280172

A_55_P2146	138.8	Detected	118.3	Detected	89.5	Detected	215	Detected	Trim7	1.548991354	0.64481268	1.81741336	0.7565511
A_51_P3424	8517.3	Detected	6953.6	Detected	12073.6	Detected	13192.7	Detected	Gpd2	1.548929825	1.41753842	1.89724747	1.7363092
A_55_P2056	4569.9	Detected	6503.9	Detected	5988.1	Detected	7078.1	Detected	Flad1	1.548852272	1.31033502	1.08828549	0.9206937
A_55_P1970	166.2	Detected	229.8	Detected	167.8	Detected	257.4	Detected	Cdh8	1.548736462	1.00962696	1.12010444	0.7302002
A_51_P2177	670.7	Detected	685.4	Detected	625.6	Detected	1038.7	Detected	Ribc1	1.548680483	0.93275682	1.51546542	0.9127517
A_55_P2060	17203.4	Detected	15304.4	Detected	19628.1	Detected	26637	Detected	Tprgl	1.54835672	1.14094307	1.74047986	1.2825135
A_55_P1961	330.5	Detected	92.5	Detected	385.7	Detected	511.6	Detected	Adamts7	1.54795764	1.16701967	5.53081081	4.1697297
A_55_P2030	97863.4	Detected	95152.5	Detected	135881	Detected	151484.5	Detected	Gpi1	1.547917812	1.38847618	1.59201808	1.4280339
A_55_P2058	2082.4	Detected	1322.7	Detected	1917.7	Detected	3223.1	Detected	Ralgds	1.547781406	0.92090857	2.43675815	1.4498375
A_55_P1971	24.1	Detected	19.7	Detected	18.8	Detected	37.3	Not Detect	Cr2	1.547717842	0.78008299	1.89340102	0.9543147
A_55_P2067	29.4	Detected	388.6	Detected	28.8	Detected	45.5	Not Detect	Mxra7	1.547619048	0.97959184	0.11708698	0.0741122
A_51_P2546	5681.1	Detected	3700	Detected	7020.6	Detected	8792	Detected	Jdp2	1.547587615	1.2357818	2.37621622	1.8974595
A_55_P2404	210.2	Detected	162	Detected	335.6	Detected	325.3	Detected	1700001L05Rik	1.547573739	1.59657469	2.00802469	2.0716049
A_52_P9390	12049.7	Detected	16649	Detected	17520.9	Detected	18646	Detected	Alg5	1.547424417	1.4540528	1.11994714	1.0523695
A_55_P2176	1665.6	Detected	2040.6	Detected	2485.3	Detected	2577.2	Detected	Slc33a1	1.547310279	1.49213497	1.26296187	1.2179261
A_55_P2170	1230.1	Detected	414.8	Detected	1518.9	Detected	1903.3	Detected	Ppfibp2	1.547272579	1.23477766	4.58847637	3.6617647
A_55_P2359	108	Detected	193.6	Detected	116.7	Detected	167.1	Detected	C230073G13Rik	1.547222222	1.08055556	0.86311983	0.6027893
A_55_P2002	4469.5	Detected	5772.9	Detected	4545.2	Detected	6915.1	Detected	Zfp747	1.547175299	1.01693702	1.1978555	0.7873339
A_55_P2024	678.7	Detected	1081.4	Detected	541.8	Detected	1050	Detected	Napepld	1.547075291	0.79829085	0.97096357	0.5010172
A_55_P1993	8649	Detected	7731.4	Detected	8758.1	Detected	13380.1	Detected	Tbc1d14	1.547011215	1.01261418	1.730618	1.1327961
A_52_P4786	742.1	Detected	748.1	Detected	871.1	Detected	1147.9	Detected	Arcn1	1.546826573	1.17383102	1.53442053	1.1644165
A_55_P2052	48.1	Detected	64.3	Detected	18.2	Detected	74.4	Detected	Lrrc14b	1.546777547	0.37837838	1.15707621	0.2830482
A_52_P7154	1422.3	Detected	1905	Detected	2124.1	Detected	2199.9	Detected	Slc25a26	1.546720101	1.49342614	1.15480315	1.1150131
A_55_P1964	73.9	Detected	67.2	Detected	84.7	Detected	114.3	Detected	Slc23a3	1.546684709	1.14614344	1.70089286	1.2604167
A_55_P2071	49.4	Detected	40.2	Detected	53	Detected	76.4	Detected	Gab2	1.546558704	1.07287449	1.90049751	1.318408
A_52_P3238	379.2	Detected	496	Detected	550.9	Detected	586.3	Detected	Ufm1	1.546149789	1.45279536	1.18205645	1.1106855
A_55_P1999	15226.2	Detected	12773.1	Detected	15863.4	Detected	23541.9	Detected	Adrbk1	1.546144146	1.04184892	1.84308429	1.2419381
A_55_P1985	4475.2	Detected	5107	Detected	3901.9	Detected	6918.8	Detected	Gatad1	1.546031462	0.87189399	1.35476797	0.7640298
A_66_P1399	1676.9	Detected	1703.7	Detected	2195.7	Detected	2591.5	Detected	Arl6	1.545411175	1.3093804	1.52110113	1.2887832
A_55_P1955	12077.2	Detected	15030.7	Detected	17789.3	Detected	18664	Detected	Afg3l2	1.545391316	1.47296559	1.24172527	1.183531
A_51_P4372	2576.1	Detected	4300.3	Detected	2651.9	Detected	3980.6	Detected	Smco4	1.545203991	1.02942432	0.92565635	0.6166779
A_55_P2103	120.2	Detected	106.7	Detected	87.7	Detected	185.7	Detected	Gm831	1.544925125	0.7296173	1.74039363	0.8219306
A_55_P2177	959.6	Detected	601.1	Detected	863.9	Detected	1482.3	Detected	Gm10725	1.544706128	0.90027095	2.46597904	1.4371985
A_55_P2000	875	Detected	874.6	Detected	901.1	Detected	1351.6	Detected	Gskip	1.544685714	1.02982857	1.54539218	1.0302996
A_55_P2184	3325	Detected	4257.2	Detected	5563.1	Detected	5135.7	Detected	Cdadc1	1.544571429	1.67311278	1.20635629	1.3067509
A_55_P1997	6004.9	Detected	7011.6	Detected	5423.3	Detected	9274.4	Detected	Vps9d1	1.544472015	0.90314576	1.32272235	0.7734754
A_55_P2032	9063.2	Detected	10061.1	Detected	10149.2	Detected	13997.7	Detected	Zbtb8os	1.544454497	1.11982523	1.39126934	1.0087565
A_51_P3878	563.6	Detected	596.1	Detected	678.3	Detected	870.4	Detected	Tekt4	1.5443577	1.20351313	1.46015769	1.1378963
A_52_P1100	1951.9	Detected	1790	Detected	2557.6	Detected	3014.3	Detected	Ndufaf3	1.544290179	1.31031303	1.68396648	1.4288268
A_55_P2078	334.1	Detected	328.9	Detected	430	Detected	515.9	Detected	Tstd1	1.544148459	1.28703981	1.56856187	1.3073883

A_55_P2071	51.5 Detected	59.3 Detected	50.8 Detected	79.5 Detected	Spocd1	1.54368932	0.98640777	1.34064081	0.856661
A_55_P2102	2195.6 Detected	2269.7 Detected	3249.4 Detected	3388.8 Detected	Prorsd1	1.543450537	1.47995992	1.49306076	1.4316429
A_55_P2097	143.2 Detected	170.1 Detected	130.1 Detected	221 Detected	Tulp1	1.543296089	0.90851955	1.29923574	0.7648442
A_55_P2150	99.8 Detected	97.6 Detected	156.7 Detected	154 Detected	Mul1	1.543086172	1.57014028	1.57786885	1.6055328
A_51_P2979	2521.8 Detected	2702.2 Detected	3502.3 Detected	3891.3 Detected	Recql	1.543064478	1.38880958	1.44004885	1.2960921
A_55_P2180	1992.6 Detected	2985.1 Detected	3560.4 Detected	3074.7 Detected	Pex3	1.543059319	1.7868112	1.03001574	1.1927239
A_52_P1065	4241.4 Detected	5378.1 Detected	5904.5 Detected	6543.6 Detected	Chrac1	1.542792474	1.3921111	1.21671222	1.0978784
A_55_P2001	28.2 Detected	21.3 Detected	32.8 Detected	43.5 Not Detect	Cpz	1.542553191	1.16312057	2.04225352	1.5399061
A_55_P1984	6812.4 Detected	6650.9 Detected	6453.3 Detected	10507.7 Detected	Pdcd4	1.54243732	0.9472873	1.57989144	0.9702897
A_55_P1954	349.4 Detected	1117.3 Detected	3.7 Not Detect	538.9 Detected	Ldhd	1.542358329	0.01058958	0.48232346	0.0033116
A_55_P2030	52 Detected	53.6 Detected	81 Detected	80.2 Detected	Nedd4l	1.542307692	1.55769231	1.49626866	1.511194
A_55_P2075	404.4 Detected	405.1 Detected	408.7 Detected	623.6 Detected	Gpatch2	1.542037587	1.01063304	1.53937299	1.0088867
A_55_P2132	3151 Detected	3027.6 Detected	2603.8 Detected	4858.7 Detected	Szt2	1.541954935	0.82634084	1.60480248	0.8600211
A_55_P2098	26804.1 Detected	25113.4 Detected	29411.9 Detected	41327.8 Detected	Galnt10	1.54184621	1.09729109	1.64564734	1.1711636
A_52_P6106	56.3 Detected	38.5 Detected	31.3 Detected	86.8 Detected	Evc	1.541740675	0.55595027	2.25454545	0.812987
A_55_P2304	173.9 Detected	201.1 Detected	179.7 Detected	268.1 Detected	5730407M17Rik	1.541690627	1.0333525	1.33316758	0.8935853
A_55_P2117	40.8 Detected	28.3 Detected	27.3 Detected	62.9 Detected	Fcer2a	1.541666667	0.66911765	2.22261484	0.9646643
A_66_P1176	9.6 Not Detect	21.4 Detected	8.5 Not Detect	14.8 Not Detect	Csnk2a2	1.541666667	0.88541667	0.69158879	0.3971963
A_55_P2083	120.6 Detected	107.8 Detected	98.3 Detected	185.9 Detected	Rad1	1.54145937	0.81509121	1.7244898	0.9118738
A_55_P1980	2993.8 Detected	4125.8 Detected	3331.7 Detected	4614.3 Detected	Rbms2	1.541285323	1.11286659	1.11840128	0.8075282
A_55_P2110	55.8 Detected	53.7 Detected	67.1 Detected	86 Detected	Rasgrp1	1.541218638	1.20250896	1.60148976	1.2495345
A_55_P2047	253.7 Detected	280.9 Detected	241.1 Detected	391 Detected	Ankrd23	1.541190382	0.95033504	1.39195443	0.8583126
A_52_P3669	13509.7 Detected	12670.7 Detected	15970.7 Detected	20820.6 Detected	Gna11	1.541159315	1.18216541	1.64320835	1.2604434
A_55_P1992	99149.7 Detected	100157.6 Detected	141467.7 Detected	152785.4 Detected	Gpi1	1.540956755	1.42680916	1.52544989	1.412451
A_55_P2153	630.4 Detected	703 Detected	523.6 Detected	971.4 Detected	Ermap	1.540926396	0.83058376	1.38179232	0.744808
A_55_P2076	2761.5 Detected	2948.1 Detected	3395.2 Detected	4254.9 Detected	Vps25	1.540793047	1.22947673	1.44326855	1.151657
A_55_P2372	327.2 Detected	313.3 Detected	539.8 Detected	504 Detected	5330438D12Rik	1.540342298	1.6497555	1.60868177	1.7229492
A_55_P2168	646.1 Detected	917.2 Detected	617 Detected	995.2 Detected	Prmt7	1.540318836	0.95496053	1.08504143	0.6726995
A_51_P1109	2422.3 Detected	2625.9 Detected	3464.8 Detected	3730.4 Detected	Znrd1as	1.540023944	1.43037609	1.42061769	1.3194714
A_55_P2025	4332.4 Detected	4294.5 Detected	3955.7 Detected	6670.2 Detected	Tacr2	1.539608531	0.9130505	1.55319595	0.9211084
A_55_P2062	277.8 Detected	246.5 Detected	277.5 Detected	427.7 Detected	Dbdd2	1.539596832	0.99892009	1.73509128	1.1257606
A_51_P5121	127.7 Detected	179.1 Detected	162.7 Detected	196.6 Detected	Tet1	1.53954581	1.27407987	1.09771078	0.908431
A_51_P2319	103.8 Detected	115.3 Detected	105 Detected	159.8 Detected	1700029P11Rik	1.539499037	1.01156069	1.3859497	0.9106678
A_55_P2030	67.1 Detected	100.3 Detected	110.2 Detected	103.3 Detected	2700046G09Rik	1.539493294	1.64232489	1.02991027	1.0987039
A_52_P6173	1454.1 Detected	1357.6 Detected	1833.7 Detected	2238.3 Detected	Rcan1	1.539302661	1.26105495	1.64871833	1.3506924
A_55_P2164	11.5 Not Detect	21.2 Detected	15.5 Not Detect	17.7 Not Detect	Scrt1	1.539130435	1.34782609	0.83490566	0.7311321
A_55_P2302	244.7 Detected	208.8 Detected	231.8 Detected	376.6 Detected	AI426330	1.53902738	0.94728239	1.80363985	1.1101533
A_51_P4501	16424.9 Detected	14820.8 Detected	18932.8 Detected	25275.9 Detected	Mrpl36	1.538876949	1.15268891	1.70543425	1.2774479
A_55_P2036	20.6 Detected	28.6 Detected	21.7 Detected	31.7 Not Detect	Synb	1.538834951	1.05339806	1.10839161	0.7587413
A_55_P2225	595.6 Detected	590 Detected	608 Detected	916.5 Detected	5430439M09Rik	1.538784419	1.02081934	1.55338983	1.0305085

A_52_P6451	1927.9	Detected	1957.3	Detected	2203.9	Detected	2966.2	Detected	Sec24a	1.538565278	1.14316095	1.51545496	1.1259899
A_55_P1994	112840.4	Detected	159555.5	Detected	153450.4	Detected	173608	Detected	Mif	1.538526981	1.35988883	1.0880728	0.9617368
A_55_P2062	2798.1	Detected	3913	Detected	4953.8	Detected	4304.3	Detected	Gm6524	1.538293842	1.77041564	1.1	1.2659852
A_52_P6034	152.1	Detected	148.1	Detected	178.6	Detected	233.9	Detected	Gm166	1.537804076	1.17422748	1.57933828	1.2059419
A_55_P2372	205.5	Detected	175.8	Detected	143.9	Detected	316	Detected	5730480H06Rik	1.537712895	0.70024331	1.79749716	0.8185438
A_66_P1309	897	Detected	955.3	Detected	1222.8	Detected	1379.2	Detected	Cyb5r4	1.537569677	1.3632107	1.44373495	1.2800167
A_51_P3128	5145.3	Detected	4588	Detected	7282.8	Detected	7910.9	Detected	Fbxo9	1.537500243	1.41542767	1.72425894	1.5873583
A_55_P2041	234.8	Detected	255.7	Detected	335	Detected	361	Detected	Ttc38	1.537478705	1.42674617	1.41181072	1.3101291
A_51_P3350	644.9	Detected	662.6	Detected	641.7	Detected	991.4	Detected	Zcchc4	1.537292604	0.99503799	1.49622698	0.9684576
A_65_P0303	1500	Detected	1491.7	Detected	1833.2	Detected	2305.9	Detected	Ncapd3	1.537266667	1.22213333	1.54582021	1.2289334
A_55_P2086	6608.7	Detected	7479.5	Detected	6521.5	Detected	10157.9	Detected	Pan3	1.537049647	0.98680527	1.3580988	0.8719166
A_55_P2343	3587.1	Detected	4915.1	Detected	4482.4	Detected	5512.4	Detected	Akap1	1.536728834	1.2495888	1.12152347	0.9119652
A_55_P2015	4099.8	Detected	5337.6	Detected	6208.7	Detected	6299.9	Detected	1500011K16Rik	1.536635933	1.51439095	1.18028702	1.1632007
A_55_P2020	35.6	Detected	30.7	Detected	25.4	Detected	54.7	Detected	Gm11543	1.536516854	0.71348315	1.78175896	0.8273616
A_55_P2076	247.9	Detected	292	Detected	247.4	Detected	380.9	Detected	9430076C15Rik	1.536506656	0.99798306	1.30445205	0.8472603
A_51_P1108	301.6	Detected	248.4	Detected	451.6	Detected	463.4	Detected	Pck2	1.536472149	1.49734748	1.86553945	1.8180354
A_51_P3605	100.1	Detected	146.5	Detected	115.6	Detected	153.8	Detected	Hoxa6	1.536463536	1.15484515	1.04982935	0.7890785
A_55_P2036	4854	Detected	8958	Detected	6435.9	Detected	7457.1	Detected	Rangrf	1.536279357	1.32589617	0.83245144	0.7184528
A_51_P4963	44.2	Detected	46.7	Detected	38.2	Detected	67.9	Detected	Rfx4	1.536199095	0.86425339	1.45396146	0.8179872
A_66_P1096	30.4	Detected	35	Detected	19	Detected	46.7	Not Detect	LOC101056244	1.536184211	0.625	1.33428571	0.5428571
A_55_P2375	336.3	Detected	333.4	Detected	192.3	Detected	516.6	Detected	1110035E04Rik	1.536128457	0.57181088	1.5494901	0.5767846
A_52_P5150	24072.8	Detected	22812.4	Detected	31001.7	Detected	36976.3	Detected	Slc25a24	1.536019906	1.28783108	1.62088601	1.3589846
A_66_P1268	1518.4	Detected	1397.1	Detected	1571	Detected	2332.1	Detected	Zbtb44	1.535893045	1.03464173	1.66924343	1.1244721
A_55_P2070	3426.5	Detected	3737.4	Detected	4600.6	Detected	5262.7	Detected	Ing4	1.535882095	1.34265285	1.40811794	1.2309627
A_55_P1957	29.5	Detected	29.9	Detected	25	Detected	45.3	Not Detect	Speer8-ps1	1.53559322	0.84745763	1.51505017	0.8361204
A_51_P1969	26.7	Detected	23.9	Detected	26.7	Detected	41	Not Detect	Slc4a1	1.535580524	1	1.71548117	1.1171548
A_52_P5987	4630.5	Detected	7964	Detected	4024.2	Detected	7110.3	Detected	Afg3l1	1.535536119	0.86906382	0.89280512	0.5052988
A_55_P2040	1195.2	Detected	1212.3	Detected	1352.8	Detected	1834.9	Detected	Ano10	1.53522423	1.13186078	1.51356925	1.1158954
A_51_P1609	34.2	Detected	109.6	Detected	49	Detected	52.5	Detected	Mr1	1.535087719	1.43274854	0.4790146	0.4470803
A_55_P2099	8957.3	Detected	12401.5	Detected	11033.5	Detected	13749.9	Detected	Usp15	1.535049624	1.2317886	1.10872878	0.8896908
A_55_P2062	279.2	Detected	317.5	Detected	336.3	Detected	428.5	Detected	4932438A13Rik	1.53474212	1.20451289	1.3496063	1.0592126
A_52_P3845	5665.6	Detected	4964.5	Detected	8682	Detected	8693.9	Detected	Stard4	1.534506495	1.5324061	1.75121362	1.7488166
A_55_P2024	91545.6	Detected	111077.2	Detected	87625.8	Detected	140456.5	Detected	Zfp658	1.534279092	0.95718199	1.26449442	0.788873
A_51_P2277	2899.8	Detected	4539.3	Detected	4707.1	Detected	4448.8	Detected	Phykpl	1.534174771	1.62324988	0.98006301	1.0369661
A_55_P2143	55.6	Detected	148.4	Detected	207.7	Detected	85.3	Detected	Rasgrp2	1.534172662	3.73561151	0.57479784	1.3995957
A_51_P1868	58.6	Detected	56.2	Detected	64.6	Detected	89.9	Detected	Krt5	1.534129693	1.10238908	1.59964413	1.1494662
A_51_P2648	33.7	Detected	45.2	Detected	40.3	Detected	51.7	Detected	Olfrl395	1.534124629	1.1958457	1.14380531	0.8915929
A_51_P2423	12638.9	Detected	16285.9	Detected	14696.1	Detected	19388.7	Detected	Fam114a2	1.53404964	1.16276733	1.19052063	0.9023818
A_55_P1953	8783.4	Detected	11304.9	Detected	9476.9	Detected	13473.1	Detected	Pex2	1.533927636	1.07895576	1.19179294	0.8383002
A_55_P2012	2057.5	Detected	2378.3	Detected	2548.8	Detected	3156	Detected	Gopc	1.533900365	1.23878493	1.32699828	1.0716899

A_52_P6222	152.3	Detected	297.1	Detected	190.6	Detected	233.6	Detected	Gm4890	1.533814839	1.25147735	0.78626725	0.6415348
A_55_P2172	73.1	Detected	103.7	Detected	76.3	Detected	112.1	Detected	Insr	1.533515732	1.04377565	1.08100289	0.7357763
A_51_P4358	295.6	Detected	294.1	Detected	30.7	Detected	453.3	Detected	Zbtb8a	1.533491204	0.10385656	1.54131248	0.1043863
A_55_P2068	1290	Detected	1616.7	Detected	2164.8	Detected	1978.2	Detected	Hist1h3g	1.533488372	1.67813953	1.22360364	1.3390239
A_52_P6128	4112.1	Detected	4379.4	Detected	4784.9	Detected	6305.7	Detected	Ccng1	1.533450062	1.1636147	1.43985477	1.0925926
A_52_P6727	88.3	Detected	75.7	Detected	109.6	Detected	135.4	Detected	4930515G01Rik	1.533408834	1.2412231	1.78863937	1.4478203
A_55_P2103	77.3	Detected	128.7	Detected	84.8	Detected	118.5	Detected	Mrpl9	1.532988357	1.09702458	0.92074592	0.6588967
A_52_P3875	32830.4	Detected	38924.3	Detected	41674	Detected	50322.9	Detected	Tmpo	1.532814099	1.26937229	1.29284021	1.0706422
A_55_P2097	1460.6	Detected	1033.3	Detected	1925.1	Detected	2238.5	Detected	Arl4a	1.532589347	1.31801999	2.16636021	1.8630601
A_52_P3333	311	Detected	407.9	Detected	365.4	Detected	476.6	Detected	Raver1	1.532475884	1.17491961	1.16842363	0.8958078
A_52_P4046	1603.4	Detected	1825.2	Detected	1729.1	Detected	2456.7	Detected	Baz2a	1.532181614	1.07839591	1.34598948	0.9473482
A_55_P2044	1817.2	Detected	2729.4	Detected	1900.8	Detected	2784.1	Detected	Zfp869	1.532082324	1.04600484	1.02004103	0.6964168
A_52_P3530	3724	Detected	4402.4	Detected	4519	Detected	5705.4	Detected	Chkb	1.532062299	1.21348013	1.29597492	1.0264856
A_51_P4916	25	Detected	22.8	Detected	31.4	Detected	38.3	Not Detect	Derl3	1.532	1.256	1.67982456	1.377193
A_55_P2287	6010.8	Detected	5516.1	Detected	5855.4	Detected	9206.8	Detected	Snap23	1.531709589	0.97414654	1.66907779	1.0615109
A_55_P2030	674.5	Detected	639	Detected	740.1	Detected	1033.1	Detected	2010002M12Rik	1.531653076	1.09725723	1.61674491	1.158216
A_52_P5991	343.1	Detected	316.5	Detected	359.9	Detected	525.5	Detected	Sptlc2	1.531623433	1.04896532	1.66034755	1.1371248
A_52_P2498	590.2	Detected	762.3	Detected	569.7	Detected	903.9	Detected	Cc2d2a	1.531514741	0.96526601	1.18575364	0.7473436
A_55_P2100	93.9	Detected	95.7	Detected	84.7	Detected	143.8	Detected	Zscan22	1.5314164	0.90202343	1.50261233	0.8850575
A_55_P2073	76.4	Detected	70.2	Detected	71.2	Detected	117	Detected	2610528J11Rik	1.531413613	0.93193717	1.66666667	1.014245
A_51_P1273	100.3	Detected	102.5	Detected	155.8	Detected	153.6	Detected	Zfp91	1.531405783	1.55333998	1.49853659	1.52
A_52_P5052	3799	Detected	4828.1	Detected	5508.6	Detected	5817.8	Detected	Stt3a	1.531403001	1.45001316	1.20498747	1.1409457
A_55_P2169	13933.8	Detected	13042.1	Detected	12476.1	Detected	21336.3	Detected	Fgf23	1.531262111	0.89538389	1.63595587	0.9566021
A_55_P2051	76.8	Detected	88.8	Detected	108.1	Detected	117.6	Detected	Nfkbib	1.53125	1.40755208	1.32432432	1.2173423
A_52_P4955	243.6	Detected	289.7	Detected	211.6	Detected	373	Detected	Efnb3	1.531198686	0.86863711	1.28753883	0.7304108
A_52_P2949	40.3	Detected	38.5	Detected	51.3	Detected	61.7	Detected	Cd6	1.53101737	1.27295285	1.6025974	1.3324675
A_65_P0756	1257.6	Detected	1171	Detected	1215.7	Detected	1925.4	Compromis	Rock1	1.53101145	0.96668257	1.6442357	1.0381725
A_55_P2439	92.9	Detected	102.1	Detected	61.5	Detected	142.2	Detected	Ddhd2	1.530678149	0.66200215	1.3927522	0.6023506
A_51_P1496	296.8	Detected	885.4	Detected	661	Detected	454.3	Detected	Leprel2	1.530660377	2.22708895	0.51310142	0.7465552
A_52_P6636	658.4	Detected	932.6	Detected	1029.4	Detected	1007.7	Detected	Pak1	1.530528554	1.56348724	1.08052756	1.1037958
A_55_P1974	162.7	Detected	180.8	Detected	177.5	Detected	249	Detected	Trappc9	1.530424093	1.09096497	1.37721239	0.9817478
A_51_P2552	1050.2	Detected	773.2	Detected	1160	Detected	1607.2	Detected	Gltf	1.530375167	1.10455151	2.07863425	1.5002587
A_65_P1675	6.6	Not Detect	6.2	Not Detect	21.2	Detected	10.1	Not Detect	Bex1	1.53030303	3.21212121	1.62903226	3.4193548
A_52_P4887	36.4	Detected	8.3	Not Detect	111.8	Detected	55.7	Detected	Pilrb2	1.53021978	3.07142857	6.71084337	13.46988
A_51_P3512	6890	Detected	6761.7	Detected	10769.6	Detected	10542.8	Detected	Plgrkt	1.530159652	1.56307692	1.55919369	1.5927356
A_55_P2258	61.5	Detected	55.9	Detected	52.4	Detected	94.1	Detected	E330032C10Rik	1.530081301	0.85203252	1.68336315	0.9373882
A_55_P1973	151.3	Detected	174	Detected	149.6	Detected	231.5	Detected	Ybx2	1.530072703	0.98876404	1.33045977	0.8597701
A_51_P1915	11495.1	Detected	14055.9	Detected	13187.5	Detected	17586.3	Detected	Arpc1a	1.529895347	1.14722795	1.25116855	0.9382181
A_55_P2000	177.4	Detected	138.4	Detected	263.9	Detected	271.4	Detected	Slc6a1	1.529875986	1.48759865	1.96098266	1.9067919
A_55_P2096	2400.2	Detected	2638.5	Detected	2454.4	Detected	3671.9	Detected	Rc3h1	1.529830847	1.02258145	1.39166193	0.9302255

A_55_P2051	5400.2	Detected	4669.4	Detected	8353.6	Detected	8260.6	Detected	Efh2	1.529684086	1.54690567	1.76909239	1.7890093
A_55_P2171	69.3	Detected	133.8	Detected	120.4	Detected	106	Detected	Prcp	1.52958153	1.73737374	0.7922272	0.8998505
A_55_P2092	382.8	Detected	423.8	Detected	282.5	Detected	585.5	Detected	Wdfy1	1.529519331	0.73798328	1.3815479	0.666588
A_52_P5852	31554.3	Detected	31581.3	Detected	46731.7	Detected	48250.3	Detected	Neu1	1.529119645	1.48099308	1.52781234	1.4797269
A_52_P5687	204.7	Detected	305.6	Detected	196.1	Detected	313	Detected	Sec63	1.529066927	0.9579873	1.02421466	0.6416885
A_55_P2240	466.1	Detected	418.5	Detected	830.3	Detected	712.6	Detected	1110019D14Rik	1.528856469	1.78137739	1.70274791	1.9839904
A_55_P2018	251.8	Detected	351	Detected	336.3	Detected	384.9	Detected	Adh5	1.528594122	1.3355838	1.0965812	0.9581197
A_55_P1983	591.8	Detected	543.2	Detected	473.1	Detected	904.6	Detected	Gm3556	1.528556945	0.79942548	1.66531664	0.8709499
A_51_P4444	11131.1	Detected	6176.2	Detected	10574.6	Detected	17013.2	Detected	Cebpδ	1.528438339	0.95000494	2.75463877	1.7121531
A_55_P2010	1639.4	Detected	1547.2	Detected	1222.8	Detected	2505.1	Detected	BC037034	1.528059046	0.74588264	1.61911841	0.7903309
A_52_P2299	633.7	Detected	561.7	Detected	272.7	Detected	968.3	Detected	6-Sep	1.528010099	0.43032981	1.72387395	0.4854905
A_55_P1975	13846.7	Detected	23925.3	Detected	14485	Detected	21157.7	Detected	Nutf2	1.52799584	1.04609763	0.88432329	0.6054261
A_55_P2171	11254.9	Detected	13548.1	Detected	13226.3	Detected	17197.3	Detected	Lta4h	1.527983367	1.17515926	1.26935142	0.9762476
A_55_P1969	16.1	Detected	16.8	Not Detect	23.8	Detected	24.6	Not Detect	Dpp10	1.527950311	1.47826087	1.46428571	1.4166667
A_55_P2112	982.5	Detected	1382.9	Detected	993.1	Detected	1501.1	Detected	Rwdd4a	1.52783715	1.0107888	1.08547256	0.7181286
A_55_P1977	16689.7	Detected	15526.5	Detected	15786.5	Detected	25498.9	Detected	Itgam	1.527822549	0.94588279	1.64228255	1.0167456
A_55_P2052	932.1	Detected	1297.5	Detected	851.4	Detected	1423.9	Detected	Pcm1	1.527625791	0.91342131	1.09741811	0.656185
A_55_P2032	4061.9	Detected	1439.8	Detected	6598	Detected	6204.4	Detected	Dbp	1.527462518	1.62436298	4.30920961	4.5825809
A_55_P2031	25.8	Detected	15.3	Not Detect	100.8	Detected	39.4	Not Detect	9030617O03Rik	1.527131783	3.90697674	2.5751634	6.5882353
A_52_P6230	631	Detected	852.3	Detected	653.1	Detected	963.6	Detected	R3hdm4	1.527099842	1.03502377	1.13058782	0.7662795
A_55_P2070	5396.8	Detected	6549.2	Detected	6297.4	Detected	8240.9	Detected	Mfn1	1.52699748	1.16687667	1.25830636	0.9615526
A_55_P1993	37.6	Detected	46.2	Detected	61.7	Detected	57.4	Detected	BC048609	1.526595745	1.64095745	1.24242424	1.3354978
A_55_P2113	236.1	Detected	411.2	Detected	374.8	Detected	360.4	Detected	Pecr	1.526471834	1.58746294	0.87645914	0.9114786
A_55_P1959	13897.1	Detected	12956.8	Detected	12958	Detected	21213.4	Detected	Ppp1r2	1.526462355	0.93242475	1.63724068	1.0000926
A_51_P1632	399.8	Detected	678.7	Detected	506.4	Detected	610.2	Detected	Schip1	1.526263132	1.26663332	0.89907175	0.7461323
A_55_P2077	397.6	Detected	520.9	Detected	456.6	Detected	606.8	Detected	Dcxr	1.526156942	1.14839034	1.16490689	0.8765598
A_55_P2065	3755.8	Detected	5881.8	Detected	4805.2	Detected	5731.4	Detected	Mettl1	1.5260131	1.27940785	0.9744296	0.8169608
A_55_P1983	1158.4	Detected	1005.6	Detected	1171.5	Detected	1767.6	Detected	Enox2	1.52589779	1.0113087	1.75775656	1.1649761
A_52_P3334	275.2	Detected	435.1	Detected	264.2	Detected	419.9	Detected	Nfatc3	1.525799419	0.96002907	0.9650655	0.6072167
A_66_P1089	2240.6	Detected	3096.5	Detected	3043.6	Detected	3418.3	Detected	Smpdl3b	1.525618138	1.35838615	1.10392378	0.9829162
A_51_P1420	11098.5	Detected	12026.5	Detected	15103.1	Detected	16929.6	Detected	Asb8	1.525395324	1.36082353	1.40769135	1.2558184
A_55_P2135	3004.1	Detected	3712.3	Detected	3921.8	Detected	4581.7	Detected	Ccdc174	1.525148963	1.30548251	1.23419443	1.056434
A_52_P2202	7008.9	Detected	6016.1	Detected	8587.8	Detected	10688.9	Detected	Plekhh2	1.525046726	1.22527073	1.77671581	1.4274696
A_55_P2060	28852.2	Detected	30656.4	Detected	31046.2	Detected	43996.1	Detected	Lamtor3	1.524878519	1.07604273	1.43513589	1.0127151
A_52_P1999	13361.7	Detected	19069.8	Detected	15256.4	Detected	20374.8	Detected	Cnbp	1.524865848	1.14180082	1.06843281	0.8000294
A_55_P1982	4816.6	Detected	3901.1	Detected	4200.7	Detected	7342.3	Detected	Gys1	1.52437404	0.87212972	1.88211017	1.0767989
A_55_P1956	1345.8	Detected	1926.9	Detected	1148.2	Detected	2051.5	Detected	Syt11	1.524372121	0.85317283	1.06466345	0.5958794
A_55_P1991	866.6	Detected	1226.5	Detected	857.1	Detected	1321	Detected	Sesn1	1.524348027	0.98903762	1.07704851	0.6988178
A_52_P2791	14770.2	Detected	13689.5	Detected	23553.3	Detected	22514.1	Detected	Vamp8	1.524292156	1.59465004	1.64462544	1.7205376
A_51_P3823	1006.5	Detected	1329.4	Detected	799.3	Detected	1534.2	Detected	Zfp608	1.524292101	0.7941381	1.15405446	0.6012487

A_65_P1893	41.2	Detected	31.9	Detected	36.3	Detected	62.8	Detected	Grin1	1.524271845	0.88106796	1.96865204	1.137931
A_51_P3185	22853.4	Detected	26384.5	Detected	33621.8	Detected	34830.4	Detected	Fdx1l	1.524079568	1.47119466	1.3201084	1.2743012
A_55_P2072	54	Detected	80.6	Detected	37.2	Detected	82.3	Detected	Sin3b	1.524074074	0.68888889	1.02109181	0.4615385
A_51_P5058	6706.1	Detected	6742.9	Detected	7375.2	Detected	10220.3	Detected	Endod1	1.52403036	1.09977483	1.51571282	1.0937727
A_55_P2064	360.3	Detected	336.2	Detected	427.2	Detected	549.1	Detected	Hemk1	1.524007771	1.1856786	1.63325402	1.2706722
A_51_P1508	7025	Detected	7087.4	Detected	7184.4	Detected	10706.1	Detected	Mpv17	1.524	1.02269039	1.51058216	1.0136863
A_55_P2153	5013.4	Detected	3550.9	Detected	4046.7	Detected	7639.7	Detected	Ahnak	1.523856066	0.80717677	2.15148272	1.1396266
A_55_P2181	4471.5	Detected	4279.3	Detected	4240.2	Detected	6813.8	Detected	Ppp1r2	1.523828693	0.94827239	1.59226976	0.990863
A_55_P1996	12.6	Not Detect	8.7	Not Detect	17.4	Detected	19.2	Not Detect	Nphs2	1.523809524	1.38095238	2.20689655	2
A_51_P1741	6.3	Not Detect	10.9	Not Detect	26.1	Detected	9.6	Not Detect	Pip	1.523809524	4.14285714	0.88073394	2.3944954
A_66_P1384	6817.2	Detected	2915.4	Detected	265.8	Detected	10387.7	Detected	Sprr2h	1.523748753	0.03898961	3.56304452	0.091171
A_52_P9445	178.6	Detected	188.6	Detected	272.3	Detected	272.1	Detected	Xndr	1.523516237	1.52463606	1.44273595	1.4437964
A_51_P1686	59.6	Detected	215.8	Detected	34.9	Detected	90.8	Detected	Nuak1	1.523489933	0.58557047	0.42075996	0.1617238
A_51_P4256	5576.1	Detected	5502.8	Detected	8959.7	Detected	8494.1	Detected	Nt5c2	1.523304819	1.60680404	1.54359599	1.6282075
A_55_P2133	58.3	Detected	54.3	Detected	57.8	Detected	88.8	Detected	Ino80e	1.523156089	0.99142367	1.63535912	1.0644567
A_51_P1706	1603.1	Detected	1903.2	Detected	2265.7	Detected	2441.7	Detected	Dcaf4	1.523111472	1.41332418	1.28294451	1.1904687
A_52_P5813	546.4	Detected	785.5	Detected	554	Detected	832.2	Detected	Hcfc2	1.523060029	1.01390922	1.05945258	0.7052833
A_55_P2243	1788.4	Detected	2468.9	Detected	1696.2	Detected	2723.8	Detected	Ap1g1	1.523037352	0.94844554	1.10324436	0.6870266
A_66_P1329	17.4	Detected	27.8	Detected	30	Detected	26.5	Not Detect	4930429E23Rik	1.522988506	1.72413793	0.95323741	1.0791367
A_66_P1238	458.6	Detected	614.6	Detected	593.6	Detected	698.4	Detected	Fbxo30	1.52289577	1.29437418	1.13634884	0.9658314
A_55_P2114	3065.5	Detected	2409.4	Detected	3180.5	Detected	4668.4	Detected	Ankra2	1.522883706	1.03751427	1.93757782	1.3200382
A_52_P4672	621.7	Detected	579	Detected	537.1	Detected	946.7	Detected	Mtf1	1.522760174	0.86392151	1.63506045	0.9276339
A_55_P2147	123.8	Detected	221.8	Detected	176.7	Detected	188.5	Detected	Nt5dc1	1.522617124	1.4273021	0.84986474	0.7966637
A_52_P5720	122.5	Detected	132.3	Detected	109	Detected	186.5	Detected	Pfkip	1.52244898	0.88979592	1.40967498	0.8238851
A_55_P1975	971.6	Detected	1286.7	Detected	1094.5	Detected	1479.2	Detected	Fbxo33	1.522437217	1.12649238	1.14960752	0.8506256
A_55_P2155	73.7	Detected	49.9	Detected	97.6	Detected	112.2	Detected	2010315B03Rik	1.52238806	1.32428765	2.24849699	1.9559118
A_55_P2414	13.4	Not Detect	14	Not Detect	73.8	Detected	20.4	Not Detect	0610009L18Rik	1.52238806	5.50746269	1.45714286	5.2714286
A_51_P4893	36497.7	Detected	32994.2	Detected	46837.6	Detected	55554.5	Detected	Sri	1.522137011	1.28330278	1.68376563	1.4195707
A_55_P2362	27.2	Detected	25.5	Detected	28	Detected	41.4	Not Detect	Tgm4	1.522058824	1.02941176	1.62352941	1.0980392
A_55_P2052	27.6	Detected	33.8	Detected	43.2	Detected	42	Not Detect	Tia1	1.52173913	1.56521739	1.24260355	1.2781065
A_55_P2060	14478.1	Detected	15006.7	Detected	12574	Detected	22025.7	Detected	Uso1	1.521311498	0.86848412	1.46772442	0.8378924
A_55_P2182	155.4	Detected	159.7	Detected	186.9	Detected	236.4	Detected	Smg9	1.521235521	1.2027027	1.48027552	1.1703193
A_55_P2181	115.5	Detected	122.1	Detected	145.1	Detected	175.7	Detected	E430018J23Rik	1.521212121	1.25627706	1.43898444	1.1883702
A_52_P3816	5633	Detected	4094.4	Detected	6166.1	Detected	8567.8	Detected	Aff1	1.521001243	1.09463874	2.09256546	1.5059838
A_55_P1968	1251.2	Detected	1308.9	Detected	1625.3	Detected	1903	Detected	Btbd9	1.520939898	1.29899297	1.45389258	1.2417297
A_66_P1086	26.5	Detected	25.4	Detected	30.3	Detected	40.3	Not Detect	E030018B13Rik	1.520754717	1.14339623	1.58661417	1.1929134
A_55_P2088	1863.6	Detected	2115.7	Detected	2362.3	Detected	2834	Detected	Mtif3	1.520712599	1.26760034	1.33950938	1.1165572
A_51_P4927	294.6	Detected	384.6	Detected	508.4	Detected	448	Detected	Bbs10	1.520706042	1.7257298	1.16484659	1.3218929
A_55_P2393	979	Detected	1085.9	Detected	300.1	Detected	1488.7	Detected	4933421H12Rik	1.520633299	0.30653728	1.37093655	0.2763606
A_55_P1996	537.6	Detected	807.5	Detected	757.6	Detected	817.4	Detected	4930430D24Rik	1.52046131	1.40922619	1.01226006	0.9382043

A_51_P4865	4583.2 Detected	5807 Detected	7714.4 Detected	6968.2 Detected	Letmd1	1.520378775	1.68319078	1.19996556	1.3284656
A_55_P2158	10346.5 Detected	8799.7 Detected	9921.6 Detected	15729.8 Detected	Nkiras2	1.520301551	0.95893297	1.78753821	1.127493
A_52_P3574	1406.8 Detected	1709.1 Detected	1876.4 Detected	2138.7 Detected	Nfrkb	1.520258743	1.33380722	1.25136037	1.0978878
A_55_P2168	98.8 Detected	107.9 Detected	100.5 Detected	150.2 Detected	Gm5958	1.520242915	1.01720648	1.39202966	0.931418
A_51_P3645	213.4 Detected	166.8 Detected	267.6 Detected	324.4 Detected	D330050I16Rik	1.520149953	1.25398313	1.94484412	1.6043165
A_55_P2020	270.5 Detected	255.7 Detected	240.3 Detected	411.2 Detected	2610035D17Rik	1.520147874	0.8883549	1.60813453	0.9397732
A_55_P1973	20890.7 Detected	19373.1 Detected	26930.6 Detected	31747.6 Detected	Gm19958	1.519700154	1.28911908	1.63874651	1.3901028
A_55_P2136	17411.4 Detected	14273.2 Detected	27287.2 Detected	26457.2 Detected	Cdc42se2	1.519533179	1.5672031	1.85362778	1.9117787
A_66_P1147	1081.4 Detected	1546.3 Detected	698 Detected	1643.2 Detected	Nr2f1	1.519511744	0.64545959	1.06266572	0.4514001
A_55_P1976	33.5 Detected	42.6 Detected	49.9 Detected	50.9 Detected	Slc39a9	1.519402985	1.48955224	1.19483568	1.1713615
A_66_P1363	6027.4 Detected	9489.8 Detected	9308.5 Detected	9156.5 Detected	Mrpl9	1.5191459	1.54436407	0.96487808	0.9808953
A_52_P5829	99.4 Detected	145.2 Detected	132.1 Detected	151 Detected	Entpd4	1.519114688	1.32897384	1.0399449	0.9097796
A_52_P1253	3222.3 Detected	4403.3 Detected	3265.3 Detected	4894.4 Detected	Anp32e	1.518915061	1.01334451	1.11152999	0.7415575
A_55_P2113	5069.4 Detected	6430.9 Detected	4579.3 Detected	7699.4 Detected	Zkscan5	1.518799069	0.90332189	1.19725077	0.7120776
A_52_P1149	107.6 Detected	467.5 Detected	18.6 Detected	163.4 Detected	Ifitm10	1.518587361	0.17286245	0.34951872	0.0397861
A_55_P2062	2714.2 Detected	2606.5 Detected	2406.7 Detected	4121.7 Detected	Pdzrn3	1.518569007	0.88670695	1.58131594	0.9233455
A_55_P2174	191.9 Detected	242 Detected	234.1 Detected	291.4 Detected	Nova1	1.518499218	1.2199062	1.20413223	0.9673554
A_51_P2129	260.4 Detected	333 Detected	228.7 Detected	395.4 Detected	Usb1	1.51843318	0.87826421	1.18738739	0.6867868
A_51_P3684	25386 Detected	20411.4 Detected	37380.4 Detected	38546.2 Detected	Tmem98	1.518403845	1.47248089	1.88846429	1.8313491
A_55_P2092	330.6 Detected	333.6 Detected	322.8 Detected	501.9 Detected	Jmjd1c	1.51814882	0.97640653	1.5044964	0.9676259
A_55_P2067	91.1 Detected	114.3 Detected	106.8 Detected	138.3 Detected	Slc16a3	1.518111965	1.17233809	1.20997375	0.9343832
A_55_P2178	31.1 Detected	45.4 Detected	37.4 Detected	47.2 Detected	Fam53b	1.517684887	1.20257235	1.03964758	0.8237885
A_52_P1327	65.1 Detected	73.4 Detected	98.2 Detected	98.8 Detected	Stat6	1.517665131	1.50844854	1.34604905	1.3378747
A_51_P1923	15792.2 Detected	18198.9 Detected	10849.5 Detected	23965.8 Detected	Ash2l	1.517571966	0.68701638	1.31688179	0.5961624
A_66_P1081	25.9 Detected	27.2 Detected	31.8 Detected	39.3 Not Detect	Fbxw10	1.517374517	1.22779923	1.44485294	1.1691176
A_51_P3775	3490 Detected	4224.1 Detected	5569.8 Detected	5295.4 Detected	Sreb2	1.51730659	1.59593123	1.25361615	1.3185767
A_55_P2158	14.9 Detected	14.3 Not Detect	32.9 Detected	22.6 Not Detect	Nphp4	1.516778523	2.20805369	1.58041958	2.3006993
A_52_P2280	2423.8 Detected	2337.4 Detected	4166.8 Detected	3676.3 Detected	Tmem179b	1.516750557	1.71911874	1.57281595	1.7826645
A_51_P4978	321.9 Detected	305.5 Detected	368.1 Detected	488.2 Detected	Zfp790	1.516620068	1.14352283	1.59803601	1.20491
A_66_P1386	18.2 Detected	10.5 Not Detect	6.2 Not Detect	27.6 Not Detect	Olf1390	1.516483516	0.34065934	2.62857143	0.5904762
A_55_P1957	21.7 Detected	29.8 Detected	33 Detected	32.9 Not Detect	Gm16508	1.516129032	1.52073733	1.10402685	1.1073826
A_55_P2139	65.5 Detected	64.4 Detected	64.6 Detected	99.3 Detected	Ccdc142	1.516030534	0.98625954	1.54192547	1.0031056
A_52_P5040	895.6 Detected	932.4 Detected	763.9 Detected	1357.7 Detected	Cdk8	1.51596695	0.85294774	1.45613471	0.8192836
A_55_P2018	292.9 Detected	303.3 Detected	275.7 Detected	444 Detected	Tbx10	1.515875726	0.94127689	1.46389713	0.909001
A_55_P2126	12.6 Not Detect	34.8 Detected	10.7 Not Detect	19.1 Not Detect	Scn2a1	1.515873016	0.84920635	0.54885057	0.3074713
A_55_P2068	2444.8 Detected	2229.9 Detected	2218 Detected	3705.7 Detected	Nufip2	1.515747709	0.90723168	1.6618234	0.9946634
A_51_P4654	528.8 Detected	584 Detected	454.8 Detected	801.5 Detected	Btf3l4	1.515695915	0.86006051	1.37243151	0.7787671
A_55_P2173	38.6 Detected	40.1 Detected	38.1 Detected	58.5 Detected	Arhgap4	1.515544041	0.98704663	1.45885287	0.9501247
A_52_P1024	32.4 Detected	25.7 Detected	20.6 Detected	49.1 Detected	AW549877	1.515432099	0.63580247	1.91050584	0.8015564
A_52_P2712	13 Not Detect	26.1 Detected	13.7 Not Detect	19.7 Not Detect	Ago4	1.515384615	1.05384615	0.75478927	0.5249042

A_55_P2027	2026.4	Detected	2196.4	Detected	2593.9	Detected	3070.6	Detected	Rgs3	1.515298066	1.2800533	1.39801493	1.180978
A_51_P4942	78.6	Detected	76.4	Detected	159.3	Detected	119.1	Detected	9130024F11Rik	1.515267176	2.02671756	1.55890052	2.0850785
A_55_P1961	3051.1	Detected	3122	Detected	3145.7	Detected	4623	Detected	5830418K08Rik	1.515191243	1.03100521	1.48078155	1.0075913
A_52_P2658	11450.8	Detected	11147.4	Detected	14497.4	Detected	17349.9	Detected	Aldh9a1	1.515169246	1.26606001	1.55640777	1.3005185
A_55_P2153	19.8	Detected	19.9	Detected	20.3	Detected	30	Not Detect	Tsix	1.515151515	1.02525253	1.50753769	1.0201005
A_55_P2078	2777.7	Detected	2066	Detected	2362.9	Detected	4208.6	Detected	Kmt2e	1.515138424	0.85066782	2.03707648	1.1437076
A_51_P2544	1147.2	Detected	1236.9	Detected	1545	Detected	1738.1	Detected	Birc2	1.515080195	1.34675732	1.40520656	1.2490905
A_55_P2074	412.2	Detected	372.6	Detected	3.2	Not Detect	624.5	Detected	Ppm1h	1.515041242	0.00776322	1.67606012	0.0085883
A_55_P2028	86.8	Detected	95.7	Detected	63.5	Detected	131.5	Detected	BE691133	1.514976959	0.73156682	1.37408568	0.6635319
A_51_P2282	2777.3	Detected	2876.1	Detected	2229.6	Detected	4207.2	Detected	Zdhc21	1.514852555	0.80279408	1.46281423	0.7752164
A_55_P1968	4003.8	Detected	4098.5	Detected	3034.8	Detected	6064.9	Detected	Kat6a	1.514785953	0.75797992	1.47978529	0.740466
A_55_P2325	583.2	Detected	386.8	Detected	787.3	Detected	883.4	Detected	2010002M09Rik	1.514746228	1.34996571	2.28386763	2.0354188
A_55_P1957	15639.5	Detected	16091.7	Detected	18403	Detected	23688	Detected	Apob	1.514626427	1.17670002	1.47206324	1.1436331
A_55_P2177	9288.1	Detected	12957.3	Detected	10720.6	Detected	14065.4	Detected	Tmem208	1.514346314	1.15422961	1.08551936	0.8273792
A_51_P2016	7291.5	Detected	10207.7	Detected	10198.4	Detected	11041	Detected	Xrcc5	1.514228897	1.39866968	1.08163445	0.9990889
A_55_P2108	872.3	Detected	680.9	Detected	1229.1	Detected	1320.8	Detected	AV356131	1.514157973	1.40903359	1.93978558	1.8051109
A_51_P1990	89.1	Detected	86.7	Detected	147.4	Detected	134.9	Detected	Zfp108	1.514029181	1.65432099	1.55594002	1.7001153
A_55_P2093	57.8	Detected	79.5	Detected	147.4	Detected	87.5	Detected	Myh7	1.51384083	2.55017301	1.10062893	1.8540881
A_52_P9877	527.6	Detected	135.1	Detected	1018.7	Detected	798.7	Detected	Ang4	1.51383624	1.9308188	5.9119171	7.5403405
A_55_P2087	511	Detected	734.5	Detected	462.8	Detected	773.5	Detected	Exoc8	1.51369863	0.90567515	1.05309735	0.6300885
A_52_P3346	3112	Detected	3209.3	Detected	2438.2	Detected	4710.6	Detected	Clock	1.513688946	0.78348329	1.46779672	0.7597295
A_55_P2088	18.3	Detected	59.5	Detected	10.3	Not Detect	27.7	Not Detect	Cyp27b1	1.513661202	0.56284153	0.46554622	0.1731092
A_51_P4973	332.6	Detected	338.8	Detected	395.1	Detected	503.4	Detected	Tcp11l2	1.513529765	1.18791341	1.48583235	1.1661747
A_51_P2407	281.8	Detected	375.9	Detected	291.2	Detected	426.5	Detected	1700022A21Rik	1.513484741	1.03335699	1.13461027	0.7746741
A_55_P2030	22.6	Detected	20.3	Detected	20.1	Detected	34.2	Not Detect	Fan1	1.513274336	0.88938053	1.68472906	0.9901478
A_51_P4032	10992.2	Detected	9781.2	Detected	12247.7	Detected	16633.3	Detected	Tax1bp1	1.513191172	1.11421735	1.70053777	1.2521674
A_55_P2002	94250.2	Detected	111509.7	Detected	149096.1	Detected	142615.7	Detected	Atp5l	1.513160715	1.58191813	1.27895331	1.3370684
A_55_P1959	15.2	Detected	3.5	Not Detect	3.5	Not Detect	23	Not Detect	Cst10	1.513157895	0.23026316	6.57142857	1
A_52_P2442	10518.6	Detected	11314.2	Detected	8649.9	Detected	15916.3	Detected	Ankrd11	1.513157645	0.82234328	1.40675434	0.7645172
A_55_P1999	52041.2	Detected	84342.5	Detected	56167.8	Detected	78745.9	Detected	Nutf2	1.513145354	1.07929487	0.93364437	0.665949
A_51_P2170	2167.1	Detected	3066.1	Detected	2124.7	Detected	3279	Detected	Gng10	1.513081999	0.98043468	1.06943674	0.692965
A_55_P2123	30.6	Detected	24.5	Detected	13.5	Not Detect	46.3	Detected	Plekhn1	1.513071895	0.44117647	1.88979592	0.5510204
A_55_P1952	1168.2	Detected	1270	Detected	1077	Detected	1767.5	Detected	Sh3rf1	1.513011471	0.92193118	1.39173228	0.8480315
A_66_P1110	31	Detected	40.7	Detected	29.1	Detected	46.9	Not Detect	Nlrp6	1.512903226	0.93870968	1.15233415	0.7149877
A_55_P2116	62.2	Detected	55	Detected	80.6	Detected	94.1	Detected	Gfm1	1.512861736	1.29581994	1.71090909	1.4654545
A_55_P2171	11.7	Not Detect	45.7	Detected	104.3	Detected	17.7	Not Detect	Pdzk1ip1	1.512820513	8.91452991	0.38730853	2.2822757
A_66_P1393	417.4	Detected	466.9	Detected	497.7	Detected	631.4	Detected	Atf6	1.512697652	1.19238141	1.35232384	1.065967
A_52_P3111	13287.3	Detected	18199.9	Detected	13069.1	Detected	20094.2	Detected	Brd7	1.512286168	0.9835783	1.10408299	0.7180864
A_55_P2084	1958.5	Detected	3097	Detected	2118.6	Detected	2961.4	Detected	Gm9047	1.512075568	1.08174623	0.95621569	0.6840814
A_55_P2003	4421.8	Detected	4136.1	Detected	6337.9	Detected	6685.4	Detected	Tmem143	1.511918223	1.43333032	1.61635357	1.5323372

A_52_P3191	2230.6	Detected	2263	Detected	2376.2	Detected	3372.4	Detected	Vps13b	1.511880212	1.06527392	1.4902342	1.0500221
A_55_P2112	303.2	Detected	469	Detected	254.3	Detected	458.4	Detected	Sipa111	1.511873351	0.83872032	0.97739872	0.5422175
A_55_P2091	67.4	Detected	77.3	Detected	53.4	Detected	101.9	Detected	Ublcp1	1.511869436	0.79228487	1.31824062	0.690815
A_55_P2387	46.7	Detected	33.6	Detected	15.2	Not Detect	70.6	Detected	4933412L11Rik	1.511777302	0.3254818	2.10119048	0.452381
A_55_P2051	725.2	Detected	799	Detected	786.9	Detected	1096.3	Detected	Zfp568	1.511720905	1.08507998	1.37209011	0.9848561
A_55_P1990	90.7	Detected	97.2	Detected	100	Detected	137.1	Detected	Pikfyve	1.511576626	1.10253583	1.41049383	1.0288066
A_55_P2136	716.7	Detected	751.7	Detected	663.6	Detected	1083.3	Detected	Camta2	1.511511093	0.92591042	1.44113343	0.882799
A_52_P4428	204.7	Detected	179.2	Detected	217.5	Detected	309.4	Detected	Kbtbd7	1.511480215	1.06253053	1.7265625	1.2137277
A_51_P4003	17.6	Detected	76	Detected	5.5	Not Detect	26.6	Not Detect	Rhbg	1.511363636	0.3125	0.35	0.0723684
A_66_P1019	168	Detected	187.1	Detected	128.6	Detected	253.9	Detected	Lce1k	1.511309524	0.76547619	1.35702833	0.687333
A_55_P2042	459.4	Detected	444.9	Detected	480.2	Detected	694.2	Detected	Zcchc4	1.511101437	1.04527645	1.56035064	1.0793437
A_51_P3275	13673.8	Detected	13490	Detected	21010.1	Detected	20653.6	Detected	Fam96a	1.510450643	1.5365224	1.53103039	1.5574574
A_55_P2053	19.6	Detected	24.9	Detected	26.6	Detected	29.6	Not Detect	Iqcf4	1.510204082	1.35714286	1.18875502	1.0682731
A_52_P6039	16357.3	Detected	20957.9	Detected	20290.1	Detected	24702.6	Detected	Jtb	1.510188112	1.24043088	1.17867725	0.9681361
A_55_P2126	292.3	Detected	317.5	Detected	235.5	Detected	441.4	Detected	Slc35e2	1.510092371	0.8056791	1.39023622	0.7417323
A_55_P1998	10	Not Detect	9.9	Not Detect	17.7	Detected	15.1	Not Detect	DXBay18	1.51	1.77	1.52525253	1.7878788
A_55_P1965	1149.7	Detected	2619.1	Detected	1022.7	Detected	1736	Detected	Ccdc66	1.50995912	0.8895364	0.66282311	0.3904776
A_52_P4327	2444.4	Detected	2046.6	Detected	4449.8	Detected	3690.3	Detected	Mrpl50	1.509695631	1.82040583	1.80313691	2.1742402
A_51_P1908	5422.5	Detected	5113.2	Detected	4976.6	Detected	8186	Detected	Ankrd13a	1.509635777	0.91776856	1.60095439	0.9732848
A_52_P3088	176.3	Detected	191.7	Detected	217.8	Detected	266.1	Detected	Apobec3	1.509359047	1.23539421	1.38810642	1.1361502
A_52_P1808	4481.8	Detected	4790.9	Detected	5176.3	Detected	6762.4	Detected	Tmem206	1.508858048	1.15496006	1.41150932	1.0804442
A_52_P2441	39352.3	Detected	35149.1	Detected	29098.8	Detected	59371.5	Detected	Cd24a	1.508717407	0.73944344	1.68913287	0.8278676
A_55_P2390	40.7	Detected	33.7	Detected	40.9	Detected	61.4	Detected	5031420N21Rik	1.508599509	1.004914	1.82195846	1.2136499
A_52_P3516	2011.1	Detected	2303.5	Detected	2987.9	Detected	3033.4	Detected	Gcc2	1.508328775	1.48570434	1.31686564	1.2971131
A_51_P3321	3941.3	Detected	2032.2	Detected	4256.2	Detected	5943.6	Detected	Cln2	1.508030345	1.0798975	2.92471213	2.0943805
A_51_P1015	927.2	Detected	2261.3	Detected	3129.4	Detected	1398.1	Detected	Hgfac	1.507873167	3.37510785	0.61827268	1.3838942
A_52_P1365	26.2	Detected	22.8	Detected	13.9	Not Detect	39.5	Not Detect	Zfp775	1.507633588	0.53053435	1.73245614	0.6096491
A_51_P1659	19443.3	Detected	26637	Detected	25113.7	Detected	29312.6	Detected	Phb	1.507593876	1.29163774	1.10044675	0.9428126
A_55_P2382	484.1	Detected	532	Detected	528.3	Detected	729.8	Detected	4930593A02Rik	1.507539765	1.09130345	1.37180451	0.9930451
A_55_P2156	67.8	Detected	58.1	Detected	65.9	Detected	102.2	Detected	Gm3146	1.507374631	0.9719764	1.75903614	1.1342513
A_55_P2114	2300.5	Detected	2320.1	Detected	2265.2	Detected	3467.6	Detected	Ddx46	1.507324495	0.98465551	1.49459075	0.9763372
A_55_P2008	12477.2	Detected	17554.4	Detected	12980.4	Detected	18807	Detected	Rps6	1.507309332	1.04032956	1.07135533	0.7394385
A_55_P2132	1567.4	Detected	1482.3	Detected	2241.9	Detected	2362.5	Detected	Sdcbp	1.507273191	1.43033048	1.59380692	1.5124469
A_52_P1416	42.2	Detected	28.6	Detected	276.3	Detected	63.6	Detected	Gpr3711	1.507109005	6.54739336	2.22377622	9.6608392
A_55_P2147	21.3	Detected	22.2	Detected	19.9	Detected	32.1	Not Detect	Ercc5	1.507042254	0.9342723	1.44594595	0.8963964
A_55_P1971	2751.9	Detected	1578.9	Detected	3124	Detected	4147.2	Detected	Cln2	1.507031506	1.13521567	2.6266388	1.9785927
A_55_P2048	561.2	Detected	396.3	Detected	536.1	Detected	845.7	Detected	Slc44a1	1.506949394	0.95527441	2.1339894	1.3527631
A_51_P3836	2304.2	Detected	3013.3	Detected	1999.1	Detected	3472.1	Detected	Vps4a	1.506857044	0.86758962	1.15225832	0.6634255
A_51_P2826	6534.9	Detected	3825.9	Detected	7062.3	Detected	9847.1	Detected	Hexa	1.506847848	1.08070514	2.57379963	1.8459186
A_66_P1324	573.2	Detected	773.7	Detected	736	Detected	863.7	Detected	Usp15	1.506803908	1.28401954	1.11632416	0.9512731

A_52_P6741	147.4	Detected	145	Detected	169.5	Detected	222.1	Detected	Rsbn11	1.506784261	1.14993216	1.53172414	1.1689655
A_55_P1991	4559.1	Detected	5459.4	Detected	7496.3	Detected	6868.2	Detected	Lmf1	1.506481542	1.64424996	1.25805034	1.3730996
A_55_P2108	226.1	Detected	248.9	Detected	185.6	Detected	340.6	Detected	Med12	1.506413092	0.82087572	1.36842105	0.745681
A_55_P2047	2736.6	Detected	2867.9	Detected	3733.2	Detected	4121.7	Detected	Cyb5r4	1.506139005	1.36417452	1.437184	1.301719
A_55_P2166	35775	Detected	35906.8	Detected	46594.7	Detected	53876.3	Detected	Pam16	1.50597624	1.30243746	1.50044838	1.2976567
A_55_P1997	119	Detected	118.8	Detected	125.9	Detected	179.2	Detected	Gm4850	1.505882353	1.05798319	1.50841751	1.0597643
A_55_P2347	93.9	Detected	144.8	Detected	109.2	Detected	141.4	Detected	AI662501	1.505857295	1.1629393	0.97651934	0.7541436
A_55_P2079	23609	Detected	17479.5	Detected	17945.6	Detected	35550.6	Detected	Mpp1	1.505807107	0.7601169	2.03384536	1.0266655
A_51_P2410	11017.9	Detected	14626.7	Detected	14497.6	Detected	16588.9	Detected	Map2k1	1.505631745	1.31582243	1.13415193	0.9911737
A_55_P2155	8.9	Not Detect	19.4	Detected	14.4	Not Detect	13.4	Not Detect	Gm16501	1.505617978	1.61797753	0.69072165	0.742268
A_55_P2041	18.4	Detected	23.9	Detected	30	Detected	27.7	Not Detect	Gm10002	1.505434783	1.63043478	1.15899582	1.2552301
A_55_P2031	293.5	Detected	661.9	Detected	54	Detected	441.8	Detected	Zfpm2	1.50528109	0.18398637	0.66747243	0.0815833
A_55_P2025	5676.7	Detected	6459.6	Detected	6539.8	Detected	8544.6	Detected	Trabd	1.505205489	1.15204256	1.3227754	1.0124156
A_55_P2057	8581.6	Detected	7309.3	Detected	11740	Detected	12913.7	Detected	Mif4gd	1.504812622	1.36804326	1.76674921	1.606173
A_51_P1108	9786.1	Detected	12956.4	Detected	13499.9	Detected	14725.8	Detected	Mrps35	1.504766965	1.37949745	1.13656571	1.0419484
A_66_P1154	504.2	Detected	724.2	Detected	1121.8	Detected	758.7	Detected	Sfta2	1.504760016	2.22491075	1.04763877	1.5490196
A_55_P1986	8641.9	Detected	8447.9	Detected	11528.9	Detected	13003.5	Detected	Tmem41b	1.504703827	1.33407005	1.53925828	1.364706
A_55_P2003	255.3	Detected	265.1	Detected	240.1	Detected	384.1	Detected	Wwp1	1.504504505	0.9404622	1.44888721	0.905696
A_55_P2131	7006.1	Detected	6287.1	Detected	8729.7	Detected	10540.3	Detected	Sphk2	1.504446126	1.24601419	1.67649632	1.3885098
A_55_P2103	73.2	Detected	70.5	Detected	64.6	Detected	110.1	Detected	Gm9876	1.504098361	0.88251366	1.56170213	0.9163121
A_66_P1374	14006.5	Detected	14155	Detected	15378.2	Detected	21066.8	Detected	Dnajb14	1.504073109	1.0979331	1.48829389	1.0864147
A_55_P2277	15132.1	Detected	13889.8	Detected	13475.9	Detected	22758.9	Detected	AA522020	1.504014644	0.89055055	1.63853331	0.9702012
A_55_P1987	24985	Detected	27944.7	Detected	26390.8	Detected	37571.6	Detected	Pgm2	1.50376626	1.05626576	1.34449824	0.9443937
A_55_P2048	65328.6	Detected	73757.4	Detected	98393	Detected	98238.7	Detected	Atp5l	1.503762517	1.50612442	1.33191653	1.3340085
A_55_P2064	561.5	Detected	712.6	Detected	623.8	Detected	844.3	Detected	Gm10624	1.503650935	1.1109528	1.18481617	0.8753859
A_51_P3598	13.7	Detected	7.1	Not Detect	3.2	Not Detect	20.6	Not Detect	Glec11a	1.503649635	0.23357664	2.90140845	0.4507042
A_55_P2018	84.4	Detected	124.2	Detected	123.4	Detected	126.9	Detected	Defa-rs7	1.503554502	1.46208531	1.02173913	0.9935588
A_52_P4188	127.7	Detected	148.4	Detected	152.2	Detected	192	Detected	Pmch	1.503523884	1.19185591	1.29380054	1.0256065
A_55_P2060	56476.4	Detected	62731.2	Detected	62716.4	Detected	84904	Detected	Lamt0r3	1.503353613	1.11048863	1.35345729	0.9997641
A_55_P2117	3138.9	Detected	3404.6	Detected	3686.5	Detected	4718.6	Detected	Rnf115	1.503265475	1.17445602	1.38594842	1.0827997
A_55_P2041	54962.3	Detected	109863	Detected	56163.6	Detected	82605.4	Detected	Tom20	1.502946565	1.0218568	0.75189463	0.5112149
A_52_P6117	8768.6	Detected	11329.6	Detected	10595.2	Detected	13177.2	Detected	Ddx5	1.502771252	1.20831148	1.16307725	0.9351786
A_51_P4199	11979.1	Detected	11982.4	Detected	11806.1	Detected	17999.9	Detected	Tmem106b	1.50260871	0.98555818	1.50219489	0.9852868
A_55_P2417	1109.2	Detected	1085.2	Detected	1079.7	Detected	1666.4	Detected	AU024581	1.502344032	0.97340426	1.53556948	0.9949318
A_51_P3920	2809.1	Detected	3057.4	Detected	3572.2	Detected	4220.1	Detected	Tmem19	1.502296109	1.27165284	1.38029044	1.1683784
A_51_P3339	1077.7	Detected	1351	Detected	1517.6	Detected	1619	Detected	Cisd2	1.50227336	1.4081841	1.19837158	1.1233161
A_66_P1221	1222.4	Detected	1300.6	Detected	1502.1	Detected	1836.3	Detected	Pisd-ps3	1.50220877	1.22881217	1.41188682	1.1549285
A_55_P2024	2000.8	Detected	1527.4	Detected	3058.1	Detected	3005.6	Detected	Fam149a	1.50219912	1.52843862	1.9677884	2.0021605
A_52_P4754	551.2	Detected	677.9	Detected	470.7	Detected	828	Detected	Rbm48	1.502177068	0.85395501	1.22141909	0.6943502
A_52_P4958	621.7	Detected	1115.2	Detected	185	Detected	933.9	Detected	Mafb	1.502171465	0.29757118	0.83742826	0.1658895

A_55_P1979	23.5 Detected	12.3 Not Detect	74.7 Detected	35.3 Not Detect	Tuba3a	1.50212766	3.1787234	2.8699187	6.0731707
A_55_P1977	4198.4 Detected	4208.1 Detected	4594 Detected	6304.9 Detected	4933426M11Rik	1.501738758	1.09422637	1.49827713	1.0917041
A_51_P3968	4119.9 Detected	4892.1 Detected	3969.3 Detected	6186.7 Detected	2810428115Rik	1.501662662	0.96344571	1.26463073	0.8113694
A_55_P1969	3911.6 Detected	4446.9 Detected	6394.6 Detected	5873.2 Detected	Pex26	1.501482769	1.63477861	1.32074029	1.4379905
A_66_P1270	38.9 Detected	48.5 Detected	61.7 Detected	58.4 Detected	Iqck	1.501285347	1.58611825	1.20412371	1.2721649
A_55_P2133	2139.4 Detected	2684.7 Detected	2689.1 Detected	3211.7 Detected	Ap4b1	1.501215294	1.2569412	1.19629754	1.0016389
A_51_P3105	204 Detected	252.5 Detected	243.4 Detected	306.2 Detected	Smim8	1.500980392	1.19313725	1.21267327	0.9639604
A_55_P1962	10288.9 Detected	14532 Detected	12563.1 Detected	15443.4 Detected	Churc1	1.500976781	1.22103432	1.06271676	0.8645128
A_55_P2060	3029.9 Detected	3619.1 Detected	2409.6 Detected	4547.8 Detected	Whsc111	1.500973629	0.79527377	1.25661076	0.6658009
A_51_P1037	3333.4 Detected	3159.3 Detected	4090.6 Detected	5003 Detected	Sft2d2	1.500869983	1.22715546	1.58357864	1.2947805
A_55_P1967	486.8 Detected	820.1 Detected	525.7 Detected	730.6 Detected	Sf3b3	1.500821693	1.07990961	0.89086697	0.6410194
A_55_P1974	1302.2 Detected	1826.5 Detected	1308.7 Detected	1954.3 Detected	Zfp868	1.500767931	1.00499155	1.06996989	0.716507
A_55_P1983	371.8 Detected	423.1 Detected	432.4 Detected	557.9 Detected	Cflar	1.500537924	1.16299086	1.3186008	1.0219806
A_55_P2028	4483.9 Detected	4295.7 Detected	5006.6 Detected	6727.4 Detected	Slc31a1	1.500345681	1.11657263	1.56607771	1.1654911
A_51_P2066	9310.4 Detected	11638.4 Detected	9851 Detected	13968.4 Detected	Lsm1	1.500300739	1.0580641	1.20019934	0.8464222
A_55_P2392	604.2 Detected	446.7 Detected	872.3 Detected	906.4 Detected	K230015D01Rik	1.500165508	1.44372724	2.02910231	1.9527647
A_55_P1991	57.8 Detected	53.2 Detected	75.5 Detected	86.7 Detected	Gm5431	1.5	1.30622837	1.62969925	1.4191729
A_55_P1960	11.2 Not Detect	11.6 Not Detect	17.3 Detected	16.8 Not Detect	Gm10789	1.5	1.54464286	1.44827586	1.4913793
A_66_P1332	23 Detected	23.5 Detected	29.4 Detected	34.5 Not Detect	Hesx1	1.5	1.27826087	1.46808511	1.2510638
A_55_P2141	14.6 Detected	19.6 Detected	23.6 Detected	21.9 Not Detect	Ighv5-12	1.5	1.61643836	1.11734694	1.2040816
A_55_P2059	6.4 Not Detect	22.4 Detected	5.3 Not Detect	9.6 Not Detect	Igsf1	1.5	0.828125	0.42857143	0.2366071
A_51_P4799	10931.1 Detected	12915.4 Detected	14552.7 Detected	16395.6 Detected	Mars	1.499903944	1.33131158	1.26946126	1.1267711
A_55_P2122	1388.1 Detected	1771.1 Detected	1207.2 Detected	2081.9 Detected	Airn	1.499819898	0.86967798	1.17548416	0.6816103
A_55_P1963	13461 Detected	14746.7 Detected	13736.8 Detected	20187.8 Detected	Klhdc7a	1.499725132	1.02048882	1.36897068	0.9315169
A_55_P2057	8548.1 Detected	5591 Detected	13718.5 Detected	12815.9 Detected	Cdc42ep5	1.499268843	1.60485956	2.29223752	2.4536755
A_55_P2115	370.8 Detected	408.6 Detected	488.8 Detected	555.9 Detected	Alg12	1.499190939	1.31823085	1.36049927	1.19628
A_55_P2141	5888.5 Detected	6192.5 Detected	7859.7 Detected	8827.5 Detected	Synj2bp	1.499108432	1.33475418	1.42551474	1.2692289
A_51_P3990	659 Detected	707.8 Detected	878.3 Detected	987.9 Detected	Anp32a	1.49908953	1.33277693	1.39573326	1.2408873
A_55_P1959	44.9 Detected	71.5 Detected	55.6 Detected	67.3 Detected	Cox16	1.498886414	1.23830735	0.94125874	0.7776224
A_51_P4042	16224.8 Detected	20136.7 Detected	15444.5 Detected	24314.6 Detected	Atp6v0b	1.498607071	0.95190696	1.2074769	0.7669827
A_55_P2093	8877.7 Detected	11300.1 Detected	11024.9 Detected	13303.7 Detected	Ufm1	1.498552553	1.24186445	1.17730817	0.9756462
A_55_P1953	131.4 Detected	177.3 Detected	140.4 Detected	196.9 Detected	Wfdc3	1.49847793	1.06849315	1.1105471	0.7918782
A_51_P3708	14828.9 Detected	23618.9 Detected	14310.9 Detected	22218.4 Detected	Ccdc124	1.498317475	0.96506821	0.94070427	0.6059088
A_51_P3490	8231.4 Detected	10393.7 Detected	15116.8 Detected	12333.1 Detected	Lsm3	1.498299196	1.83647982	1.1865938	1.4544195
A_55_P1989	22991.5 Detected	20286.5 Detected	33602.3 Detected	34448.1 Detected	Rnf181	1.498297197	1.46150969	1.69808	1.6563873
A_55_P1952	13887.8 Detected	11432.4 Detected	23016.4 Detected	20807.3 Detected	Gtf2a2	1.498243062	1.65731073	1.82002904	2.0132606
A_55_P2250	1755.7 Detected	2033.9 Detected	2050.1 Detected	2630.2 Detected	9530029O12Rik	1.498091929	1.16768241	1.29318059	1.007965
A_55_P2083	809.4 Detected	680.4 Detected	705.6 Detected	1212.5 Detected	Tle2	1.498023227	0.87175686	1.78203998	1.037037
A_55_P1987	173.7 Detected	216.7 Detected	153.8 Detected	260.2 Detected	Atg2b	1.497985032	0.88543466	1.20073835	0.709737
A_55_P2015	140.8 Detected	214.9 Detected	171 Detected	210.9 Detected	Zfp961	1.497869318	1.21448864	0.98138669	0.7957189

A_52_P6252	22.5 Detected	20.1 Detected	19.8 Detected	33.7 Not Detect	1700024G13Rik	1.497777778	0.88	1.67661692	0.9850746
A_55_P2122	888.5 Detected	584 Detected	788.9 Detected	1330.5 Detected	Ssfa2	1.497467642	0.88790096	2.27825342	1.3508562
A_51_P4818	2009.5 Detected	2909.8 Detected	2155.8 Detected	3009.1 Detected	Rabggta	1.497437173	1.07280418	1.03412606	0.7408757
A_55_P2033	57.3 Detected	27.8 Detected	67.3 Detected	85.8 Detected	Tnfrsf1b	1.497382199	1.17452007	3.08633094	2.4208633
A_51_P4756	37.2 Detected	34.1 Detected	26.5 Detected	55.7 Detected	Paqr6	1.497311828	0.71236559	1.63343109	0.7771261
A_52_P1226	1201.9 Detected	1472.1 Detected	1226 Detected	1799.6 Detected	Cep41	1.497295948	1.02005158	1.2224713	0.8328239
A_51_P3440	3339.6 Detected	4870.1 Detected	4164.5 Detected	5000.3 Detected	Nt5m	1.497275123	1.24700563	1.02673456	0.8551159
A_51_P2941	453.7 Detected	414.9 Detected	430.2 Detected	679.3 Detected	Chd2	1.497244875	0.94820366	1.63726199	1.0368764
A_55_P2423	348.5 Detected	430.8 Detected	348.6 Detected	521.7 Detected	AI464196	1.496987088	1.00028694	1.21100279	0.8091922
A_51_P4253	4246.3 Detected	4020 Detected	4450.3 Detected	6356.5 Detected	Smg9	1.496950286	1.04804182	1.58121891	1.1070398
A_55_P2083	14734.5 Detected	21563.4 Detected	15867.4 Detected	22056.2 Detected	Atp13a1	1.496908616	1.07688758	1.02285354	0.7358487
A_55_P2209	31.4 Detected	58.8 Detected	43.6 Detected	47 Detected	B430105A11Rik	1.496815287	1.38853503	0.79931973	0.7414966
A_51_P2020	9282.8 Detected	9934.6 Detected	9824.5 Detected	13894.6 Detected	Taf12	1.496811307	1.05835524	1.39860689	0.9889175
A_51_P4363	324.3 Detected	327.9 Detected	9.7 Not Detect	485.4 Detected	Hoxb5	1.496762257	0.02991058	1.48032937	0.0295822
A_51_P3981	2217.5 Detected	2371.6 Detected	1688.6 Detected	3318.4 Detected	Klhl2	1.496459977	0.76148816	1.39922415	0.7120088
A_55_P2185	68.9 Detected	76.8 Detected	87.7 Detected	103.1 Detected	Cage1	1.496371553	1.27285922	1.34244792	1.1419271
A_55_P2173	51.8 Detected	48.6 Detected	43.3 Detected	77.5 Detected	Samd3	1.496138996	0.83590734	1.59465021	0.8909465
A_52_P4419	7043.6 Detected	7294.2 Detected	4088 Detected	10537.1 Detected	Evc2	1.495982168	0.58038503	1.44458611	0.5604453
A_55_P2044	21735 Detected	22534.9 Detected	27259.8 Detected	32513.3 Detected	1810037117Rik	1.49589602	1.2541891	1.44279762	1.2096703
A_55_P2183	5667.4 Detected	4148.3 Detected	7422.5 Detected	8476.9 Detected	P2rx4	1.495729964	1.30968345	2.04346359	1.7892872
A_51_P3102	944.1 Detected	1243.5 Detected	845 Detected	1412.1 Detected	Fam118a	1.4957102	0.89503231	1.13558504	0.6795336
A_55_P2076	3822 Detected	5411.6 Detected	4344.6 Detected	5716.4 Detected	Ints10	1.495656724	1.13673469	1.05632345	0.802831
A_55_P1956	1327.5 Detected	1483.2 Detected	1577.1 Detected	1985.3 Detected	Ttc5	1.495517891	1.1880226	1.33852481	1.0633091
A_51_P3582	1392.4 Detected	1494.2 Detected	2033 Detected	2082.3 Detected	Tstd3	1.495475438	1.46006895	1.39358854	1.3605943
A_55_P2158	21.8 Detected	24.4 Detected	26 Detected	32.6 Not Detect	Olfcr39	1.495412844	1.19266055	1.33606557	1.0655738
A_55_P2042	14013.9 Detected	18180 Detected	11193.2 Detected	20956.3 Detected	Acd	1.495393859	0.79872127	1.15271177	0.6156876
A_55_P2080	649.3 Detected	624.1 Detected	517.7 Detected	970.9 Detected	Zfp691	1.495302634	0.79732019	1.55568018	0.8295145
A_52_P6456	144.8 Detected	145.6 Detected	209.9 Detected	216.5 Detected	Senp8	1.495165746	1.44958564	1.48695055	1.4416209
A_55_P2159	4695 Detected	4032 Detected	4024.4 Detected	7019.7 Detected	Herc1	1.49514377	0.8571672	1.74099702	0.9981151
A_55_P2020	19.8 Detected	22.2 Detected	24.2 Detected	29.6 Not Detect	Sgca	1.494949495	1.22222222	1.33333333	1.0900901
A_55_P2069	57.6 Detected	49.2 Detected	59.8 Detected	86.1 Detected	N6amt1	1.494791667	1.03819444	1.75	1.2154472
A_55_P2097	220.1 Detected	305 Detected	239.5 Detected	329 Detected	Itga10	1.494775102	1.08814175	1.07868852	0.7852459
A_51_P3404	4908.9 Detected	5594.3 Detected	6349.1 Detected	7337.6 Detected	Eefsec	1.494754426	1.29338548	1.31162076	1.134923
A_51_P3721	319.6 Detected	318.8 Detected	620.4 Detected	477.7 Detected	Pnkd	1.494680851	1.94117647	1.49843162	1.9460477
A_52_P1629	1065.9 Detected	786.4 Detected	2390.1 Detected	1593.1 Detected	Frat2	1.494605498	2.24233042	2.02581384	3.039293
A_51_P4871	9511 Detected	12087.1 Detected	10743.7 Detected	14214.9 Detected	Bud31	1.494574703	1.12960782	1.17603892	0.8888567
A_51_P3486	252.4 Detected	375.9 Detected	327.7 Detected	377.2 Detected	Zdhhc17	1.494453249	1.29833597	1.00345837	0.8717744
A_55_P2079	2451.6 Detected	2616 Detected	1617.2 Detected	3663.8 Detected	Ccdc68	1.494452602	0.65965084	1.40053517	0.6181957
A_52_P4144	3992.5 Detected	4624 Detected	5171.8 Detected	5966.4 Detected	Dcun1d1	1.494402004	1.29537884	1.29031142	1.1184689
A_51_P2255	11273.3 Detected	10380.7 Detected	13148.4 Detected	16846 Detected	Pnrc2	1.494327304	1.16633107	1.62281927	1.2666198

A_55_P2000	3529.2	Detected	4256.6	Detected	4467.1	Detected	5272.9	Detected	Mthfd11	1.494077978	1.26575428	1.23875863	1.0494526
A_66_P1242	33.4	Detected	25	Detected	29.8	Detected	49.9	Not Detect	Gm9910	1.494011976	0.89221557	1.996	1.192
A_51_P2681	949.4	Detected	821.3	Detected	1064.2	Detected	1418.2	Detected	Nat6	1.493785549	1.12091847	1.72677463	1.2957506
A_51_P4575	36097.1	Detected	27643.2	Detected	46986.2	Detected	53920.8	Detected	Ccnb2	1.493770968	1.30166135	1.95059906	1.6997381
A_55_P2207	54.3	Detected	88.5	Detected	39.9	Detected	81.1	Detected	LOC101056197	1.493554328	0.73480663	0.91638418	0.4508475
A_51_P4465	1135.9	Detected	1242	Detected	1483.5	Detected	1696.4	Detected	1810026J23Rik	1.493441324	1.30601285	1.36586151	1.1944444
A_55_P1986	486.4	Detected	682.6	Detected	466.8	Detected	726.4	Detected	Card6	1.493421053	0.95970395	1.06416642	0.6838558
A_55_P1961	256	Detected	245.8	Detected	174.9	Detected	382.3	Detected	Fam194a	1.493359375	0.68320313	1.55532954	0.7115541
A_55_P2316	383.4	Detected	581.8	Detected	472.5	Detected	572.5	Detected	Gfm2	1.493218571	1.23239437	0.98401513	0.8121348
A_55_P2106	79.3	Detected	73.5	Detected	75.8	Detected	118.4	Detected	Gm12349	1.493064313	0.95586381	1.61088435	1.0312925
A_55_P2410	115	Detected	93.6	Detected	78.9	Detected	171.7	Detected	2610028D06Rik	1.493043478	0.68608696	1.83440171	0.8429487
A_52_P5051	580.5	Detected	864.1	Detected	599.7	Detected	866.7	Detected	Jrk	1.493023256	1.03307494	1.00300891	0.6940169
A_55_P2119	16096.3	Detected	21497	Detected	16736.3	Detected	24031.8	Detected	Usp10	1.493001497	1.03976069	1.11791413	0.7785412
A_51_P2293	76.5	Detected	98.4	Detected	89.6	Detected	114.2	Detected	Trmt10b	1.492810458	1.17124183	1.16056911	0.9105691
A_55_P2030	401	Detected	496.6	Detected	374.8	Detected	598.4	Detected	Rnaseh2a	1.492269327	0.93466334	1.20499396	0.7547322
A_52_P1083	321.3	Detected	274.5	Detected	408.5	Detected	479.4	Detected	Ccdc71	1.492063492	1.27139745	1.74644809	1.4881603
A_55_P2167	17669.9	Detected	15138	Detected	20898.6	Detected	26363.2	Detected	Kank2	1.491983543	1.18272316	1.74152464	1.380539
A_55_P2009	51949.6	Detected	38612.2	Detected	71551.7	Detected	77505.8	Detected	Me1	1.49194219	1.37732918	2.00728785	1.8530853
A_55_P1985	3303.7	Detected	2867.6	Detected	2396.9	Detected	4928.3	Detected	Atg16l2	1.491751672	0.72551987	1.71861487	0.8358558
A_55_P2134	403.9	Detected	247.2	Detected	800.3	Detected	602.5	Detected	Rnf141	1.491705868	1.98143105	2.43729773	3.2374595
A_51_P3551	126.3	Detected	135.1	Detected	194.2	Detected	188.4	Detected	Gm7008	1.491686461	1.53760887	1.39452258	1.4374537
A_55_P2143	34.8	Detected	22.5	Detected	29.6	Detected	51.9	Detected	Ccdc108	1.49137931	0.85057471	2.30666667	1.3155556
A_55_P2214	144.5	Detected	78.7	Detected	142.6	Detected	215.5	Detected	LOC552907	1.491349481	0.98685121	2.73824651	1.8119441
A_55_P2098	34.6	Detected	48.5	Detected	37.2	Detected	51.6	Detected	Pp2d1	1.49132948	1.07514451	1.06391753	0.7670103
A_52_P2732	4550.7	Detected	5112.2	Detected	4816.5	Detected	6785.4	Detected	Mfn1	1.491067308	1.0584086	1.32729549	0.942158
A_55_P2078	3202.6	Detected	2305.9	Detected	2430	Detected	4775.2	Detected	Kmt2e	1.491038531	0.75875851	2.0708617	1.0538185
A_51_P1650	454.2	Detected	547.8	Detected	518.8	Detected	677.2	Detected	Slc22a5	1.49097314	1.14222809	1.2362176	0.947061
A_51_P4842	2514	Detected	4086.6	Detected	4160	Detected	3748.2	Detected	Slc7a6	1.490930788	1.65473349	0.91719278	1.0179611
A_51_P1091	12524	Detected	15659.5	Detected	18486.5	Detected	18670.8	Detected	Os9	1.490801661	1.47608592	1.1922986	1.1805294
A_55_P2059	10557.6	Detected	8956	Detected	8271.7	Detected	15737.6	Detected	Fastk	1.490641813	0.78348299	1.75721304	0.9235931
A_66_P1168	25.7	Detected	25.9	Detected	22.4	Detected	38.3	Not Detect	Gm1070	1.490272374	0.87159533	1.47876448	0.8648649
A_55_P2104	479.3	Detected	542.4	Detected	514.7	Detected	714.2	Detected	Sox21	1.490089714	1.07385771	1.31674041	0.9489307
A_55_P2328	396.2	Detected	284.9	Detected	874.7	Detected	590.3	Detected	Tle4	1.489904089	2.20772337	2.07195507	3.0702001
A_55_P2088	924.8	Detected	988.2	Detected	1029.3	Detected	1377.8	Detected	Trip4	1.48983564	1.1129974	1.39425218	1.0415908
A_51_P4177	493.9	Detected	404.8	Detected	417.8	Detected	735.8	Detected	Apaf1	1.489775258	0.84592023	1.81768775	1.0321146
A_55_P2004	106	Detected	111.8	Detected	116.8	Detected	157.9	Detected	Gm2694	1.489622642	1.10188679	1.41234347	1.0447227
A_51_P3788	158.1	Detected	175.9	Detected	170	Detected	235.5	Detected	Atg10	1.489563567	1.07526882	1.33882888	0.9664582
A_51_P3496	7384.8	Detected	11455.3	Detected	8474.5	Detected	11000.1	Detected	Taf5l	1.489559636	1.14755985	0.96026294	0.7397886
A_55_P2013	7994.5	Detected	7882.4	Detected	7448.4	Detected	11906.9	Detected	Prkag2	1.489386453	0.93169054	1.51056785	0.9449406
A_66_P1025	1291.3	Detected	1722.9	Detected	1484.7	Detected	1923.1	Detected	Fam114a2	1.489274375	1.14977155	1.11619943	0.8617447

A_55_P1954	4817.5	Detected	6509.1	Detected	6639.1	Detected	7174.3	Detected	Ccdc115	1.489216399	1.37812143	1.10219539	1.019972
A_55_P2096	277.2	Detected	237.4	Detected	266.2	Detected	412.8	Detected	Rasgrf2	1.489177489	0.96031746	1.73883741	1.1213142
A_55_P2029	9.2	Not Detect	14.9	Detected	10.2	Not Detect	13.7	Not Detect	Gm7849	1.489130435	1.10869565	0.91946309	0.6845638
A_51_P2852	7285.9	Detected	5595.9	Detected	7679.1	Detected	10849.3	Detected	Ccdc61	1.489081651	1.05396725	1.93879447	1.3722726
A_51_P2936	393.3	Detected	467.6	Detected	614.2	Detected	585.6	Detected	Mrps14	1.488939741	1.56165777	1.25235244	1.3135158
A_55_P2097	15201.9	Detected	14520.1	Detected	13687	Detected	22630.6	Detected	Idua	1.48866918	0.90034798	1.55857053	0.9426244
A_55_P2397	339.1	Detected	239.2	Detected	369.9	Detected	504.8	Detected	B430316J06Rik	1.488646417	1.09082866	2.11036789	1.5464047
A_51_P1445	14505.8	Detected	19093.2	Detected	23422.4	Detected	21593	Detected	Pgrmc1	1.488576983	1.61469205	1.13092619	1.2267404
A_66_P1387	3403.5	Detected	3139.5	Detected	3473.9	Detected	5066.3	Detected	Trappc10	1.488555898	1.02068459	1.6137283	1.1065138
A_51_P2263	89912.5	Detected	76688.9	Detected	127984.1	Detected	133834.7	Detected	Coa3	1.488499374	1.42342945	1.7451639	1.6688739
A_55_P2023	47.3	Detected	53.8	Detected	43.4	Detected	70.4	Detected	Cd300c	1.488372093	0.91754757	1.30855019	0.8066914
A_55_P1974	25.4	Detected	39.5	Detected	16.2	Not Detect	37.8	Not Detect	Plch2	1.488188976	0.63779528	0.95696203	0.4101266
A_65_P1978	1983.3	Detected	2207.5	Detected	2602.3	Detected	2951	Detected	Klf9	1.487924167	1.31210609	1.33680634	1.1788448
A_66_P1152	20.7	Detected	11.7	Not Detect	38	Detected	30.8	Not Detect	1810010D01Rik	1.487922705	1.83574879	2.63247863	3.2478632
A_55_P2075	24.8	Detected	11	Not Detect	22.2	Detected	36.9	Not Detect	Ankrd16	1.487903226	0.89516129	3.35454545	2.0181818
A_55_P2169	77.7	Detected	78.4	Detected	62.5	Detected	115.6	Detected	Gm3764	1.487773488	0.8043758	1.4744898	0.7971939
A_55_P2143	40.8	Detected	38.7	Detected	43.2	Detected	60.7	Detected	Fsbp	1.487745098	1.05882353	1.56847545	1.1162791
A_55_P1987	3798.9	Detected	4366.3	Detected	5177.6	Detected	5651.5	Detected	Fuom	1.487667483	1.36292085	1.29434533	1.1858095
A_55_P2118	1648.5	Detected	1488.5	Detected	1907	Detected	2452.3	Detected	Hk1	1.487594783	1.15680922	1.64749748	1.2811555
A_55_P2153	780.5	Detected	492.3	Detected	706.5	Detected	1160.9	Detected	Ralgsd	1.487379885	0.90518898	2.35811497	1.4351005
A_52_P5466	523.8	Detected	408.5	Detected	502.8	Detected	779	Detected	1700029I15Rik	1.487208858	0.95990836	1.90697674	1.2308446
A_66_P1081	5925.6	Detected	6601.8	Detected	5604.6	Detected	8811.5	Detected	Cbr1	1.487022411	0.94582827	1.33471175	0.8489503
A_55_P2082	11479.3	Detected	13652.8	Detected	16705.8	Detected	17069.9	Detected	1500011K16Rik	1.487015759	1.4552978	1.25028566	1.2236171
A_55_P2015	34.5	Detected	46.6	Detected	111	Detected	51.3	Detected	Enho	1.486956522	3.2173913	1.10085837	2.3819742
A_55_P2396	1266.2	Detected	1508.6	Detected	1114.7	Detected	1882.7	Detected	1810073O08Rik	1.486889907	0.88035066	1.24797826	0.738897
A_51_P4183	5326.7	Detected	7169.9	Detected	6692.6	Detected	7918.8	Detected	Nudcd2	1.486623989	1.25642518	1.10445055	0.93343
A_55_P2068	263.3	Detected	178.7	Detected	291.2	Detected	391.4	Detected	Spaca4	1.486517281	1.10596278	2.19026301	1.6295467
A_65_P1679	593	Detected	582	Detected	537.2	Detected	881.5	Detected	Psd4	1.486509275	0.90590219	1.51460481	0.9230241
A_51_P3133	40.5	Detected	44.9	Detected	50.4	Detected	60.2	Detected	1700121C10Rik	1.486419753	1.24444444	1.34075724	1.1224944
A_52_P6428	231.5	Detected	297.7	Detected	302.9	Detected	344.1	Detected	Lats1	1.486393089	1.30842333	1.15586161	1.0174672
A_52_P7265	19778.6	Detected	17303.5	Detected	19074.7	Detected	29395.5	Detected	Slc25a17	1.486227539	0.96441103	1.69881816	1.1023608
A_66_P1205	28883.1	Detected	28056.4	Detected	37499.9	Detected	42912.8	Detected	Pam16	1.485740797	1.29833363	1.52951911	1.3365899
A_55_P2025	202.2	Detected	287.6	Detected	327.3	Detected	300.4	Detected	Hif3a	1.485657765	1.61869436	1.04450626	1.1380389
A_55_P2061	2573.6	Detected	4383.3	Detected	3495.3	Detected	3822.4	Detected	Hspa4	1.485234691	1.35813646	0.87203705	0.7974129
A_51_P1143	917.6	Detected	1025.4	Detected	1038.8	Detected	1362.8	Detected	Ctu1	1.485178727	1.1320837	1.32904232	1.0130681
A_55_P2098	1436.5	Detected	913.4	Detected	3448.7	Detected	2133.4	Detected	Sh2d3c	1.485137487	2.40076575	2.33566893	3.7756733
A_51_P2782	33.4	Detected	32.2	Detected	69.9	Detected	49.6	Detected	Gltpd2	1.48502994	2.09281437	1.54037267	2.1708075
A_55_P2015	1379.5	Detected	2299.8	Detected	4487.8	Detected	2048.3	Detected	C1ra	1.484813338	3.25320768	0.89064266	1.9513871
A_52_P3814	1908.4	Detected	2091	Detected	2358.2	Detected	2833.5	Detected	Slc35b4	1.484751624	1.23569482	1.35509326	1.1277857
A_66_P1272	4102.6	Detected	4284.9	Detected	5177.4	Detected	6090.7	Detected	Ing3	1.484595135	1.26198021	1.42143341	1.2082896

A_55_P2052	168567.2	Detected	233182.6	Detected	224681.4	Detected	250226.4	Detected	Mif	1.484431135	1.3328892	1.07309207	0.9635427
A_55_P2120	35.3	Detected	37.2	Detected	43.5	Detected	52.4	Not Detect	Map3k12	1.484419263	1.23229462	1.40860215	1.1693548
A_55_P2131	32253.5	Detected	29754.6	Detected	30113.5	Detected	47875.6	Detected	Zfp663	1.484353636	0.93365061	1.60901508	1.012062
A_55_P2320	49.6	Detected	70.2	Detected	61.7	Detected	73.6	Detected	D15ErtD509e	1.483870968	1.24395161	1.04843305	0.8789174
A_55_P2000	589.5	Detected	714.6	Detected	587.1	Detected	874.7	Detected	Dnaic1	1.48379983	0.99592875	1.22404142	0.8215785
A_55_P2080	2965.4	Detected	3782.7	Detected	3423.4	Detected	4399.9	Detected	Cmtm7	1.483745869	1.15444797	1.16316388	0.9050149
A_51_P4293	386.8	Detected	654.1	Detected	5.5	Not Detect	573.9	Detected	Neto2	1.483712513	0.01421923	0.87738878	0.0084085
A_55_P1994	15.3	Detected	17.8	Detected	23.8	Detected	22.7	Not Detect	Emx2os	1.483660131	1.55555556	1.2752809	1.3370787
A_55_P2075	1579.8	Detected	1345.5	Detected	1456.1	Detected	2343.5	Detected	Apc2	1.483415622	0.92169895	1.7417317	1.0821999
A_55_P2023	23.8	Detected	17.6	Not Detect	31.8	Detected	35.3	Not Detect	Nlrp1a	1.483193277	1.33613445	2.00568182	1.8068182
A_52_P5471	4385.1	Detected	5367.4	Detected	7100.7	Detected	6503.9	Detected	Tab2	1.483181683	1.61927892	1.21174125	1.322931
A_55_P1968	3146.1	Detected	3748.4	Detected	2958.6	Detected	4666	Detected	Cbr4	1.483106068	0.9404024	1.24479778	0.7892968
A_51_P5189	2370.5	Detected	2215.7	Detected	2325.8	Detected	3515.3	Detected	2310047M10Rik	1.482936089	0.98114322	1.5865415	1.0496908
A_55_P2129	712.1	Detected	583.1	Detected	180.2	Detected	1055.9	Detected	Smad9	1.48279736	0.25305435	1.81083862	0.3090379
A_51_P2925	5699.3	Detected	8189.8	Detected	7264.4	Detected	8450.2	Detected	Xpot	1.482673311	1.27461267	1.03179565	0.8870058
A_51_P2672	127.7	Detected	93.3	Detected	139.3	Detected	189.3	Detected	Slc15a2	1.482380579	1.0908379	2.02893891	1.4930332
A_55_P2117	31041.3	Detected	31178.6	Detected	41043.5	Detected	46008	Detected	Pam16	1.48215442	1.32222233	1.47562751	1.3163997
A_66_P1002	63.5	Detected	84.5	Detected	53.7	Detected	94.1	Detected	Rhox1	1.481889764	0.84566929	1.11360947	0.635503
A_55_P1970	914.6	Detected	929	Detected	1303.5	Detected	1355.3	Detected	Aamdc	1.481849989	1.42521321	1.45888052	1.4031216
A_55_P2015	164	Detected	205.2	Detected	119.8	Detected	243	Detected	Wwox	1.481707317	0.7304878	1.18421053	0.5838207
A_55_P1999	84840	Detected	101119.1	Detected	80899.1	Detected	125705.5	Detected	Gm10631	1.481677275	0.95354903	1.24314299	0.8000378
A_52_P1890	128.1	Detected	149.9	Detected	136.2	Detected	189.8	Detected	Gk5	1.481654957	1.06323185	1.26617745	0.9086057
A_55_P1956	392.2	Detected	475.6	Detected	470.9	Detected	581.1	Detected	Dis3l2	1.481642019	1.20066293	1.22182506	0.9901177
A_55_P2161	372.9	Detected	338.7	Detected	398.4	Detected	552.5	Detected	Serpina3b	1.481630464	1.06838294	1.63123708	1.1762622
A_55_P2275	805.4	Detected	663.5	Detected	719.6	Detected	1193.3	Detected	Th	1.481624038	0.89346908	1.79849284	1.0845516
A_52_P5636	10833.5	Detected	11706.1	Detected	10123.4	Detected	16050.2	Detected	Ssbp4	1.48153413	0.93445332	1.37109712	0.864797
A_55_P2426	73.1	Detected	70.1	Detected	83.3	Detected	108.3	Detected	D530017H19Rik	1.481532148	1.13953488	1.54493581	1.1883024
A_55_P2096	442.3	Detected	461.1	Detected	400.6	Detected	655.2	Detected	Polr2c	1.481347502	0.9057201	1.4209499	0.868792
A_55_P2102	627.6	Detected	585.1	Detected	744.8	Detected	929.6	Detected	Fbxl4	1.481198215	1.18674315	1.58878824	1.2729448
A_55_P2279	292.2	Detected	302	Detected	281.5	Detected	432.8	Detected	5430400D12Rik	1.481177276	0.96338125	1.43311258	0.9321192
A_55_P2024	77374	Detected	90026.9	Detected	117643.1	Detected	114601.8	Detected	Atp5l	1.481140952	1.52044744	1.27297286	1.306755
A_52_P1869	136.2	Detected	151.1	Detected	230.5	Detected	201.7	Detected	Dennd6a	1.480910426	1.69236417	1.33487756	1.5254798
A_55_P1995	898.2	Detected	1013.4	Detected	1327.8	Detected	1330.1	Detected	H2-Q10	1.48085059	1.47828991	1.31251233	1.3102427
A_52_P3909	33.9	Detected	21.4	Detected	10.2	Not Detect	50.2	Detected	Ccdc96	1.480825959	0.30088496	2.34579439	0.4766355
A_66_P1094	156.2	Detected	236.4	Detected	257.4	Detected	231.2	Detected	Mtfr2	1.480153649	1.64788732	0.97800338	1.0888325
A_55_P2066	122.7	Detected	161.3	Detected	70.6	Detected	181.6	Detected	Prmt6	1.4800326	0.57538712	1.12585245	0.4376937
A_51_P1771	37.5	Detected	28.9	Detected	46	Detected	55.5	Detected	Rdh19	1.48	1.22666667	1.92041522	1.5916955
A_55_P2035	234.4	Detected	283.3	Detected	777.6	Detected	346.9	Detected	D5ErtD605e	1.479948805	3.31740614	1.224497	2.7447935
A_55_P2040	2286.3	Detected	2744.3	Detected	2647.7	Detected	3383.4	Detected	Gm1604b	1.479858286	1.15807199	1.2328827	0.9647998
A_51_P1514	20554.6	Detected	27418.7	Detected	38994.1	Detected	30415.1	Detected	Atp1b1	1.479722301	1.89709846	1.10928308	1.4221717

A_55_P1968	22.1 Detected	23.7 Detected	89 Detected	32.7 Not Detect	Agbl3	1.479638009	4.02714932	1.37974684	3.7552743
A_51_P3318	38.8 Detected	38.3 Detected	34.1 Detected	57.4 Detected	Tcl1b4	1.479381443	0.87886598	1.49869452	0.8903394
A_55_P2022	1374.7 Detected	1560.8 Detected	2412 Detected	2033.6 Detected	Pdss2	1.479304576	1.75456463	1.30292158	1.5453614
A_51_P3938	4712.7 Detected	5008.6 Detected	6775.5 Detected	6970.8 Detected	Mpi	1.479152078	1.43771087	1.39176616	1.3527732
A_55_P2025	14770.1 Detected	16987.2 Detected	21835.5 Detected	21846.9 Detected	Immt	1.479130135	1.4783583	1.28608011	1.285409
A_66_P1117	6702.1 Detected	8492 Detected	7097.5 Detected	9912.8 Detected	Gatad2a	1.479058802	1.05899643	1.16731041	0.8357866
A_55_P1975	23.8 Detected	36.3 Detected	29.2 Detected	35.2 Not Detect	Crygc	1.478991597	1.22689076	0.96969697	0.8044077
A_51_P2296	59.3 Detected	64.9 Detected	67.5 Detected	87.7 Detected	Pcsk2	1.478920742	1.13827993	1.35130971	1.0400616
A_55_P1984	10847.1 Detected	16452.1 Detected	10979.6 Detected	16041.6 Detected	Zc3h18	1.478883757	1.01221525	0.97504878	0.6673677
A_51_P2863	32789.6 Detected	42630.7 Detected	30149.3 Detected	48489.8 Detected	2310036O22Rik	1.478816454	0.91947752	1.13743851	0.7072204
A_52_P3855	47.2 Detected	52.8 Detected	16.2 Detected	69.8 Detected	Ddx58	1.478813559	0.34322034	1.3219697	0.3068182
A_51_P2287	28.2 Detected	34 Detected	18.3 Detected	41.7 Not Detect	Kcnc4	1.478723404	0.64893617	1.22647059	0.5382353
A_55_P1992	72318.2 Detected	90258.7 Detected	67358.8 Detected	106917.8 Detected	Vdac3	1.478435581	0.93142252	1.18457057	0.746286
A_55_P2008	1582.4 Detected	3363.2 Detected	2237.3 Detected	2339.3 Detected	Itp1	1.478324065	1.41386502	0.6955578	0.6652295
A_52_P2068	3075.5 Detected	2940.6 Detected	4462.6 Detected	4546 Detected	Prpf18	1.478133637	1.45101609	1.545943	1.5175814
A_55_P2011	20.5 Detected	42.4 Detected	26.3 Detected	30.3 Not Detect	Meiob	1.47804878	1.28292683	0.71462264	0.620283
A_51_P2264	997.2 Detected	1558.5 Detected	1385.8 Detected	1473.9 Detected	Rhobtb2	1.478038508	1.38969114	0.94571704	0.8891883
A_55_P1975	1674.1 Detected	1921.1 Detected	1535.2 Detected	2474.3 Detected	Gm10777	1.477988173	0.91703005	1.28796002	0.7991255
A_55_P1996	79173.2 Detected	95871.8 Detected	75735.4 Detected	117013.9 Detected	Cdc20	1.477948346	0.95657874	1.2205247	0.7899653
A_55_P2168	61.1 Detected	56.8 Detected	65.8 Detected	90.3 Detected	Pik3c2b	1.477905074	1.07692308	1.58978873	1.1584507
A_55_P2041	72.4 Detected	73.3 Detected	68.3 Detected	107 Detected	Slc2a13	1.477900552	0.94337017	1.45975443	0.9317872
A_52_P5062	2418.5 Detected	4017.1 Detected	3906.9 Detected	3574.2 Detected	Cmtm4	1.477858177	1.61542278	0.88974633	0.9725673
A_52_P4064	227.3 Detected	307.4 Detected	291 Detected	335.9 Detected	Mbtps1	1.477782666	1.28024637	1.09271308	0.9466493
A_55_P2038	181.9 Detected	116.1 Detected	188.1 Detected	268.8 Detected	Ptprj	1.477735019	1.03408466	2.31524548	1.620155
A_51_P3913	1678.9 Detected	802.1 Detected	1075.3 Detected	2480.4 Detected	Fam63b	1.477395914	0.64047888	3.0923825	1.3406059
A_51_P5083	15585.2 Detected	25358.5 Detected	16333.7 Detected	23021.8 Detected	Cdc16	1.477157816	1.04802633	0.90785338	0.6441114
A_51_P3998	4401.9 Detected	5359.9 Detected	5416.3 Detected	6501.9 Detected	Ap4b1	1.477066721	1.23044594	1.21306368	1.0105226
A_55_P2125	103.4 Detected	154.3 Detected	93 Detected	152.7 Detected	4930523C07Rik	1.476789168	0.89941973	0.98963059	0.602722
A_55_P2119	34.4 Detected	23.2 Detected	28.5 Detected	50.8 Not Detect	Foxe3	1.476744186	0.82848837	2.18965517	1.2284483
A_55_P2032	47.2 Detected	37.2 Detected	48.3 Detected	69.7 Detected	Ajap1	1.476694915	1.02330508	1.87365591	1.2983871
A_55_P2074	379.1 Detected	322 Detected	337.8 Detected	559.8 Detected	Cpt2	1.476655236	0.89105777	1.73850932	1.0490683
A_55_P1998	111.2 Detected	114.1 Detected	118.6 Detected	164.2 Detected	Ccser1	1.476618705	1.06654676	1.43908852	1.0394391
A_55_P2009	172.5 Detected	190.8 Detected	169.9 Detected	254.7 Detected	Ovch2	1.476521739	0.98492754	1.33490566	0.8904612
A_51_P1477	593.9 Detected	1048 Detected	522 Detected	876.6 Detected	Sugp2	1.476006062	0.87893585	0.83645038	0.4980916
A_55_P2156	280.9 Detected	331.9 Detected	473.9 Detected	414.6 Detected	Pdss2	1.475970096	1.68707725	1.24917144	1.4278397
A_55_P2101	221.5 Detected	130 Detected	208.2 Detected	326.9 Detected	Alpk1	1.475846501	0.93995485	2.51461538	1.6015385
A_51_P4068	32.6 Detected	34.5 Detected	34.3 Detected	48.1 Detected	Mei1	1.475460123	1.05214724	1.3942029	0.9942029
A_55_P2146	703.6 Detected	723.7 Detected	1220.3 Detected	1038 Detected	Ccdc107	1.47527004	1.73436612	1.43429598	1.6861959
A_66_P1300	20.2 Detected	31.4 Detected	16.6 Not Detect	29.8 Not Detect	Klk1b24	1.475247525	0.82178218	0.94904459	0.5286624
A_55_P2173	80.6 Detected	85.1 Detected	91 Detected	118.9 Detected	Insr	1.475186104	1.12903226	1.39717979	1.0693302

A_52_P5378	355.3 Detected	331.5 Detected	537.7 Detected	524.1 Detected	Fam120b	1.475091472	1.51336898	1.58099548	1.6220211
A_52_P3506	8644.7 Detected	8089.4 Detected	9830 Detected	12751.3 Detected	Mrm1	1.475042512	1.13711291	1.57629738	1.2151705
A_55_P2034	3746.5 Detected	3650.2 Detected	4540 Detected	5525.4 Detected	Zscan26	1.474816495	1.21179768	1.51372528	1.2437675
A_52_P3166	2756.6 Detected	2799.4 Detected	4196.4 Detected	4065.4 Detected	Bet1	1.474787782	1.52231009	1.45223977	1.4990355
A_55_P2062	27724.6 Detected	26139.4 Detected	31977.4 Detected	40883.7 Detected	Atp6v0a1	1.474636244	1.15339446	1.56406421	1.223341
A_55_P1980	17.7 Detected	16.9 Not Detect	13.4 Not Detect	26.1 Not Detect	4921504E06Rik	1.474576271	0.75706215	1.5443787	0.7928994
A_51_P2089	5757.6 Detected	12204.8 Detected	8021.7 Detected	8489.7 Detected	Stc2	1.474520634	1.39323677	0.69560337	0.6572578
A_55_P2010	17.5 Detected	25.9 Detected	19.2 Not Detect	25.8 Not Detect	Apc	1.474285714	1.09714286	0.996139	0.7413127
A_52_P6041	7707.4 Detected	7418.3 Detected	14043.4 Detected	11362.5 Detected	Mbp	1.474232556	1.8220671	1.53168516	1.8930752
A_55_P2156	789.4 Detected	824.3 Detected	825.2 Detected	1163.7 Detected	Btbd16	1.474157588	1.0453509	1.4117433	1.0010918
A_55_P2157	671.4 Detected	909.4 Detected	877 Detected	989.7 Detected	Mlit3	1.474084004	1.3062258	1.08829998	0.9643721
A_52_P5404	14173.2 Detected	12514.7 Detected	16766.6 Detected	20890.9 Detected	Ppp1cc	1.473972003	1.18297914	1.66930889	1.3397525
A_55_P2002	17.1 Detected	18.9 Detected	15.7 Not Detect	25.2 Not Detect	Olah	1.473684211	0.91812865	1.33333333	0.8306878
A_52_P6419	464.3 Detected	467 Detected	707.1 Detected	684.2 Detected	Nhlrc3	1.473616196	1.52293776	1.46509636	1.5141328
A_55_P2012	3108.8 Detected	3659.2 Detected	2623.7 Detected	4581.1 Detected	Lrrc8e	1.473591096	0.84395908	1.25194031	0.7170146
A_55_P2083	16794.5 Detected	15659.8 Detected	19081.7 Detected	24745.2 Detected	Irf3	1.473410938	1.13618744	1.58017344	1.2185149
A_55_P1990	14.8 Detected	13.3 Not Detect	17.4 Detected	21.8 Not Detect	Dlgap3	1.472972973	1.17567568	1.63909774	1.3082707
A_55_P2058	27.7 Detected	45.3 Detected	70.5 Detected	40.8 Not Detect	Fancc	1.472924188	2.54512635	0.90066225	1.5562914
A_52_P5891	1404.1 Detected	1624.8 Detected	1855.9 Detected	2068.1 Detected	Rhno1	1.472900791	1.32177195	1.27283358	1.1422329
A_55_P2408	250.5 Detected	312.6 Detected	234.9 Detected	368.9 Detected	Kcnq1ot1	1.472654691	0.93772455	1.18010237	0.7514395
A_55_P2151	3402.1 Detected	4339.5 Detected	4258.7 Detected	5009 Detected	Dis3l2	1.472325916	1.25178566	1.15428045	0.9813803
A_51_P2794	3663.5 Detected	5937.6 Detected	3302.4 Detected	5393.7 Detected	Farsa	1.472280606	0.90143306	0.90839733	0.5561843
A_55_P2070	3597.7 Detected	3599.1 Detected	2705.7 Detected	5296.5 Detected	Wdfy1	1.472190566	0.75206382	1.4716179	0.7517713
A_55_P2059	472.7 Detected	575.5 Detected	469.8 Detected	695.9 Detected	Gon4l	1.472181087	0.99386503	1.20920938	0.8163336
A_55_P1996	118.6 Detected	123 Detected	99.7 Detected	174.6 Detected	Wdr38	1.472175379	0.84064081	1.4195122	0.8105691
A_55_P2007	35749.1 Detected	35367.2 Detected	28278.4 Detected	52627.2 Detected	Mepce	1.472126571	0.79102411	1.4880228	0.7995657
A_55_P2169	5514.8 Detected	4123.9 Detected	3832.9 Detected	8117.6 Detected	Mfsd6	1.471966345	0.69502067	1.96842794	0.9294357
A_55_P2142	1976 Detected	1785.8 Detected	1794.7 Detected	2908 Detected	Parp9	1.471659919	0.90824899	1.62840184	1.0049838
A_55_P2122	1201.8 Detected	1202.9 Detected	897.7 Detected	1768.6 Detected	Polm	1.471625894	0.74696289	1.47028016	0.7462798
A_51_P3991	383.9 Detected	901.8 Detected	565 Detected	564.9 Detected	Ppm1j	1.471476947	1.47173743	0.62641384	0.6265247
A_52_P4897	395.3 Detected	262.1 Detected	807.7 Detected	581.6 Detected	Ablim1	1.47128763	2.04325828	2.21900038	3.0816482
A_51_P4419	170.6 Detected	190.7 Detected	180.9 Detected	251 Detected	Stox2	1.471277843	1.06037515	1.31620346	0.9486104
A_55_P2072	45.2 Detected	45.3 Detected	41.7 Detected	66.5 Detected	Pisd-ps3	1.471238938	0.92256637	1.46799117	0.9205298
A_51_P1594	32.9 Detected	27.2 Detected	25.9 Detected	48.4 Not Detect	Ocrl	1.47112462	0.78723404	1.77941176	0.9522059
A_55_P2050	13180 Detected	13807.4 Detected	16840.8 Detected	19389.1 Detected	I7Rn6	1.471100152	1.27775417	1.40425424	1.2196938
A_51_P2273	36.3 Detected	27.8 Detected	56 Detected	53.4 Detected	Dpep1	1.47107438	1.54269972	1.92086331	2.0143885
A_52_P6622	389.8 Detected	469.2 Detected	510.3 Detected	573.3 Detected	Slc25a47	1.470754233	1.30913289	1.22186701	1.0875959
A_55_P1985	2487 Detected	4269.3 Detected	2134.9 Detected	3657.3 Detected	Pard3	1.470566948	0.8584238	0.85665097	0.5000586
A_55_P1971	14251.7 Detected	13848.8 Detected	20640.1 Detected	20957.8 Detected	Ift46	1.470547373	1.4482553	1.51332967	1.4903891
A_55_P2255	42.3 Detected	52.4 Detected	81.1 Detected	62.2 Detected	2610020C07Rik	1.470449173	1.91725768	1.1870229	1.5477099

A_52_P1138	84.2 Detected	102.4 Detected	92.5 Detected	123.8 Detected	1600025M17Rik	1.470308789	1.09857482	1.20898438	0.9033203
A_55_P2033	10961.1 Detected	10289.8 Detected	10543 Detected	16115.5 Detected	Cpt2	1.470244775	0.96185602	1.56616261	1.0246069
A_55_P2058	220.1 Detected	326.8 Detected	239.1 Detected	323.6 Detected	Slc35e3	1.4702408	1.0863244	0.99020808	0.7316401
A_55_P2054	78.5 Detected	70.6 Detected	63.3 Detected	115.4 Detected	Gm3285	1.470063694	0.80636943	1.63456091	0.8966006
A_51_P3242	433.6 Detected	520.1 Detected	541.1 Detected	637.4 Detected	Dcaf5	1.47001845	1.24792435	1.22553355	1.0403769
A_55_P2101	10871.9 Detected	16047 Detected	15808.6 Detected	15981.3 Detected	Pcmt1	1.469963852	1.45407886	0.99590578	0.9851436
A_55_P1974	412.2 Detected	834.2 Detected	326.3 Detected	605.9 Detected	Pde1b	1.469917516	0.79160602	0.72632462	0.3911532
A_52_P1933	651.2 Detected	791 Detected	644.9 Detected	957.2 Detected	Chmp4c	1.46990172	0.99032555	1.21011378	0.8152971
A_51_P4629	1386.5 Detected	1563.8 Detected	1905.7 Detected	2038 Detected	Ap5m1	1.469888208	1.37446809	1.30323571	1.2186341
A_55_P2033	6346.5 Detected	5649.3 Detected	6922.8 Detected	9328.2 Detected	Sppl2a	1.46981801	1.09080596	1.65121342	1.2254262
A_55_P2210	160.8 Detected	114 Detected	85.1 Detected	236.3 Detected	Mroh1	1.469527363	0.52922886	2.07280702	0.7464912
A_52_P2636	68.8 Detected	58.1 Detected	51.4 Detected	101.1 Detected	Hes2	1.469476744	0.74709302	1.74010327	0.8846816
A_52_P6403	247.1 Detected	404.6 Detected	331.9 Detected	363.1 Detected	Usp53	1.469445569	1.3431809	0.89742956	0.8203164
A_55_P2065	1049.5 Detected	892 Detected	1796.1 Detected	1541.9 Detected	Zfp189	1.469175798	1.71138637	1.72858744	2.013565
A_52_P2630	93745.9 Detected	70254.3 Detected	78513.8 Detected	137722.2 Detected	Ahnak	1.469101049	0.83751716	1.96033837	1.1175658
A_55_P2168	19.4 Detected	21.2 Detected	14.4 Not Detect	28.5 Not Detect	Gm3881	1.469072165	0.74226804	1.34433962	0.6792453
A_52_P1808	890.5 Detected	956 Detected	794.7 Detected	1308.2 Detected	Exoc3	1.469062325	0.89241999	1.36841004	0.8312762
A_55_P2135	4971.3 Detected	5654.8 Detected	3686.1 Detected	7301.2 Detected	Zfp358	1.468670167	0.74147607	1.29115088	0.6518533
A_55_P2054	1170.3 Detected	875.5 Detected	563.4 Detected	1718.5 Detected	Fam178b	1.468426899	0.48141502	1.96287836	0.643518
A_51_P5193	5216.8 Detected	4463.7 Detected	6673.1 Detected	7659.9 Detected	Sacm1l	1.468313909	1.2791558	1.71604274	1.4949705
A_55_P2243	913.5 Detected	916.2 Detected	642.3 Detected	1341.2 Detected	Gdap10	1.468199234	0.70311987	1.46387252	0.7010478
A_55_P2423	8636.2 Detected	9120.9 Detected	6677 Detected	12679.2 Detected	B230369F24Rik	1.468145712	0.77314096	1.39012597	0.732055
A_55_P2028	90.8 Detected	72.1 Detected	97.8 Detected	133.3 Detected	E030019B06Rik	1.468061674	1.07709251	1.84882108	1.3564494
A_55_P2152	139.6 Detected	111.8 Detected	91.1 Detected	204.9 Detected	Mfsd6	1.467765043	0.6525788	1.83273703	0.8148479
A_52_P3709	172.1 Detected	121.7 Detected	213.6 Detected	252.6 Detected	Magi1	1.467751307	1.24113887	2.07559573	1.7551356
A_55_P2182	133.2 Detected	147.5 Detected	132.1 Detected	195.5 Detected	Wars2	1.467717718	0.99174174	1.32542373	0.8955932
A_51_P2923	475.3 Detected	502.1 Detected	878.6 Detected	697.6 Detected	Tmco6	1.467704608	1.84851673	1.38936467	1.7498506
A_66_P1247	2739.8 Detected	5193.3 Detected	3995.9 Detected	4021 Detected	Fut8	1.467625374	1.45846412	0.77426684	0.7694337
A_55_P2252	33.8 Detected	33.3 Detected	66.3 Detected	49.6 Detected	Stamos	1.467455621	1.96153846	1.48948949	1.990991
A_52_P4098	3893 Detected	2568.3 Detected	5459.6 Detected	5712.7 Detected	Plat	1.467428718	1.40241459	2.2243118	2.1257641
A_55_P2079	23618.9 Detected	39047.6 Detected	24095.8 Detected	34653.8 Detected	LOC631033	1.467206347	1.02019146	0.8874758	0.6170879
A_51_P3685	2903.6 Detected	2958.8 Detected	4519.6 Detected	4259.5 Detected	Tle6	1.466972035	1.55655049	1.43960389	1.5275112
A_51_P1892	3097.1 Detected	3840.5 Detected	3712.9 Detected	4542.7 Detected	Mbnl2	1.466759226	1.19883116	1.18284078	0.9667752
A_51_P2114	10145.6 Detected	10407.3 Detected	11136 Detected	14880.9 Detected	Gusb	1.466734348	1.09761867	1.42985212	1.0700182
A_55_P2073	194.6 Detected	244.8 Detected	172.8 Detected	285.4 Detected	Mina	1.46659815	0.88797533	1.16584967	0.7058824
A_55_P2382	76.1 Detected	62.1 Detected	66.9 Detected	111.6 Detected	Slc38a9	1.466491459	0.87910644	1.79710145	1.0772947
A_55_P2185	239.9 Detected	653.2 Detected	315 Detected	351.8 Detected	Copz2	1.466444352	1.3130471	0.5385793	0.4822413
A_55_P2097	28.3 Detected	52 Detected	50.6 Detected	41.5 Not Detect	Tctex1d4	1.466431095	1.78798587	0.79807692	0.9730769
A_55_P2111	238 Detected	324.7 Detected	223.8 Detected	349 Detected	Itga10	1.466386555	0.94033613	1.07483831	0.6892516
A_55_P2376	20.8 Detected	13.5 Not Detect	19.5 Detected	30.5 Not Detect	4.93E+23	1.466346154	0.9375	2.25925926	1.4444444

A_52_P7577	380	Detected	2546.3	Detected	394.6	Detected	557.2	Detected	Lgr6	1.466315789	1.03842105	0.21882732	0.15497
A_52_P5659	687.6	Detected	557.5	Detected	621.2	Detected	1008.2	Detected	Nsd1	1.466259453	0.90343223	1.80843049	1.1142601
A_51_P1028	1426.1	Detected	1219.3	Detected	1587.1	Detected	2091	Detected	Herpud2	1.466236589	1.11289531	1.7149184	1.3016485
A_55_P2027	42095.3	Detected	36809	Detected	48380.9	Detected	61719	Detected	Hk1	1.466173183	1.14931833	1.67673667	1.3143769
A_52_P5374	252.7	Detected	283.1	Detected	211.3	Detected	370.5	Detected	Sec62	1.466165414	0.83616937	1.30872483	0.7463794
A_55_P2146	9330.5	Detected	9753.2	Detected	8555.6	Detected	13678.6	Detected	Camta2	1.466009324	0.91694979	1.40247303	0.8772095
A_65_P0909	7628.9	Detected	7297.5	Detected	8888.1	Detected	11183.6	Detected	Arih2	1.465951841	1.16505656	1.53252484	1.2179651
A_66_P1391	83.7	Detected	71.8	Detected	110.5	Detected	122.7	Detected	Hras1	1.465949821	1.32019116	1.70891365	1.5389972
A_55_P2014	147.7	Detected	162.2	Detected	201.9	Detected	216.5	Detected	B430105G09Rik	1.465809072	1.36696005	1.33477189	1.2447596
A_55_P1969	13207	Detected	15614.5	Detected	10777.5	Detected	19357.2	Detected	Get4	1.465677292	0.81604452	1.23969387	0.6902238
A_55_P2058	5232	Detected	5632.7	Detected	5098.4	Detected	7668.4	Detected	Ephb4	1.465672783	0.97446483	1.3614075	0.9051432
A_55_P2028	2622.6	Detected	2363.5	Detected	2111.2	Detected	3843.7	Detected	Rnf170	1.46560665	0.80500267	1.62627459	0.8932515
A_55_P2185	20974.5	Detected	24804.7	Detected	20038.8	Detected	30739.7	Detected	Cdk8	1.465574865	0.95538869	1.23926917	0.807863
A_51_P2846	76.7	Detected	107.1	Detected	77.6	Detected	112.4	Detected	Aak1	1.465449804	1.01173403	1.04948646	0.7245565
A_52_P3008	70.7	Detected	78	Detected	67.8	Detected	103.6	Detected	D130020L05Rik	1.465346535	0.95898161	1.32820513	0.8692308
A_55_P2000	333.3	Detected	388.3	Detected	318.1	Detected	488.4	Detected	Ccdc144b	1.465346535	0.95439544	1.25779037	0.8192119
A_55_P2154	6777.1	Detected	6307.9	Detected	8436.8	Detected	9930.3	Detected	Ncapd3	1.465272757	1.24489826	1.57426402	1.3374974
A_55_P2000	102062	Detected	113479.2	Detected	156637.3	Detected	149515.3	Detected	Atp5l	1.464945817	1.53472693	1.31755687	1.3803173
A_55_P2237	11.4	Not Detect	18.8	Detected	6.9	Not Detect	16.7	Not Detect	1700008O03Rik	1.464912281	0.60526316	0.88829787	0.3670213
A_52_P4013	1382.7	Detected	1782	Detected	1575.7	Detected	2025.5	Detected	Capza1	1.464887539	1.13958198	1.13664422	0.8842312
A_51_P3999	16764.7	Detected	21051.7	Detected	12768.6	Detected	24557.4	Detected	Myo9b	1.464827882	0.76163606	1.16652812	0.6065353
A_55_P1963	167.2	Detected	183.8	Detected	164.9	Detected	244.9	Detected	Sycn	1.464712919	0.98624402	1.33242655	0.8971708
A_55_P2098	3472.2	Detected	2888.4	Detected	3427	Detected	5084.7	Detected	Bloc1s4	1.464402972	0.98698232	1.76038637	1.18647
A_55_P2017	81	Detected	124.1	Detected	110.7	Detected	118.6	Detected	D16Ert472e	1.464197531	1.36666667	0.9556809	0.8920226
A_55_P2012	416.7	Detected	450.7	Detected	281.5	Detected	610.1	Detected	LOC101056104	1.46412287	0.67554596	1.35367207	0.624584
A_55_P2003	6.9	Not Detect	45.7	Detected	3.6	Not Detect	10.1	Not Detect	Sh2d7	1.463768116	0.52173913	0.22100656	0.0787746
A_52_P5956	4756.2	Detected	7438.9	Detected	5112.5	Detected	6961.8	Detected	Smim7	1.46373155	1.07491275	0.93586417	0.6872656
A_51_P2270	31.7	Detected	39.6	Detected	37.1	Detected	46.4	Detected	Mdh1b	1.463722397	1.170347	1.17171717	0.9368687
A_51_P5040	206.2	Detected	217.3	Detected	225.1	Detected	301.8	Detected	Spa17	1.463627546	1.09165858	1.38886332	1.0358951
A_51_P2113	1799.3	Detected	1886.9	Detected	2208.4	Detected	2633.4	Detected	Nudt2	1.463569166	1.2273662	1.39562245	1.1703853
A_51_P1952	27202.7	Detected	24346.8	Detected	38752.7	Detected	39808.7	Detected	Fam149a	1.463409882	1.42459021	1.63506909	1.5916958
A_51_P2960	3958.3	Detected	5421.9	Detected	3613.8	Detected	5792.5	Detected	Upf1	1.463380744	0.91296769	1.06835242	0.6665191
A_52_P6766	54.6	Detected	52.6	Detected	31.8	Detected	79.9	Detected	Zfp518a	1.463369963	0.58241758	1.51901141	0.6045627
A_55_P2007	99.3	Detected	139.7	Detected	93.3	Detected	145.3	Detected	Iqcg	1.463242699	0.93957704	1.0400859	0.6678597
A_55_P2027	178223.1	Detected	189406.7	Detected	218813.7	Detected	260780.3	Detected	Myl6	1.463223903	1.22775162	1.37682722	1.1552585
A_52_P3721	619.2	Detected	1005	Detected	897.4	Detected	906	Detected	Rpsa	1.463178295	1.44928941	0.90149254	0.8929353
A_55_P2098	2922.3	Detected	3555.8	Detected	4141.2	Detected	4274.9	Detected	St7l	1.462854601	1.41710297	1.20223297	1.1646324
A_55_P2404	1345	Detected	1516	Detected	1009.8	Detected	1967.4	Detected	Rps6ka3	1.462750929	0.75078067	1.29775726	0.666095
A_51_P4771	3869.3	Detected	4619.7	Detected	3289.6	Detected	5659.8	Detected	Pmaip1	1.462745199	0.85017962	1.22514449	0.7120809
A_55_P2085	159.5	Detected	171.9	Detected	168.9	Detected	233.3	Detected	Mia	1.462695925	1.05893417	1.35718441	0.982548

A_55_P1999	6.7 Not Detect	7.3 Not Detect	15.9 Detected	9.8 Not Detect	AA474408	1.462686567	2.37313433	1.34246575	2.1780822
A_55_P2029	9575.6 Detected	10307.5 Detected	15813.4 Detected	14005.3 Detected	Dtd1	1.462602866	1.65142654	1.35874848	1.5341644
A_51_P2073	22.7 Detected	14.7 Not Detect	22.3 Detected	33.2 Not Detect	Tgm6	1.462555066	0.98237885	2.2585034	1.5170068
A_55_P2078	2302.9 Detected	2168.4 Detected	2190.5 Detected	3367.2 Detected	Ddx46	1.462156411	0.95119198	1.55285003	1.0101918
A_51_P2358	12465.7 Detected	14217.3 Detected	16256.9 Detected	18226.6 Detected	Guk1	1.462140112	1.30413053	1.28200151	1.143459
A_55_P2340	217.5 Detected	287.2 Detected	234.2 Detected	318 Detected	C630001G18Rik	1.462068966	1.07678161	1.10724234	0.8154596
A_55_P2202	40.7 Detected	48.9 Detected	93.4 Detected	59.5 Detected	0710001A04Rik	1.461916462	2.29484029	1.21676892	1.9100204
A_55_P2043	3089.6 Detected	2613.4 Detected	3210.6 Detected	4516.6 Detected	Srd5a3	1.461872087	1.03916365	1.72824673	1.2285146
A_52_P3065	799.7 Detected	1084.7 Detected	699 Detected	1169 Detected	Emc1	1.461798174	0.87407778	1.07771734	0.6444178
A_55_P2002	3302.7 Detected	4144.4 Detected	3159.6 Detected	4827.7 Detected	Ephx2	1.461743422	0.95667181	1.16487308	0.7623781
A_55_P2026	2315.5 Detected	1788.4 Detected	2213.8 Detected	3384.2 Detected	Gys1	1.461541784	0.9560786	1.89230597	1.2378662
A_55_P1954	8376.1 Detected	7692.1 Detected	10456.7 Detected	12239.9 Detected	D1Erd622e	1.461288667	1.24839723	1.59122996	1.3594077
A_55_P2031	110852.9 Detected	92361.4 Detected	51181.9 Detected	161974.2 Detected	Ly6e	1.461163398	0.46171007	1.75370014	0.5541482
A_51_P4005	4244.3 Detected	6176.1 Detected	5324.9 Detected	6200.8 Detected	Anp32e	1.460971185	1.25460029	1.00399929	0.8621784
A_66_P1390	114.6 Detected	119.5 Detected	155.9 Detected	167.4 Detected	Efcab9	1.460732984	1.36038394	1.40083682	1.3046025
A_52_P1672	11716.1 Detected	13319.8 Detected	14600.1 Detected	17112.2 Detected	Mthfd1l	1.460571351	1.246157	1.28471899	1.0961201
A_55_P2176	7685.2 Detected	9000 Detected	9212.8 Detected	11223.1 Detected	0610010K14Rik	1.460352366	1.19877167	1.24701111	1.0236444
A_55_P2431	6107 Detected	5464.2 Detected	5803.3 Detected	8918.2 Detected	Srpk2	1.460324218	0.95027018	1.63211449	1.0620585
A_55_P2041	4962.2 Detected	5095.3 Detected	5302.8 Detected	7242.9 Detected	Vps51	1.459614687	1.06863891	1.42148647	1.0407238
A_51_P2842	25921.6 Detected	20491.7 Detected	30257.6 Detected	37832.4 Detected	Tmed3	1.459493241	1.16727363	1.84623043	1.4765783
A_55_P1958	212.9 Detected	243.4 Detected	217.5 Detected	310.7 Detected	Aoc3	1.459370597	1.02160639	1.27649959	0.8935908
A_51_P3952	31782.3 Detected	37503.3 Detected	29277.9 Detected	46377.6 Detected	Ccz1	1.459227306	0.92120142	1.23662718	0.7806753
A_55_P1987	439.4 Detected	549 Detected	509.1 Detected	641.1 Detected	Fuom	1.459035048	1.1586254	1.16775956	0.9273224
A_55_P2281	54.9 Detected	167.7 Detected	29.2 Detected	80.1 Detected	Bnc2	1.459016393	0.53187614	0.47763864	0.1741205
A_55_P2042	5525.4 Detected	5958.4 Detected	8374.4 Detected	8061.3 Detected	Pigo	1.458953198	1.51561878	1.35293032	1.405478
A_51_P3516	907.3 Detected	1308.7 Detected	1639.5 Detected	1323.3 Detected	Mrpl35	1.458503251	1.80700981	1.01115611	1.2527699
A_55_P2026	59978.7 Detected	70749.8 Detected	90059.4 Detected	87476.6 Detected	Atp5l	1.458461087	1.50152304	1.23642187	1.272928
A_55_P2012	15237 Detected	15147.4 Detected	26191.1 Detected	22222.1 Detected	Rtkn	1.458430137	1.71891448	1.46705705	1.7290822
A_55_P2047	506.3 Detected	520.1 Detected	667.8 Detected	738.4 Detected	Zfp809	1.458423859	1.31898084	1.41972698	1.2839838
A_55_P2055	3256.3 Detected	4495.2 Detected	3505.7 Detected	4748.9 Detected	Scaf11	1.458373	1.07658999	1.05643798	0.7798763
A_52_P2278	210.1 Detected	181.2 Detected	174.8 Detected	306.4 Detected	Cenpf	1.458353165	0.83198477	1.69094923	0.9646799
A_51_P1557	601.8 Detected	695.5 Detected	808.7 Detected	877.6 Detected	Scyl3	1.458291791	1.34380193	1.26182602	1.1627606
A_55_P1978	496.3 Detected	633.6 Detected	760.6 Detected	723.7 Detected	Pet112	1.458190611	1.5325408	1.14220328	1.2004419
A_55_P2106	4765.7 Detected	6356.9 Detected	5759.5 Detected	6948.1 Detected	Nmnat3	1.457939023	1.2085318	1.09300131	0.9060234
A_55_P2178	29451.5 Detected	24369.5 Detected	29134 Detected	42930.2 Detected	Inpp1l	1.457657505	0.98921956	1.76163647	1.1955108
A_51_P3204	1507.1 Detected	1465 Detected	2316.6 Detected	2196.8 Detected	Mcee	1.457633866	1.53712428	1.49952218	1.5812969
A_55_P1998	499.1 Detected	531.2 Detected	604.6 Detected	727.5 Detected	Aplf	1.457623723	1.21138048	1.36954066	1.1381777
A_55_P2137	7885.8 Detected	7545.9 Detected	8076.8 Detected	11494.3 Detected	Mpv17	1.457594664	1.02422075	1.52325104	1.0703561
A_55_P2006	284.8 Detected	5285 Detected	215.7 Detected	415.1 Detected	Krt15	1.457514045	0.7573736	0.07854305	0.0408136
A_55_P2242	61 Detected	71.4 Detected	85.5 Detected	88.9 Detected	4930466K18Rik	1.457377049	1.40163934	1.24509804	1.197479

A_55_P1988	2284.3	Detected	2286.2	Detected	3151.3	Detected	3328.8	Detected	Hmbs	1.457251674	1.37954734	1.45604059	1.3784008
A_55_P2085	74.8	Detected	68.8	Detected	67	Detected	109	Detected	Fam83a	1.457219251	0.89572193	1.58430233	0.9738372
A_55_P1968	5586.6	Detected	6232.6	Detected	5419	Detected	8138	Detected	Tle1	1.456699961	0.96999964	1.30571511	0.8694606
A_55_P2225	42.7	Detected	50.3	Detected	21.2	Detected	62.2	Detected	4831440D22Rik	1.456674473	0.49648712	1.23658052	0.4214712
A_51_P4421	11898	Detected	13212.4	Detected	11143.3	Detected	17331.4	Detected	Itfg1	1.456664986	0.93656917	1.3117526	0.8433971
A_55_P2078	979.5	Detected	1050.3	Detected	1297.5	Detected	1426.8	Detected	Gm2444	1.456661562	1.32465544	1.35846901	1.2353613
A_51_P2992	10029	Detected	9425.5	Detected	15021.5	Detected	14607.3	Detected	Impa2	1.456506132	1.49780636	1.54976394	1.5937086
A_55_P2073	1092.6	Detected	1566.2	Detected	1414.9	Detected	1591.3	Detected	Mecr	1.456434194	1.29498444	1.01602605	0.9033968
A_55_P2045	8494.3	Detected	15944.5	Detected	7368.1	Detected	12371.1	Detected	Pes1	1.456400174	0.86741697	0.7758851	0.4621092
A_55_P2004	529.2	Detected	967.8	Detected	673.2	Detected	770.7	Detected	Klra1	1.456349206	1.27210884	0.79634222	0.6955983
A_55_P2142	51.5	Detected	60.2	Detected	55.8	Detected	75	Detected	Pifo	1.45631068	1.08349515	1.24584718	0.9269103
A_55_P2303	103	Detected	122.4	Detected	106	Detected	150	Detected	AW413774	1.45631068	1.02912621	1.2254902	0.8660131
A_55_P2163	174093.2	Detected	192171.2	Detected	238472.7	Detected	253520.4	Detected	Crip1	1.456233787	1.36979905	1.31924243	1.2409388
A_51_P1083	177416.8	Detected	239652.5	Detected	180050.3	Detected	258305.3	Detected	Slc25a4	1.455923565	1.01484358	1.0778327	0.7512974
A_52_P1893	99.6	Detected	109.4	Detected	90.3	Detected	145	Detected	4930404N11Rik	1.455823293	0.90662651	1.32541133	0.8254113
A_52_P4583	4801.1	Detected	5517.9	Detected	5599.7	Detected	6988.7	Detected	Pafah1b2	1.455645581	1.16633688	1.26655068	1.0148245
A_55_P2296	67.6	Detected	63.6	Detected	91.4	Detected	98.4	Detected	4833420D23Rik	1.455621302	1.35207101	1.54716981	1.4371069
A_55_P2080	57437.4	Detected	58430.7	Detected	80623.1	Detected	83606.2	Detected	Mrpl4	1.455605581	1.40366904	1.43086083	1.3798072
A_51_P2174	3062.8	Detected	4530	Detected	4577.5	Detected	4458.1	Detected	2410016O06Rik	1.455563537	1.49454747	0.98412804	1.0104857
A_52_P3813	6686.4	Detected	7441.9	Detected	7289.5	Detected	9732.2	Detected	Gins2	1.455521656	1.09019801	1.30775743	0.9795214
A_55_P2088	27489	Detected	27138.1	Detected	42656.7	Detected	40009.8	Detected	Foxp1	1.455484012	1.55177344	1.47430365	1.5718381
A_55_P2124	922.4	Detected	973.1	Detected	1313.3	Detected	1342.4	Detected	Zfp661	1.455333912	1.42378578	1.37950879	1.3496044
A_52_P9391	16359.4	Detected	15957.6	Detected	11545.5	Detected	23807.1	Detected	Nrp2	1.455255083	0.70574104	1.49189728	0.7235111
A_52_P2103	24692.8	Detected	29089.6	Detected	28127	Detected	35932.5	Detected	Ndufb6	1.455181267	1.13907698	1.23523527	0.9669091
A_52_P2192	12921.6	Detected	12880.1	Detected	16097.8	Detected	18802.4	Detected	Frmf8	1.455113918	1.24580547	1.45980233	1.2498195
A_51_P2428	8159.7	Detected	4398.1	Detected	13709.7	Detected	11873.2	Detected	Akr1c12	1.455102516	1.68017207	2.69962029	3.117187
A_51_P4521	16.7	Detected	8.7	Not Detect	18.8	Detected	24.3	Not Detect	Mzb1	1.45508982	1.1257485	2.79310345	2.1609195
A_52_P4365	301.5	Detected	318.1	Detected	338.7	Detected	438.7	Detected	Ddx59	1.455058043	1.12338308	1.37912606	1.0647595
A_52_P3702	266	Detected	312.7	Detected	284.5	Detected	387	Detected	Jarid2	1.454887218	1.06954887	1.23760793	0.9098177
A_55_P2119	107.8	Detected	76.5	Detected	99.6	Detected	156.8	Detected	Olfir96	1.454545455	0.92393321	2.0496732	1.3019608
A_55_P2064	83.6	Detected	87.5	Detected	84	Detected	121.6	Detected	Ctrc	1.454545455	1.00478469	1.38971429	0.96
A_66_P1195	9.9	Not Detect	89	Detected	37.6	Detected	14.4	Not Detect	Tuba8	1.454545455	3.7979798	0.16179775	0.4224719
A_52_P1092	7.7	Not Detect	76.6	Detected	50.4	Detected	11.2	Not Detect	Leprel1	1.454545455	6.54545455	0.1462141	0.6579634
A_55_P2064	1179.8	Detected	936	Detected	1627.5	Detected	1716	Detected	Msrb1	1.454483811	1.3794711	1.83333333	1.7387821
A_51_P1531	20351.7	Detected	27726.5	Detected	18057.3	Detected	29600.3	Detected	Cyb5r3	1.454438696	0.88726249	1.06758156	0.651265
A_66_P1271	21.8	Detected	61.7	Detected	31.7	Detected	31.7	Not Detect	Cyp2u1	1.45412844	1.45412844	0.51377634	0.5137763
A_55_P2004	6437.4	Detected	8525.8	Detected	8641.9	Detected	9359.4	Detected	Ppih	1.453909964	1.34245192	1.09777382	1.0136175
A_55_P2100	1758.4	Detected	1579.3	Detected	1989.6	Detected	2556.4	Detected	Dnm2	1.453821656	1.13148317	1.61869183	1.2597986
A_51_P1416	234.7	Detected	378.1	Detected	183.5	Detected	341.2	Detected	Pskh1	1.453770771	0.78184917	0.90240677	0.4853213
A_55_P2034	10.8	Not Detect	36.1	Detected	8.9	Not Detect	15.7	Not Detect	Qrfpr	1.453703704	0.82407407	0.43490305	0.2465374

A_51_P1719	9.7 Not Detect	29.5 Detected	3.7 Not Detect	14.1 Not Detect	A630033H20Rik	1.453608247	0.3814433	0.4779661	0.1254237
A_55_P2025	47.4 Detected	77.1 Detected	50.9 Detected	68.9 Detected	Adam5	1.453586498	1.07383966	0.89364462	0.6601816
A_51_P4684	640.1 Detected	741.2 Detected	799.2 Detected	930.4 Detected	Narg2	1.453522887	1.24855491	1.25526174	1.0782515
A_55_P2021	7.5 Not Detect	20.4 Detected	5.2 Not Detect	10.9 Not Detect	C87414	1.453333333	0.69333333	0.53431373	0.254902
A_55_P1960	5575.5 Detected	3838.4 Detected	4866.2 Detected	8102.9 Detected	Dnase111	1.453304636	0.87278271	2.1110098	1.2677678
A_51_P4238	3979.3 Detected	4033.5 Detected	2867.6 Detected	5782.7 Detected	Smarcd3	1.453195286	0.72062926	1.43366803	0.7109458
A_65_P1119	3470.4 Detected	4799.2 Detected	4364 Detected	5042.8 Detected	Flad1	1.453088981	1.25749193	1.05075846	0.9093182
A_55_P2030	46.8 Detected	49.2 Detected	60.4 Detected	68 Detected	Srsf2	1.452991453	1.29059829	1.38211382	1.2276423
A_51_P1404	14.8 Not Detect	18.5 Detected	8.4 Not Detect	21.5 Not Detect	Zg16	1.452702703	0.56756757	1.16216216	0.4540541
A_55_P2048	53.9 Detected	100.7 Detected	81.8 Detected	78.3 Detected	Klra23	1.452690167	1.51762523	0.7775571	0.8123138
A_51_P3228	19 Detected	16.4 Not Detect	14.7 Not Detect	27.6 Not Detect	Olfir622	1.452631579	0.77368421	1.68292683	0.8963415
A_55_P1971	9.5 Not Detect	21 Detected	10.3 Not Detect	13.8 Not Detect	Bcan	1.452631579	1.08421053	0.65714286	0.4904762
A_51_P2416	515 Detected	590.5 Detected	627.8 Detected	748.1 Detected	Tmem194	1.452621359	1.21902913	1.26689246	1.0631668
A_51_P1388	4842.3 Detected	5783.1 Detected	3615.6 Detected	7034 Detected	Ccdc102a	1.452615493	0.74666997	1.21630268	0.625201
A_55_P2134	4210.3 Detected	4842.2 Detected	3383.6 Detected	6115.8 Detected	Cmip	1.452580576	0.8036482	1.26302094	0.6987733
A_55_P2131	332.9 Detected	5774.5 Detected	9.3 Not Detect	483.5 Detected	Kprp	1.452388105	0.02793632	0.08373019	0.0016105
A_55_P2097	19826.5 Detected	15990.4 Detected	18862.7 Detected	28795 Detected	C77080	1.452349129	0.95138829	1.80076796	1.1796265
A_55_P2088	16389.6 Detected	17972.7 Detected	12033.8 Detected	23802.6 Detected	Ash2l	1.452299019	0.7342339	1.3243753	0.6695599
A_55_P2104	13795.3 Detected	19854.7 Detected	12727.3 Detected	20034 Detected	Edc4	1.452233732	0.92258233	1.00903061	0.641022
A_51_P4201	4670.7 Detected	5982.3 Detected	5870.3 Detected	6782.5 Detected	Emc2	1.452137795	1.25683516	1.13376126	0.9812781
A_52_P9050	121 Detected	71.3 Detected	142.5 Detected	175.7 Detected	Mfsd9	1.452066116	1.17768595	2.46423562	1.9985975
A_51_P2194	6867.8 Detected	8050.4 Detected	8317 Detected	9972.3 Detected	Plcl2	1.452037042	1.21101372	1.23873348	1.0331164
A_51_P1446	143.8 Detected	161.8 Detected	155.1 Detected	208.8 Detected	Vps13b	1.45201669	1.07858136	1.29048208	0.9585909
A_55_P2165	10.4 Not Detect	19.6 Detected	15.5 Not Detect	15.1 Not Detect	Lrrtm4	1.451923077	1.49038462	0.77040816	0.7908163
A_55_P2081	60023.9 Detected	72878.7 Detected	64756.8 Detected	87149.2 Detected	Atp5j2	1.451908323	1.07885026	1.19581167	0.8885559
A_55_P1972	2214.6 Detected	3794.3 Detected	2993.4 Detected	3215.1 Detected	Trmt11	1.451774587	1.35166622	0.84734997	0.7889202
A_55_P2123	1190 Detected	1126.1 Detected	1089.6 Detected	1727.6 Detected	Rhoh	1.451764706	0.91563025	1.53414439	0.9675872
A_52_P6546	1316.9 Detected	1987.7 Detected	1986.1 Detected	1911.8 Detected	Znhit3	1.451742729	1.50816311	0.96181516	0.999195
A_55_P1971	15232.2 Detected	12646.5 Detected	13153.9 Detected	22113 Detected	Exoc1	1.451727262	0.86355878	1.74854703	1.0401218
A_51_P2804	19641.4 Detected	26250.1 Detected	30341.2 Detected	28513.8 Detected	Ndufa9	1.451719328	1.5447575	1.08623586	1.1558508
A_55_P2016	6248.5 Detected	4986 Detected	5244.9 Detected	9070.5 Detected	Nsd1	1.451628391	0.83938545	1.81919374	1.0519254
A_55_P2025	732.6 Detected	690.8 Detected	943.7 Detected	1063.4 Detected	Cep55	1.451542452	1.28815179	1.53937464	1.3660973
A_55_P1966	132 Detected	290.9 Detected	180.4 Detected	191.6 Detected	Nme5	1.451515152	1.36666667	0.65864558	0.6201444
A_55_P2085	1218.8 Detected	1171.9 Detected	1110.5 Detected	1769.1 Detected	Dennd4b	1.451509682	0.91114211	1.5095998	0.9476065
A_51_P3857	2272.8 Detected	2980.6 Detected	2290.9 Detected	3298.8 Detected	Eif2ak1	1.451425554	1.00796375	1.10675703	0.7686036
A_52_P5387	465 Detected	434.7 Detected	685.1 Detected	674.9 Detected	Tada3	1.451397849	1.47333333	1.55256499	1.5760294
A_55_P2008	202.5 Detected	283.5 Detected	226.8 Detected	293.9 Detected	Dnd1	1.451358025	1.12	1.0366843	0.8
A_55_P1980	6219.7 Detected	6026 Detected	5966.2 Detected	9026.7 Detected	Purb	1.451307941	0.95924241	1.49795885	0.9900763
A_51_P3775	4239.4 Detected	4272.6 Detected	4865.4 Detected	6152.5 Detected	Sts	1.451266689	1.14766241	1.4399897	1.1387446
A_55_P1977	197.5 Detected	168.3 Detected	164.7 Detected	286.6 Detected	Gm5833	1.451139241	0.83392405	1.70291147	0.9786096

A_55_P2101	2988.6	Detected	1564.6	Detected	2306.7	Detected	4336.7	Detected	Ppfia3	1.451080774	0.77183297	2.77176275	1.4743065
A_55_P2067	45.9	Detected	61.9	Detected	41.8	Detected	66.6	Detected	Phykpl	1.450980392	0.91067538	1.07592892	0.6752827
A_55_P2000	2314.8	Detected	3728.1	Detected	2373.9	Detected	3358.7	Detected	Rbm34	1.450967686	1.02553136	0.90091468	0.6367587
A_52_P1345	2349	Detected	2478.1	Detected	2714	Detected	3408	Detected	Cd2bp2	1.45083014	1.15538527	1.37524717	1.0951939
A_51_P3272	552.7	Detected	501.9	Detected	541	Detected	801.8	Detected	Lenep	1.45069658	0.97883119	1.59752939	1.077904
A_52_P2541	1329.7	Detected	887.9	Detected	781.4	Detected	1928.8	Detected	Irgq	1.450552756	0.58765135	2.1723167	0.8800541
A_55_P2061	593.1	Detected	757.8	Detected	608	Detected	860.3	Detected	Fnta	1.450514247	1.02512224	1.13525996	0.8023225
A_55_P1959	56.4	Detected	41.4	Detected	36	Detected	81.8	Detected	5031425E22Rik	1.45035461	0.63829787	1.97584541	0.8695652
A_51_P4488	3050.1	Detected	3423.2	Detected	3129.7	Detected	4423.7	Detected	Zfp90	1.45034589	1.0260975	1.29227039	0.9142615
A_52_P1238	549.6	Detected	659.5	Detected	568	Detected	797.1	Detected	Rab21	1.450327511	1.03347889	1.20864291	0.8612585
A_55_P2054	109.7	Detected	102.9	Detected	112.7	Detected	159.1	Detected	Layn	1.450319052	1.02734731	1.54616132	1.0952381
A_52_P4857	915.6	Detected	1230.6	Detected	1092.9	Detected	1327.6	Detected	Zdhhc17	1.449978156	1.19364351	1.07882334	0.8881034
A_51_P1841	4285.9	Detected	4539.4	Detected	4851.6	Detected	6214.4	Detected	Smarcd2	1.449963835	1.13199095	1.3689915	1.0687756
A_55_P1980	12815.8	Detected	10817.4	Detected	14911.7	Detected	18582.1	Detected	Sidt2	1.449936797	1.16354032	1.71779725	1.3784921
A_52_P8080	2111	Detected	2168.4	Detected	2276.7	Detected	3060.6	Detected	Syncrip	1.449834202	1.0784936	1.41145545	1.0499447
A_52_P2326	189	Detected	267.2	Detected	215.6	Detected	274	Detected	Rhot1	1.44973545	1.14074074	1.0254491	0.8068862
A_52_P4265	376.7	Detected	499.9	Detected	476	Detected	546.1	Detected	Abhd14a	1.449694717	1.26360499	1.09241848	0.9521904
A_52_P3829	663.5	Detected	875.4	Detected	549.5	Detected	961.8	Detected	Champ1	1.449585531	0.82818387	1.09869774	0.627713
A_55_P2045	100.8	Detected	87.9	Detected	95.9	Detected	146.1	Detected	Dll3	1.449404762	0.95138889	1.66211604	1.0910125
A_55_P2157	473.1	Detected	673.9	Detected	747.7	Detected	685.7	Detected	Gm10734	1.449376453	1.58042697	1.01751002	1.1095118
A_52_P2316	567.3	Detected	788.2	Detected	982.8	Detected	822.2	Detected	Oxsm	1.449321347	1.73241671	1.04313626	1.2468917
A_51_P4938	3852.3	Detected	5395.8	Detected	7096.9	Detected	5582.5	Detected	Katna1	1.449134283	1.84225008	1.03460099	1.3152637
A_55_P2049	1098.2	Detected	1411.1	Detected	1482.9	Detected	1591.1	Detected	Ppih	1.448825351	1.35030049	1.12756006	1.0508823
A_55_P2107	20092.8	Detected	21309.1	Detected	15131.1	Detected	29103.6	Detected	Fat1	1.44845915	0.7530608	1.36578269	0.7100769
A_51_P1002	254.7	Detected	253.9	Detected	288.8	Detected	368.9	Detected	Stx3	1.448370632	1.133883	1.45293423	1.1374557
A_52_P6727	252.6	Detected	314.3	Detected	266.9	Detected	365.8	Detected	E430018J23Rik	1.448139351	1.05661124	1.16385619	0.8491887
A_51_P1000	9601.7	Detected	8368	Detected	13497.1	Detected	13904.5	Detected	Mif4gd	1.448128977	1.40569899	1.66162763	1.6129422
A_52_P3464	4969.3	Detected	3962.9	Detected	5008.9	Detected	7195.9	Detected	Tollip	1.448071157	1.00796893	1.8158167	1.2639481
A_52_P1486	972	Detected	915.4	Detected	1300.9	Detected	1407.2	Detected	Mettl22	1.447736626	1.33837449	1.53725147	1.4211274
A_66_P1011	939.3	Detected	1248.7	Detected	941.9	Detected	1359.8	Detected	Brd7	1.4476738	1.00276802	1.08897253	0.7543045
A_55_P2315	210.7	Detected	131.4	Detected	170.2	Detected	305	Detected	5330431K02Rik	1.447555766	0.80778358	2.32115677	1.2952816
A_51_P1336	41.8	Detected	37.1	Detected	43	Detected	60.5	Detected	3110021A11Rik	1.447368421	1.02870813	1.63072776	1.1590296
A_55_P2106	31125.5	Detected	29137.4	Detected	32520.1	Detected	45044.3	Detected	Gch1	1.447183178	1.04480571	1.54592723	1.1160948
A_51_P4464	132.4	Detected	663.1	Detected	437.2	Detected	191.6	Detected	Dok2	1.447129909	3.3021148	0.28894586	0.6593274
A_51_P1393	40576.8	Detected	44166.9	Detected	60255.8	Detected	58719.3	Detected	Pcbd1	1.4471151	1.48498157	1.32948656	1.3642751
A_55_P2008	38450.6	Detected	39807	Detected	37284.9	Detected	55642.1	Detected	Chmp4b	1.447106157	0.96968318	1.39779687	0.9366418
A_51_P4164	43840.5	Detected	61603.1	Detected	54775.9	Detected	63441.8	Detected	Calr	1.447104846	1.24943602	1.02984752	0.8891744
A_55_P2026	67.1	Detected	65.6	Detected	68.8	Detected	97.1	Detected	Gal3st2	1.44709389	1.02533532	1.48018293	1.0487805
A_52_P2388	5171.2	Detected	5757.4	Detected	8126.9	Detected	7482.8	Detected	Bpnt1	1.447014233	1.57156946	1.29968389	1.4115573
A_55_P2120	101.8	Detected	112.7	Detected	75.5	Detected	147.3	Detected	Dleu2	1.446954813	0.74165029	1.30700976	0.6699201

A_55_P2079	3750.4	Detected	2674.8	Detected	2744.4	Detected	5426.2	Detected	Mpp1	1.446832338	0.73176195	2.02863766	1.0260206
A_51_P5018	93485.9	Detected	114120	Detected	116808.4	Detected	135254.8	Detected	Smdt1	1.446793581	1.24947612	1.18519804	1.0235577
A_55_P1964	291.8	Detected	407.6	Detected	220.1	Detected	422.1	Detected	Tnks	1.446538725	0.75428376	1.03557409	0.5399902
A_55_P1975	40532	Detected	42197.6	Detected	47565.4	Detected	58630	Detected	Dctn1	1.446511398	1.17352709	1.38941551	1.1272063
A_55_P1964	41.9	Detected	75.2	Detected	36.3	Detected	60.6	Detected	Slc14a2	1.446300716	0.86634845	0.80585106	0.4827128
A_55_P2125	2375	Detected	2222.3	Detected	2683.6	Detected	3434.8	Detected	Gorasp1	1.446231579	1.12993684	1.5456059	1.2075777
A_55_P1999	1514	Detected	1544.6	Detected	1952.6	Detected	2189.4	Detected	Prmt3	1.446103038	1.28969617	1.41745436	1.2641461
A_51_P1491	27.8	Detected	34.7	Detected	48	Detected	40.2	Not Detect	Vezt	1.446043165	1.72661871	1.15850144	1.3832853
A_55_P2046	9822.8	Detected	12467.7	Detected	13064.7	Detected	14203.5	Detected	Bnip3l	1.445972635	1.33003828	1.13922375	1.0478837
A_55_P2044	335.5	Detected	227	Detected	187.3	Detected	485.1	Detected	Rnase10	1.445901639	0.55827124	2.13700441	0.8251101
A_52_P5776	23.1	Detected	28.3	Detected	19.5	Detected	33.4	Not Detect	Ednrb	1.445887446	0.84415584	1.18021201	0.6890459
A_55_P2128	1387.8	Detected	1879.3	Detected	1331.5	Detected	2006.4	Detected	Cc2d2a	1.445741461	0.95943219	1.06763156	0.7085085
A_55_P2083	20818.8	Detected	17365.6	Detected	25807.6	Detected	30097.7	Detected	Alas1	1.445698119	1.23962957	1.73317939	1.4861335
A_51_P3614	11388.8	Detected	13757.5	Detected	14688.5	Detected	16464.7	Detected	Arl8b	1.445692259	1.28973202	1.19677994	1.0676722
A_55_P2045	27.6	Detected	24.7	Detected	29.2	Detected	39.9	Not Detect	Olf901	1.445652174	1.05797101	1.61538462	1.1821862
A_55_P2080	467.3	Detected	383	Detected	293.1	Detected	675.4	Detected	LOC101055828	1.445324203	0.6272202	1.76344648	0.7652742
A_55_P2015	897.4	Detected	1553.4	Detected	654.9	Detected	1297	Detected	Cyld	1.445286383	0.72977491	0.83494271	0.4215913
A_55_P2217	291.3	Detected	239.4	Detected	284.2	Detected	421	Detected	2900054C01Rik	1.445245451	0.9756265	1.75856307	1.1871345
A_55_P2000	4026.6	Detected	3490.7	Detected	3651.1	Detected	5818.8	Detected	Stxbp2	1.44509015	0.90674514	1.66694359	1.0459507
A_55_P1989	3890.7	Detected	5421.2	Detected	3127.5	Detected	5621.4	Detected	Cklf	1.444829979	0.80383993	1.03692909	0.5769018
A_52_P1598	5168.4	Detected	7803.5	Detected	5573.6	Detected	7467.4	Detected	Ddx49	1.444818512	1.0783995	0.95692958	0.7142436
A_55_P1988	25278.9	Detected	35477.1	Detected	21937.8	Detected	36520.9	Detected	Atp6v1g1	1.444718718	0.86783048	1.0294218	0.6183651
A_51_P4530	6595.3	Detected	7149.4	Detected	7579.2	Detected	9528.2	Detected	Coa6	1.444695465	1.14918199	1.33272722	1.0601169
A_55_P1972	7324.1	Detected	6759.2	Detected	10629.9	Detected	10580.4	Detected	Tada3	1.444600702	1.45135921	1.56533318	1.5726565
A_55_P1975	540.5	Detected	643.8	Detected	742.1	Detected	780.8	Detected	Bid1	1.444588344	1.37298797	1.21279901	1.1526872
A_55_P2109	7.2	Not Detect	11.4	Not Detect	25.1	Detected	10.4	Not Detect	Gm9951	1.444444444	3.48611111	0.9122807	2.2017544
A_65_P1962	21345.1	Detected	25114	Detected	20998	Detected	30830.4	Detected	Ssu72	1.444378335	0.98373866	1.22761806	0.8361074
A_55_P2107	380.6	Detected	369.2	Detected	335.4	Detected	549.7	Detected	Flad1	1.444298476	0.88124015	1.48889491	0.9084507
A_51_P3032	13308.2	Detected	16522.4	Detected	17846.7	Detected	19220.7	Detected	Tmed10	1.444274958	1.34103034	1.16331163	1.0801518
A_55_P1954	62.8	Detected	62.7	Detected	63.3	Detected	90.7	Detected	Lekr1	1.444267516	1.00796178	1.44657097	1.0095694
A_51_P1188	5784.6	Detected	11143.1	Detected	6256.8	Detected	8352.9	Detected	Amacr	1.443989213	1.08163054	0.74960289	0.5614955
A_55_P2247	62.4	Detected	64.5	Detected	67.5	Detected	90.1	Detected	BC028777	1.443910256	1.08173077	1.39689922	1.0465116
A_55_P2156	2270.8	Detected	2279.3	Detected	2408.7	Detected	3278.5	Detected	Ppfia3	1.443764312	1.0607275	1.4383802	1.0567718
A_66_P1296	46.2	Detected	50.1	Detected	40.3	Detected	66.7	Detected	Gm6567	1.443722944	0.87229437	1.33133733	0.8043912
A_55_P1992	5925	Detected	9026.6	Detected	7719.8	Detected	8552.9	Detected	Entpd4	1.443527426	1.30291983	0.94752177	0.8552279
A_51_P4079	31556.2	Detected	31114.1	Detected	35767.5	Detected	45549.2	Detected	Trappc4	1.443431085	1.13345396	1.46394079	1.1495592
A_52_P3866	747.9	Detected	663.8	Detected	704.5	Detected	1079.5	Detected	Irak3	1.443374783	0.94197085	1.62624284	1.0613136
A_55_P2081	4328.1	Detected	3381.8	Detected	4350.5	Detected	6246.6	Detected	Gpa33	1.443266098	1.00517548	1.84712283	1.2864451
A_52_P9655	722.6	Detected	819.3	Detected	664.6	Detected	1042.9	Detected	Ssr1	1.443260448	0.91973429	1.2729159	0.8111803
A_55_P2061	2314.5	Detected	2609.7	Detected	2786.2	Detected	3339.9	Detected	Snapin	1.443033052	1.20380212	1.27980228	1.0676323

A_55_P1974	1968.7	Detected	2615.4	Detected	2124.7	Detected	2840.5	Detected	Lysmd1	1.442830294	1.07924011	1.08606714	0.8123805
A_55_P1952	450.2	Detected	373.4	Detected	348.2	Detected	649.5	Detected	Kctd2	1.442692137	0.77343403	1.73942153	0.9325121
A_55_P1989	2666.7	Detected	3666.4	Detected	2438.2	Detected	3846.4	Detected	Tmem175	1.44238197	0.91431357	1.04909448	0.665012
A_55_P2100	1960.1	Detected	1778.1	Detected	1655.2	Detected	2827.1	Detected	Gm4425	1.442324371	0.84444671	1.58995557	0.9308813
A_55_P2047	53.6	Detected	59.3	Detected	55.2	Detected	77.3	Detected	Ypel3	1.442164179	1.02985075	1.30354132	0.93086
A_55_P1959	64.7	Detected	61.1	Detected	51.9	Detected	93.3	Detected	Clec2e	1.442040185	0.80216383	1.52700491	0.8494272
A_52_P6658	339.5	Detected	405.5	Detected	282.2	Detected	489.5	Detected	Abhd13	1.441826215	0.83122239	1.20715166	0.6959309
A_52_P4854	3303.3	Detected	4731.8	Detected	5154.3	Detected	4762.7	Detected	Vta1	1.441800624	1.56034874	1.00653028	1.0892895
A_55_P2141	31281	Detected	41370.6	Detected	31668.7	Detected	45089.2	Detected	Gabarapl2	1.441424507	1.01239411	1.08988509	0.7654881
A_55_P2141	448.4	Detected	398.9	Detected	483	Detected	646.3	Detected	Mcu	1.441347012	1.07716325	1.62020557	1.2108298
A_55_P2042	510.1	Detected	690.6	Detected	211.1	Detected	735.2	Detected	Pde5a	1.441286022	0.41384042	1.06458152	0.3056762
A_52_P4107	798.9	Detected	961.6	Detected	702.6	Detected	1151.4	Detected	Cnot7	1.441231694	0.87945926	1.19737937	0.7306572
A_55_P1977	234.8	Detected	302.1	Detected	207.2	Detected	338.4	Detected	Ptprn2	1.441226576	0.88245315	1.12015889	0.6858656
A_51_P5118	1255.3	Detected	2256.6	Detected	911.8	Detected	1808.9	Detected	Mthfsd	1.441010117	0.72636023	0.80160418	0.4040592
A_55_P2126	331.3	Detected	301.1	Detected	282.5	Detected	477.4	Detected	Nsf	1.440990039	0.85270148	1.58551976	0.9382265
A_51_P1928	1668.5	Detected	1767.8	Detected	1474.8	Detected	2403.9	Detected	Ghdc	1.440755169	0.8839077	1.35982577	0.8342573
A_55_P1990	3756.2	Detected	4278.8	Detected	4165	Detected	5411.3	Detected	Ndufaf4	1.440631489	1.1088334	1.26467701	0.9734038
A_55_P2146	34.5	Detected	30.6	Detected	191.1	Detected	49.7	Detected	Olfcr681	1.44057971	5.53913043	1.62418301	6.245098
A_55_P2032	29878.9	Detected	35949.6	Detected	36704	Detected	43041.4	Detected	Cisd1	1.440528266	1.22842541	1.19727062	1.0209849
A_52_P4765	11864.2	Detected	6092.3	Detected	16957.5	Detected	17089.2	Detected	Tpcn1	1.440400533	1.42929991	2.805049	2.7834315
A_55_P2101	4164	Detected	4088.6	Detected	3827.1	Detected	5996.7	Detected	Vamp5	1.440129683	0.91909222	1.46668786	0.9360417
A_55_P2098	32.5	Detected	27.3	Detected	29.3	Detected	46.8	Detected	Slc12a7	1.44	0.90153846	1.71428571	1.0732601
A_51_P3591	419.8	Detected	407.2	Detected	741.9	Detected	604.5	Detected	Doc2g	1.439971415	1.76727013	1.48452849	1.8219548
A_55_P1999	6514.6	Detected	5923.8	Detected	6509.8	Detected	9380.3	Detected	Inpp5b	1.439888865	0.99926319	1.5834937	1.098923
A_55_P2039	148073.6	Detected	194246.3	Detected	77941	Detected	213203	Detected	Hspb1	1.43984478	0.52636662	1.09759105	0.4012483
A_52_P5063	1543.5	Detected	1434.4	Detected	1730.2	Detected	2222.2	Detected	B3gat3	1.439714934	1.12095886	1.54921919	1.2062186
A_55_P1956	3246.9	Detected	5529.9	Detected	2435.2	Detected	4674.6	Detected	Rab3a	1.439711725	0.7500077	0.84533174	0.4403696
A_55_P2142	1314.6	Detected	908	Detected	1286	Detected	1892.5	Detected	Mapk1ip1	1.4396014	0.97824433	2.0842511	1.4162996
A_55_P2080	27.3	Detected	25.4	Detected	25.9	Detected	39.3	Not Detect	6430710C18Rik	1.43956044	0.94871795	1.54724409	1.019685
A_51_P2417	6.6	Not Detect	100.1	Detected	7.2	Not Detect	9.5	Not Detect	Rhd	1.439393939	1.09090909	0.09490509	0.0719281
A_55_P2213	54.4	Detected	70.1	Detected	41.3	Detected	78.3	Detected	D7ErtD183e	1.439338235	0.75919118	1.11697575	0.5891583
A_55_P2412	177.8	Detected	167.6	Detected	175	Detected	255.9	Detected	4930581F22Rik	1.439257593	0.98425197	1.52684964	1.0441527
A_55_P2051	13874.2	Detected	12519.2	Detected	11949.8	Detected	19966.2	Detected	Snap25	1.43908838	0.86129651	1.59484632	0.9545179
A_55_P2154	8216.8	Detected	10944.3	Detected	8461.6	Detected	11821.8	Detected	Ap1g1	1.438735274	1.02979262	1.08017872	0.7731513
A_55_P2175	10567.2	Detected	12795.6	Detected	9750.3	Detected	15201.7	Detected	Tusc3	1.438574078	0.92269475	1.1880412	0.7620041
A_52_P5102	513.6	Detected	738.1	Detected	472.5	Detected	738.6	Detected	9930014A18Rik	1.438084112	0.91997664	1.00067741	0.6401572
A_55_P2125	931.6	Detected	920.6	Detected	821	Detected	1339.6	Detected	Mterf1b	1.437956204	0.88127952	1.45513795	0.8918097
A_52_P6441	221.5	Detected	234.8	Detected	199.7	Detected	318.5	Detected	Ccdc18	1.437923251	0.90158014	1.35647359	0.8505111
A_55_P2247	45.9	Detected	26.9	Detected	53.6	Detected	66	Detected	4930414L22Rik	1.437908497	1.16775599	2.4535316	1.9925651
A_55_P2075	182.7	Detected	154.8	Detected	223	Detected	262.7	Detected	Senp8	1.4378763	1.22058019	1.69702842	1.4405685

A_55_P1975	16.9 Detected	33 Detected	22 Detected	24.3 Not Detect	Npas4	1.437869822	1.30177515	0.73636364	0.6666667
A_51_P5096	36032 Detected	17896.5 Detected	53944.8 Detected	51806.2 Detected	Uap1l1	1.437783082	1.49713588	2.89476713	3.0142654
A_51_P4647	49.8 Detected	45.5 Detected	42.4 Detected	71.6 Detected	Adap2	1.437751004	0.85140562	1.57362637	0.9318681
A_55_P2231	61.7 Detected	83.4 Detected	63.6 Detected	88.7 Detected	Lhx1	1.437601297	1.03079417	1.06354916	0.7625899
A_51_P3338	17.6 Detected	13 Not Detect	32.1 Detected	25.3 Not Detect	Olfr1393	1.4375	1.82386364	1.94615385	2.4692308
A_55_P1955	6.4 Not Detect	25.7 Detected	15.3 Not Detect	9.2 Not Detect	Gm11757	1.4375	2.390625	0.35797665	0.5953307
A_55_P2114	50.3 Detected	48 Detected	46.8 Detected	72.3 Detected	Mospd4	1.437375746	0.9304175	1.50625	0.975
A_55_P1967	28522.9 Detected	37967.6 Detected	32834.3 Detected	40997.5 Detected	Chtf8	1.437353846	1.15115574	1.07980225	0.8647979
A_55_P2108	9962.9 Detected	13560.6 Detected	14226.4 Detected	14319.4 Detected	Lgmn	1.43727228	1.42793765	1.05595623	1.0490981
A_51_P2654	15505.1 Detected	13712.4 Detected	18766.7 Detected	22284.7 Detected	Ric8	1.437249679	1.21035659	1.6251495	1.3685934
A_55_P2076	30744.9 Detected	58093.8 Detected	16929.8 Detected	44183.7 Detected	Anxa6	1.437106642	0.55065393	0.76055793	0.2914218
A_55_P2236	39.6 Detected	36.8 Detected	36.1 Detected	56.9 Detected	6430590A07Rik	1.436868687	0.91161616	1.54619565	0.9809783
A_55_P2018	105.1 Detected	166.5 Detected	104.5 Detected	151 Detected	9530077C05Rik	1.436726927	0.99429115	0.90690691	0.6276276
A_52_P5107	7112.1 Detected	5543.6 Detected	15199.1 Detected	10218 Detected	Ctsh	1.436706458	2.13707625	1.84320658	2.7417382
A_55_P2124	134.9 Detected	168.9 Detected	155.8 Detected	193.8 Detected	Cep41	1.436619718	1.15492958	1.14742451	0.9224393
A_66_P1396	7.1 Not Detect	6.3 Not Detect	25 Detected	10.2 Not Detect	Slc25a53	1.436619718	3.52112676	1.61904762	3.968254
A_51_P1836	2953.8 Detected	2169.6 Detected	1918.1 Detected	4243.2 Detected	Bcor	1.436522446	0.64936692	1.95575221	0.88408
A_66_P1039	867.1 Detected	1160.9 Detected	817.6 Detected	1245.6 Detected	Rsrc1	1.436512513	0.94291316	1.07296063	0.7042812
A_55_P1983	7959.1 Detected	10628.5 Detected	10163.4 Detected	11433.3 Detected	Abhd14a	1.43650664	1.27695342	1.07572094	0.9562403
A_51_P1814	295.1 Detected	415.7 Detected	386 Detected	423.9 Detected	Efcab2	1.436462216	1.30803118	1.01972576	0.9285542
A_51_P5045	6638.5 Detected	8137 Detected	6951.1 Detected	9534.7 Detected	Tm2d2	1.436273255	1.04708895	1.17177092	0.8542583
A_51_P1240	1339.3 Detected	1040.7 Detected	1351.7 Detected	1923.6 Detected	Gtpbp2	1.43627268	1.00925857	1.84837129	1.2988373
A_51_P2542	7625.4 Detected	10417 Detected	10932 Detected	10951.7 Detected	Chchd4	1.436213182	1.43362971	1.05132956	1.0494384
A_55_P2062	135.5 Detected	137.7 Detected	141 Detected	194.6 Detected	Spg21	1.436162362	1.04059041	1.41321714	1.0239651
A_52_P5143	920.7 Detected	949.1 Detected	1211.4 Detected	1322.2 Detected	Slc35a3	1.436081243	1.31573803	1.39310926	1.2763671
A_55_P2103	22209.3 Detected	24257.8 Detected	27082.9 Detected	31893.8 Detected	Ndufa5	1.436056067	1.2194396	1.31478535	1.1164615
A_55_P2277	123.4 Detected	153.2 Detected	153.9 Detected	177.2 Detected	Nudt5	1.435980551	1.2471637	1.15665796	1.0045692
A_55_P2233	500.3 Detected	340.2 Detected	249.8 Detected	718.4 Detected	D930023I05Rik	1.435938437	0.49930042	2.111699	0.734274
A_52_P4713	10618.5 Detected	4979.9 Detected	13678.1 Detected	15247.4 Detected	Ifngr2	1.435927862	1.28813863	3.06178839	2.7466616
A_52_P6634	10162.2 Detected	13574.7 Detected	10085.3 Detected	14591.8 Detected	P4ha2	1.435889866	0.99243274	1.07492615	0.7429483
A_51_P1232	432.5 Detected	584.9 Detected	559.2 Detected	621 Detected	Ppp1r7	1.43583815	1.29294798	1.06171995	0.9560609
A_55_P2145	10715.4 Detected	11007.7 Detected	16469.2 Detected	15383.7 Detected	Slmap	1.435662691	1.53696549	1.3975399	1.4961527
A_52_P3092	129.7 Detected	125.3 Detected	146.1 Detected	186.2 Detected	Srr	1.435620663	1.12644564	1.48603352	1.1660016
A_51_P2457	16361.7 Detected	15987.1 Detected	13655.6 Detected	23488.6 Detected	Pcolce2	1.435584322	0.83460765	1.46922206	0.8541637
A_51_P3027	6.2 Not Detect	17.1 Detected	16.9 Detected	8.9 Not Detect	Upp1	1.435483871	2.72580645	0.52046784	0.9883041
A_55_P1953	1205.6 Detected	1275.1 Detected	1348.5 Detected	1730.3 Detected	Rab13	1.435218978	1.11853019	1.35699161	1.0575641
A_55_P1990	2906 Detected	3319.7 Detected	3841 Detected	4170.4 Detected	Recql	1.435099794	1.32174811	1.2562581	1.1570323
A_55_P2023	13278.5 Detected	10609.4 Detected	15989.6 Detected	19055.9 Detected	9030624J02Rik	1.435094325	1.20417216	1.79613362	1.5071163
A_52_P1226	4278.1 Detected	4552.4 Detected	7273.4 Detected	6138.7 Detected	Arl2	1.434912695	1.70014726	1.34845356	1.5977067
A_51_P3209	144.9 Detected	177.9 Detected	277.1 Detected	207.9 Detected	Sfxn4	1.434782609	1.91235335	1.16863406	1.5576166

A_55_P2021	428.3 Detected	473.3 Detected	344.2 Detected	614.5 Detected	C87414	1.434742003	0.80364231	1.29833087	0.7272343
A_55_P2058	3003.9 Detected	2929.5 Detected	3137.7 Detected	4309.3 Detected	Tmc8	1.434568394	1.0445421	1.47100188	1.0710701
A_51_P5077	1359.4 Detected	1357.3 Detected	1696.3 Detected	1950.1 Detected	Sergef	1.43452994	1.24782992	1.43674943	1.2497606
A_51_P3131	12095.2 Detected	15821.2 Detected	13241.4 Detected	17350.8 Detected	Arhgef5	1.434519479	1.09476487	1.0966804	0.8369403
A_66_P1199	403.5 Detected	413.2 Detected	382.1 Detected	578.8 Detected	Zcchc4	1.434448575	0.94696406	1.40077444	0.9247338
A_51_P3568	56.4 Detected	39.9 Detected	47.4 Detected	80.9 Detected	Vps13c	1.434397163	0.84042553	2.02756892	1.1879699
A_55_P1976	10933.7 Detected	13124.9 Detected	8970.2 Detected	15681.6 Detected	Arhgef7	1.434244583	0.82041761	1.19479767	0.683449
A_51_P2639	8442.5 Detected	11319.8 Detected	5735.3 Detected	12108.3 Detected	Hmox1	1.434207877	0.67933669	1.06965671	0.5066609
A_52_P4447	468.4 Detected	470.8 Detected	354.3 Detected	671.7 Detected	N4bp2l2	1.434030743	0.75640478	1.42672048	0.7525489
A_55_P1990	1285.9 Detected	1567.7 Detected	1207 Detected	1844 Detected	Banp	1.434015087	0.9386422	1.17624546	0.7699177
A_55_P2023	39.4 Detected	51.3 Detected	46.7 Detected	56.5 Detected	Pcdha9	1.434010152	1.18527919	1.10136452	0.9103314
A_55_P2031	1785.3 Detected	1815.2 Detected	1470.8 Detected	2560 Detected	Sun1	1.433932672	0.82383913	1.41031291	0.8102688
A_55_P2126	220.1 Detected	204 Detected	316.5 Detected	315.6 Detected	Fam219b	1.433893685	1.43798274	1.54705882	1.5514706
A_55_P2064	16.6 Detected	14.3 Not Detect	6.8 Not Detect	23.8 Not Detect	Npbwr1	1.43373494	0.40963855	1.66433566	0.4755245
A_55_P2023	3193.7 Detected	4996.8 Detected	3250.6 Detected	4578.9 Detected	Dnaja2	1.433728904	1.01781633	0.91636647	0.6505363
A_51_P2774	3659.8 Detected	8607.1 Detected	3982.2 Detected	5246.8 Detected	Rnf19a	1.433630253	1.08809225	0.60958976	0.4626645
A_51_P2025	11.3 Not Detect	14 Not Detect	23.4 Detected	16.2 Not Detect	Sh3tc2	1.433628319	2.07079646	1.15714286	1.6714286
A_55_P2102	10985.4 Detected	15180.8 Detected	10327 Detected	15747.2 Detected	Tmem184c	1.433466237	0.94006591	1.03731029	0.6802672
A_51_P5132	47862.8 Detected	52071.5 Detected	40591.7 Detected	68604.7 Detected	Rac1	1.433361609	0.84808452	1.31750958	0.7795378
A_55_P2182	30.7 Detected	67.4 Detected	49.9 Detected	44 Not Detect	1700008O03Rik	1.433224756	1.62540717	0.65281899	0.7403561
A_55_P2143	348.6 Detected	224.8 Detected	482.9 Detected	499.6 Detected	Gm996	1.433161216	1.38525531	2.22241993	2.1481317
A_55_P2145	68.8 Detected	76.8 Detected	70.5 Detected	98.6 Detected	Myh9	1.433139535	1.0247093	1.28385417	0.9179688
A_52_P5978	921.2 Detected	761.1 Detected	932.3 Detected	1320 Detected	Wasf2	1.432913591	1.0120495	1.73433189	1.2249376
A_55_P1969	40523.3 Detected	56629.1 Detected	46438.6 Detected	58065.6 Detected	Tcf25	1.432894162	1.14597281	1.02536682	0.8200483
A_55_P2003	27129 Detected	34732.5 Detected	25568 Detected	38872.5 Detected	Fkbp8	1.432876258	0.9424601	1.11919672	0.7361405
A_55_P2001	13.4 Not Detect	45.9 Detected	17.2 Not Detect	19.2 Not Detect	Pde6c	1.432835821	1.28358209	0.41830065	0.3747277
A_55_P2064	369.6 Detected	487 Detected	622.9 Detected	529.5 Detected	Nmb	1.43262987	1.6853355	1.08726899	1.2790554
A_51_P2255	86668.6 Detected	98145.1 Detected	69955.4 Detected	124159 Detected	Tpm4	1.432571889	0.80715969	1.26505551	0.7127753
A_55_P2184	203 Detected	294.1 Detected	225.7 Detected	290.8 Detected	Nfatc3	1.432512315	1.11182266	0.98877933	0.767426
A_55_P2155	1600 Detected	1656.9 Detected	2029.4 Detected	2291.9 Detected	Snhg10	1.4324375	1.268375	1.38324582	1.2248174
A_51_P4838	33.3 Detected	29 Detected	23.2 Detected	47.7 Detected	Crygd	1.432432432	0.6966967	1.64482759	0.8
A_55_P2329	562.5 Detected	781.7 Detected	763.4 Detected	805.7 Detected	Dyrk2	1.432355556	1.35715556	1.03070232	0.9765895
A_51_P4090	22723.4 Detected	25074.5 Detected	29719.9 Detected	32546.9 Detected	Echs1	1.432307665	1.30789847	1.29800794	1.1852639
A_51_P3937	1068.9 Detected	1117.6 Detected	1640.6 Detected	1530.8 Detected	Osbp	1.432126485	1.53484891	1.36972083	1.4679671
A_55_P2377	100.7 Detected	82.4 Detected	161.1 Detected	144.2 Detected	2310068J16Rik	1.431976167	1.59980139	1.75	1.9550971
A_55_P2035	12085.6 Detected	12444.1 Detected	20389.7 Detected	17304.7 Detected	Nt5c3	1.431844509	1.68710697	1.39059474	1.6385034
A_55_P2034	39.6 Detected	82.2 Detected	52.4 Detected	56.7 Detected	Cage1	1.431818182	1.32323232	0.68978102	0.6374696
A_52_P2593	2948.7 Detected	2841.1 Detected	3053 Detected	4221.8 Detected	Fkbp15	1.431749585	1.03537152	1.48597374	1.0745838
A_55_P1974	9.5 Not Detect	28.4 Detected	3.7 Not Detect	13.6 Not Detect	Tnr	1.431578947	0.38947368	0.47887324	0.1302817
A_55_P2256	24.1 Detected	25 Detected	22.7 Detected	34.5 Not Detect	C230030N03Rik	1.43153527	0.94190871	1.38	0.908

A_55_P2135	542.2 Detected	573.7 Detected	921.6 Detected	776.1 Detected	Hist1h4m	1.431390631	1.69974179	1.35279763	1.6064145
A_55_P2010	583 Detected	609.1 Detected	458 Detected	834.5 Detected	Zfp113	1.431389365	0.78559177	1.37005418	0.7519291
A_51_P4593	1822.6 Detected	1739.6 Detected	1769.8 Detected	2608.7 Detected	Pacrgl	1.431306924	0.9710304	1.49959761	1.0173603
A_66_P1170	13289.6 Detected	15154.1 Detected	17387.6 Detected	19020.3 Detected	Atp6v1e1	1.431216891	1.30836143	1.25512568	1.1473859
A_51_P4527	4545.1 Detected	4172.3 Detected	5671.8 Detected	6504.4 Detected	Zfp524	1.431079624	1.24789334	1.5589483	1.3593941
A_52_P1717	2452.3 Detected	2569 Detected	2379 Detected	3509.4 Detected	Smg1	1.431064715	0.97010969	1.36605683	0.9260413
A_52_P8266	350.6 Detected	430.2 Detected	415.4 Detected	501.7 Detected	Mcm9	1.430975471	1.18482601	1.16620177	0.9655974
A_55_P2044	24805.1 Detected	23433.7 Detected	36388.8 Detected	35492.7 Detected	Fam96a	1.430863008	1.46698864	1.51460077	1.5528406
A_55_P2075	64.3 Detected	77.3 Detected	74.8 Detected	92 Detected	Rab11fip4	1.430793157	1.16329705	1.19016818	0.9676585
A_51_P4152	20.2 Detected	16.7 Not Detect	8 Not Detect	28.9 Not Detect	Zfp105	1.430693069	0.3960396	1.73053892	0.4790419
A_55_P1982	13.7 Not Detect	31.7 Detected	15.6 Not Detect	19.6 Not Detect	Phactr2	1.430656934	1.13868613	0.61829653	0.4921136
A_55_P2000	7587.1 Detected	6388.8 Detected	7692.4 Detected	10854.3 Detected	Pcnx13	1.430625667	1.01387882	1.69895755	1.2040446
A_55_P1992	98 Detected	101.8 Detected	82.6 Detected	140.2 Detected	Olf1115	1.430612245	0.84285714	1.37721022	0.8113949
A_51_P4569	617.4 Detected	639.2 Detected	645.1 Detected	883.2 Detected	B630005N14Rik	1.430515063	1.04486557	1.38172716	1.0092303
A_51_P4914	6928.2 Detected	11733.2 Detected	10027.5 Detected	9910.8 Detected	Ddx47	1.430501429	1.44734563	0.84468005	0.8546262
A_55_P1986	7.9 Not Detect	21.6 Detected	8.6 Not Detect	11.3 Not Detect	Tcp11	1.430379747	1.08860759	0.52314815	0.3981481
A_52_P3606	1432.9 Detected	1392.8 Detected	1766.9 Detected	2049.1 Detected	Abcb7	1.430036988	1.23309373	1.47120908	1.2685956
A_55_P2462	13231.5 Detected	13593.3 Detected	16908.7 Detected	18916.8 Detected	Nsf	1.429679175	1.27791256	1.39162676	1.2438996
A_55_P1967	16231.1 Detected	20275.1 Detected	19076.6 Detected	23204.9 Detected	Stra13	1.429656647	1.17531159	1.14450237	0.9408881
A_55_P1970	2406 Detected	2632.3 Detected	2353.3 Detected	3439.3 Detected	Per1	1.429467997	0.97809643	1.306576	0.894009
A_51_P2376	15693.7 Detected	16984.2 Detected	18913.5 Detected	22431.3 Detected	Gnai3	1.429318771	1.20516513	1.32071572	1.1135938
A_55_P2124	3719 Detected	5114.2 Detected	4229.6 Detected	5315.6 Detected	Lysmd1	1.429308954	1.13729497	1.03938055	0.8270306
A_55_P2081	32.4 Detected	41.7 Detected	48.8 Detected	46.3 Not Detect	Gnas	1.429012346	1.50617284	1.11031175	1.1702638
A_55_P2182	365.3 Detected	519.8 Detected	446 Detected	521.9 Detected	Adat1	1.428688749	1.22091432	1.00404002	0.8580223
A_55_P2214	65.8 Detected	79.4 Detected	69.5 Detected	94 Detected	2810008D09Rik	1.428571429	1.056231	1.18387909	0.8753149
A_52_P5624	16.1 Detected	32.5 Detected	10.4 Not Detect	23 Not Detect	Sync	1.428571429	0.64596273	0.70769231	0.32
A_51_P2701	3057.8 Detected	2429.5 Detected	3508.5 Detected	4367.9 Detected	Nhlrc2	1.428445287	1.14739355	1.79785964	1.4441243
A_55_P2429	204 Detected	205.2 Detected	222.7 Detected	291.4 Detected	Timmdc1	1.428431373	1.09166667	1.42007797	1.0852827
A_55_P1960	341.5 Detected	325.5 Detected	386.6 Detected	487.8 Detected	Vcan	1.4284041	1.13206442	1.49861751	1.1877112
A_51_P3417	14010.9 Detected	17478.7 Detected	14645.2 Detected	20008.7 Detected	Sugp1	1.428080994	1.0452719	1.14474761	0.8378884
A_55_P2072	333.9 Detected	330.2 Detected	310.9 Detected	476.8 Detected	6720401G13Rik	1.427972447	0.9311171	1.44397335	0.9415506
A_51_P2691	2105.9 Detected	2505.5 Detected	2445.2 Detected	3007.1 Detected	Alg9	1.427940548	1.16111876	1.20019956	0.9759329
A_66_P1098	42989.5 Detected	64701.1 Detected	47785.2 Detected	61382.2 Detected	Gcsh	1.427841682	1.11155515	0.94870412	0.7385531
A_52_P5879	443.6 Detected	483.7 Detected	313 Detected	633.3 Detected	Zfp11	1.427637511	0.70559062	1.30928261	0.6470953
A_55_P2158	730.9 Detected	717.6 Detected	745.9 Detected	1043.3 Detected	Nkiras2	1.427418251	1.02052264	1.45387402	1.039437
A_52_P2970	3478.5 Detected	3301 Detected	2856.1 Detected	4964.5 Detected	Heatr5a	1.42719563	0.8210723	1.5039382	0.8652227
A_66_P1385	2580.1 Detected	2537.3 Detected	2149.7 Detected	3682.3 Detected	Szt2	1.427192744	0.83318476	1.45126709	0.8472392
A_55_P1961	98.6 Detected	122 Detected	138.9 Detected	140.7 Detected	LOC101056590	1.426977688	1.40872211	1.15327869	1.1385246
A_52_P2574	861.5 Detected	775.3 Detected	997.5 Detected	1229.2 Detected	Eps8l2	1.426813697	1.15786419	1.58545079	1.2865987
A_55_P2010	5883.6 Detected	6429.2 Detected	4144.1 Detected	8394.1 Detected	Gm6252	1.426694541	0.70434768	1.30562123	0.6445748

A_51_P5056	1269.6	Detected	1373.7	Detected	1735	Detected	1811.3	Detected	Inpp5k	1.426669817	1.36657215	1.31855573	1.2630123
A_55_P2028	266.5	Detected	335.7	Detected	443.1	Detected	380.2	Detected	1810013A23Rik	1.426641651	1.66266417	1.13255883	1.3199285
A_55_P1954	16245.3	Detected	18522.5	Detected	32347	Detected	23175.3	Detected	Esrra	1.42658492	1.99116052	1.25119719	1.7463625
A_55_P2011	6.8	Not Detect	21	Detected	10.8	Not Detect	9.7	Not Detect	Gsdma2	1.426470588	1.58823529	0.46190476	0.5142857
A_55_P2033	91.7	Detected	122.7	Detected	102.1	Detected	130.8	Detected	Ltbp4	1.426390403	1.1134133	1.06601467	0.8321108
A_52_P3819	3833.6	Detected	3348.2	Detected	2653.1	Detected	5467.8	Detected	Ubqln2	1.426283389	0.6920649	1.63305657	0.7923959
A_55_P2108	4625.9	Detected	3343.2	Detected	7292.5	Detected	6597.7	Detected	Phkg2	1.426252189	1.57644999	1.97346853	2.1812934
A_51_P2259	1742.5	Detected	1176.4	Detected	2067.9	Detected	2484.8	Detected	Snx33	1.425997131	1.18674319	2.11220673	1.7578205
A_52_P5707	1011	Detected	783.9	Detected	1227.1	Detected	1441.6	Detected	Dpp8	1.425914936	1.21374876	1.83901008	1.5653782
A_52_P1346	9703	Detected	12022.4	Detected	11800.3	Detected	13835.6	Detected	Srpr	1.425909513	1.21614964	1.15081847	0.9815262
A_51_P1832	9375.3	Detected	9862.3	Detected	11546.3	Detected	13367.5	Detected	Sympk	1.42582104	1.23156592	1.35541405	1.1707512
A_51_P2868	77.5	Detected	66.1	Detected	60.1	Detected	110.5	Detected	10-Mar	1.425806452	0.77548387	1.67170953	0.9092284
A_55_P2011	139.9	Detected	137.5	Detected	191.7	Detected	199.4	Detected	Scd4	1.425303788	1.37026447	1.45018182	1.3941818
A_51_P3373	137.1	Detected	161.9	Detected	180.2	Detected	195.4	Detected	Ern2	1.425237053	1.31436907	1.20691785	1.1130327
A_66_P1141	123.7	Detected	127.2	Detected	237.4	Detected	176.3	Detected	Hist2h2ab	1.425222312	1.91915926	1.38600629	1.8663522
A_55_P1963	6029.4	Detected	5410.8	Detected	6037.6	Detected	8593.2	Detected	Yae1d1	1.425216439	1.00136	1.58815702	1.1158424
A_52_P1656	41.4	Detected	35.1	Detected	44.1	Detected	59	Detected	Star	1.425120773	1.06521739	1.68091168	1.2564103
A_52_P3494	1094.9	Detected	1171.2	Detected	1355	Detected	1560.3	Detected	Tmlhe	1.425061649	1.23755594	1.33222336	1.1569331
A_55_P2049	48.7	Detected	51.2	Detected	54.5	Detected	69.4	Detected	Ly6h	1.425051335	1.11909651	1.35546875	1.0644531
A_51_P1534	29679.3	Detected	39753.9	Detected	24722.2	Detected	42288.9	Detected	Dnajb1	1.424861772	0.83297787	1.06376733	0.6218811
A_55_P2034	3527.2	Detected	4164.7	Detected	6464.3	Detected	5025.2	Detected	Fbxl12	1.424699478	1.83270016	1.20661752	1.5521646
A_55_P2040	499	Detected	253.1	Detected	878.9	Detected	710.9	Detected	Exd1	1.424649299	1.76132265	2.80877124	3.4725405
A_55_P1952	13912.6	Detected	11423.8	Detected	11483.3	Detected	19820.3	Detected	Kctd2	1.424629473	0.8253885	1.73500061	1.0052084
A_52_P5320	2133	Detected	2568.7	Detected	2429.4	Detected	3038.6	Detected	Tbk1	1.424566338	1.13895921	1.182933	0.9457702
A_55_P2025	9213.1	Detected	8795.4	Detected	7929	Detected	13122.9	Detected	Oprm1	1.424373989	0.86062237	1.49201856	0.901494
A_52_P1620	6094.5	Detected	7446.8	Detected	6158.3	Detected	8680.8	Detected	Ckap2	1.424366232	1.01046846	1.16570876	0.8269727
A_55_P1993	6.6	Not Detect	22.1	Detected	7.7	Not Detect	9.4	Not Detect	Amelx	1.424242424	1.16666667	0.42533937	0.3484163
A_55_P1974	75.9	Detected	101.9	Detected	90.7	Detected	108.1	Detected	Hist2h4	1.424242424	1.19499341	1.06084396	0.8900883
A_66_P1368	116	Detected	109.9	Detected	150.4	Detected	165.2	Detected	6030408B16Rik	1.424137931	1.29655172	1.50318471	1.3685168
A_55_P1970	370.7	Detected	540.9	Detected	387.9	Detected	527.9	Detected	Mccc1	1.424062584	1.04639871	0.97596598	0.7171381
A_51_P4338	116938.2	Detected	155500.4	Detected	157147.4	Detected	166524.3	Detected	Tpi1	1.424036799	1.34385	1.07089307	1.0105916
A_55_P2000	2354.3	Detected	2091.6	Detected	1060	Detected	3352.5	Detected	Lonrf1	1.423990146	0.45023999	1.60283993	0.5067891
A_51_P3258	258.5	Detected	303.6	Detected	227.6	Detected	368.1	Detected	1810033B17Rik	1.423984526	0.88046422	1.21245059	0.7496706
A_55_P2171	95.8	Detected	79.3	Detected	75.8	Detected	136.4	Detected	Matn4	1.423799582	0.79123173	1.72005044	0.9558638
A_66_P1238	47.9	Detected	56.9	Detected	61.9	Detected	68.2	Detected	Olfr168	1.423799582	1.29227557	1.19859402	1.0878735
A_55_P2005	5.9	Not Detect	4	Not Detect	69.2	Detected	8.4	Not Detect	Dcstamp	1.423728814	11.7288136	2.1	17.3
A_51_P3376	519.6	Detected	614.6	Detected	52	Detected	739.7	Detected	Ddx26b	1.423595073	0.10007698	1.20354702	0.0846079
A_55_P2120	2415.9	Detected	3205	Detected	2847.7	Detected	3439.1	Detected	Gas2l3	1.423527464	1.17873256	1.07304212	0.8885179
A_55_P2039	307.9	Detected	331.1	Detected	353.8	Detected	438.3	Detected	Dnajc14	1.423514128	1.14907437	1.32376925	1.0685593
A_66_P1124	13726.2	Detected	18336.1	Detected	12770.7	Detected	19539.4	Detected	Tmem184c	1.423511241	0.9303886	1.06562464	0.6964785

A_55_P2129	47.7	Detected	47.9	Detected	44.3	Detected	67.9	Detected	Gbe1	1.423480084	0.92872117	1.41753653	0.9248434
A_55_P1975	33611.2	Detected	52718.2	Detected	37001.1	Detected	47844.5	Detected	FlnC	1.423468963	1.10085626	0.90755185	0.7018658
A_55_P2001	27.4	Detected	27.3	Detected	24.6	Detected	39	Not Detect	Igdcc4	1.423357664	0.89781022	1.42857143	0.9010989
A_66_P1148	5471.5	Detected	5733.5	Detected	4106.3	Detected	7787.5	Detected	Ankrd11	1.423284291	0.7504889	1.3582454	0.7161943
A_55_P2085	197.3	Detected	198.6	Detected	347.5	Detected	280.8	Detected	Gpam	1.423213381	1.76127724	1.41389728	1.7497482
A_51_P2376	8460.4	Detected	8130.5	Detected	9349.2	Detected	12040	Detected	Smim14	1.423100563	1.10505413	1.48084374	1.1498924
A_55_P2022	121720.7	Detected	114886.6	Detected	158117.5	Detected	173199.9	Detected	Gpi1	1.422928886	1.29901898	1.50757268	1.3762919
A_51_P1493	12211	Detected	13981.3	Detected	15779	Detected	17372.8	Detected	Psmd8	1.422717222	1.29219556	1.24257401	1.1285789
A_52_P6165	898.6	Detected	994.7	Detected	912.7	Detected	1278.3	Detected	Eri3	1.422546183	1.01569108	1.28511109	0.9175631
A_51_P1614	257.5	Detected	303.2	Detected	246.7	Detected	366.3	Detected	Ccdc103	1.422524272	0.95805825	1.20811346	0.8136544
A_55_P2215	415.4	Detected	429.9	Detected	377.3	Detected	590.9	Detected	Ephb2	1.422484352	0.90828117	1.3745057	0.877646
A_55_P1991	26836.3	Detected	32165.4	Detected	31968.5	Detected	38170.8	Detected	Acadv1	1.422357031	1.19124097	1.18670373	0.9938785
A_52_P3925	129.3	Detected	134.4	Detected	211.1	Detected	183.9	Detected	Gin1	1.422273782	1.63263728	1.36830357	1.5706845
A_52_P1228	682.9	Detected	740	Detected	803.4	Detected	971.2	Detected	Gltscr11	1.422170157	1.17645336	1.31243243	1.0856757
A_52_P6840	3884	Detected	3548.6	Detected	4853.8	Detected	5523.7	Detected	Snupn	1.422167868	1.24969104	1.5565857	1.367807
A_55_P1959	928.8	Detected	1431.7	Detected	1041.8	Detected	1320.9	Detected	Zfp930	1.422157623	1.12166236	0.92260949	0.7276664
A_52_P2006	25666.7	Detected	24004.3	Detected	25711.3	Detected	36501	Detected	Iars	1.422115036	1.00173766	1.52060256	1.0711123
A_55_P2193	15.4	Detected	10.1	Not Detect	7.6	Not Detect	21.9	Not Detect	6720473M08Rik	1.422077922	0.49350649	2.16831683	0.7524752
A_55_P1964	6010.6	Detected	4442.6	Detected	4346.1	Detected	8546.6	Detected	Golga4	1.421921272	0.72307257	1.92378337	0.9782785
A_55_P2062	23523.5	Detected	31826.7	Detected	32774.5	Detected	33447.8	Detected	Tomm5	1.42188875	1.39326631	1.05093522	1.02978
A_55_P2381	202.9	Detected	161.6	Detected	125.4	Detected	288.5	Detected	Lias	1.421882701	0.61803844	1.78527228	0.7759901
A_51_P4250	2610.3	Detected	2675.5	Detected	3615.2	Detected	3711.5	Detected	H2-Q2	1.421867218	1.38497491	1.38721734	1.3512241
A_55_P2072	258.4	Detected	245.4	Detected	213.7	Detected	367.4	Detected	Pcmt1	1.421826625	0.82701238	1.49714751	0.8708231
A_55_P2289	48.6	Detected	46	Detected	34.1	Detected	69.1	Detected	170001D01Rik	1.4218107	0.70164609	1.50217391	0.7413043
A_52_P5612	1722.2	Detected	1263.7	Detected	2686.3	Detected	2448.6	Detected	Stard4	1.421786088	1.55980722	1.93764343	2.1257419
A_55_P2244	2999.1	Detected	2183.3	Detected	3008.3	Detected	4263.9	Detected	Klf13	1.421726518	1.00306759	1.95296111	1.3778684
A_55_P2046	31.3	Detected	47.2	Detected	25.2	Detected	44.5	Detected	Cspg5	1.42172524	0.80511182	0.94279661	0.5338983
A_52_P5411	5802.3	Detected	6302.1	Detected	6641.2	Detected	8248.4	Detected	Calu	1.421574203	1.1445806	1.30883356	1.0538075
A_66_P1191	420.1	Detected	355.7	Detected	410.4	Detected	597.2	Detected	Phf21a	1.421566294	0.97691026	1.67894293	1.1537813
A_52_P1540	121.7	Detected	97.5	Detected	167.5	Detected	173	Detected	Zcwpw1	1.421528348	1.37633525	1.77435897	1.7179487
A_52_P4605	813.5	Detected	625.3	Detected	781.4	Detected	1156.4	Detected	Lpar2	1.421511985	0.96054087	1.84935231	1.2496402
A_66_P1194	423.3	Detected	652.1	Detected	558.8	Detected	601.6	Detected	6430531B16Rik	1.421214269	1.32010395	0.92255789	0.8569238
A_55_P1964	1181.6	Detected	1119.9	Detected	1121.1	Detected	1679.3	Detected	Pign	1.421208531	0.94879824	1.49950888	1.0010715
A_55_P2037	4318.7	Detected	5685	Detected	5610.8	Detected	6137.7	Detected	Etv5	1.421191562	1.29918726	1.07963061	0.9869481
A_55_P2065	806.3	Detected	761	Detected	863.3	Detected	1145.9	Detected	Gm15417	1.421183182	1.07069329	1.50578187	1.1344284
A_52_P5930	25158.3	Detected	23394	Detected	36322.2	Detected	35753.6	Detected	Acs15	1.421145308	1.4437462	1.5283235	1.5526289
A_55_P2111	38	Detected	38.4	Detected	41.6	Detected	54	Not Detect	Rgs6	1.421052632	1.09473684	1.40625	1.0833333
A_55_P1991	22758.3	Detected	19396.1	Detected	29936.1	Detected	32337.8	Detected	Aplp2	1.420923355	1.31539263	1.66723207	1.5434082
A_55_P2113	49.9	Detected	41.7	Detected	48.2	Detected	70.9	Detected	Lrch3	1.420841683	0.96593186	1.70023981	1.1558753
A_66_P1389	73.9	Detected	137	Detected	29.2	Detected	105	Detected	Fyn	1.420838972	0.39512855	0.76642336	0.2131387

A_66_P1216	886.9	Detected	1159.3	Detected	951.5	Detected	1260.1	Detected	Rsrc1	1.420791521	1.07283797	1.08694902	0.8207539
A_55_P1974	119.1	Detected	159	Detected	109.4	Detected	169.2	Detected	Map2k7	1.420654912	0.91855584	1.06415094	0.6880503
A_51_P3899	88.2	Detected	112.1	Detected	275.1	Detected	125.3	Detected	Rgs14	1.420634921	3.11904762	1.11775201	2.4540589
A_66_P1044	247.5	Detected	137.9	Detected	426	Detected	351.6	Detected	Myrf	1.420606061	1.72121212	2.54967368	3.0891951
A_55_P2083	23963.1	Detected	32611.9	Detected	25515.1	Detected	34041.5	Detected	Atp13a1	1.420579975	1.06476624	1.04383676	0.7823862
A_55_P2132	108.2	Detected	147.2	Detected	114.8	Detected	153.7	Detected	Mageb1	1.42051756	1.06099815	1.04415761	0.7798913
A_51_P4866	39	Detected	55.6	Detected	49.4	Detected	55.4	Detected	Minos1	1.420512821	1.26666667	0.99640288	0.8884892
A_55_P2072	1153.9	Detected	1205.6	Detected	1297	Detected	1639.1	Detected	Tmem167b	1.420487044	1.12401421	1.359572	1.0758129
A_55_P2098	1394.5	Detected	1317.7	Detected	1556.8	Detected	1980.8	Detected	Tchp	1.420437433	1.1163858	1.50322532	1.1814525
A_51_P4661	3713.3	Detected	4070.2	Detected	7281.1	Detected	5273.7	Detected	Bckdha	1.420219212	1.96081652	1.29568572	1.7888802
A_55_P2014	4605.3	Detected	4241.9	Detected	4615.8	Detected	6540.4	Detected	Ccdc82	1.420189781	1.00227998	1.54185624	1.0881445
A_51_P2017	6518.4	Detected	7220.8	Detected	5652.6	Detected	9257.3	Detected	Tubgcp3	1.420179799	0.86717599	1.28203246	0.7828218
A_55_P2145	23.8	Detected	13.4	Not Detect	25.3	Detected	33.8	Not Detect	Atp6v1g3	1.420168067	1.06302521	2.52238806	1.8880597
A_51_P2131	27353.4	Detected	37373.7	Detected	30641.2	Detected	38844.9	Detected	Tmem208	1.420112308	1.12019712	1.03936458	0.81986
A_52_P1548	319.3	Detected	360.5	Detected	394.2	Detected	453.4	Detected	Ing3	1.419981209	1.23457563	1.25769764	1.0934813
A_51_P3895	17762.4	Detected	22016.1	Detected	13750.9	Detected	25219.9	Detected	Fam220a	1.419847543	0.77415777	1.14552078	0.6245838
A_55_P2107	12748.1	Detected	16724.3	Detected	16255.3	Detected	18099.4	Detected	LOC101056559	1.419772358	1.27511551	1.08222168	0.971957
A_55_P2090	756.8	Detected	790.9	Detected	917.1	Detected	1074.4	Detected	Nat9	1.419661734	1.2118129	1.3584524	1.1595651
A_55_P1979	147848.4	Detected	146628.3	Detected	208592	Detected	209806.7	Detected	Atf4	1.419066422	1.41085057	1.43087453	1.4225903
A_52_P6600	95.7	Detected	93.9	Detected	119.1	Detected	135.8	Detected	1810034E14Rik	1.419017764	1.24451411	1.44621938	1.2683706
A_51_P2361	22327.9	Detected	21890.6	Detected	26699.2	Detected	31682	Detected	Rit1	1.41894222	1.19577748	1.44728788	1.2196651
A_52_P2701	19.1	Detected	3.8	Not Detect	32.4	Detected	27.1	Not Detect	Mmp28	1.418848168	1.69633508	7.13157895	8.5263158
A_55_P2021	331	Detected	310.1	Detected	271.5	Detected	469.6	Detected	Mterf1b	1.418731118	0.82024169	1.51435021	0.875524
A_55_P1999	304.1	Detected	297.6	Detected	290.4	Detected	431.4	Detected	Inpp5b	1.418612299	0.95494903	1.44959677	0.9758065
A_55_P2114	16164.3	Detected	25710.9	Detected	14481	Detected	22929.6	Detected	Notum	1.418533435	0.89586311	0.89182409	0.5632242
A_65_P0336	27	Detected	24.4	Detected	18	Detected	38.3	Not Detect	Dennd4a	1.418518519	0.66666667	1.56967213	0.7377049
A_55_P2203	5937.9	Detected	5942.9	Detected	7873.1	Detected	8423	Detected	Gt(ROSA)26Sor	1.418514963	1.32590647	1.41732151	1.3247909
A_51_P4657	444.1	Detected	344.7	Detected	577.1	Detected	629.9	Detected	Lysmd4	1.41837424	1.2994821	1.82738613	1.6742095
A_52_P1325	497.7	Detected	640.5	Detected	881.2	Detected	705.8	Detected	Prune	1.418123367	1.7705445	1.1019516	1.3758002
A_51_P1752	1410.6	Detected	1204.6	Detected	1611.9	Detected	2000.4	Detected	Fbxl4	1.418119949	1.14270523	1.66063424	1.3381205
A_51_P4967	42.1	Detected	40.8	Detected	32.8	Detected	59.7	Detected	Dnmt3l	1.418052257	0.77909739	1.46323529	0.8039216
A_55_P2078	4826.6	Detected	4365	Detected	5566.5	Detected	6844.1	Detected	Stxbp3a	1.417996105	1.15329632	1.5679496	1.2752577
A_51_P4178	466.1	Detected	855.4	Detected	476.7	Detected	660.9	Detected	Rab20	1.417936065	1.0227419	0.772621	0.5572831
A_52_P3912	331	Detected	497.9	Detected	336.5	Detected	469.3	Detected	Terf2	1.417824773	1.01661631	0.94255875	0.6758385
A_55_P2008	84.5	Detected	82.3	Detected	100.6	Detected	119.8	Detected	Cox17	1.417751479	1.19053254	1.45565006	1.2223572
A_51_P4819	69.9	Detected	289.4	Detected	46.4	Detected	99.1	Detected	Cdh15	1.417739628	0.66380544	0.34243262	0.1603317
A_55_P1981	71.1	Detected	146.7	Detected	280.4	Detected	100.8	Detected	Lman1l	1.417721519	3.94374121	0.68711656	1.9113838
A_51_P4915	1884.8	Detected	1597	Detected	1561.2	Detected	2672.1	Detected	AW549877	1.417710102	0.8283107	1.67319975	0.977583
A_55_P2019	46.7	Detected	131.1	Detected	20.3	Detected	66.2	Detected	Acacb	1.417558887	0.43468951	0.50495805	0.1548436
A_55_P2219	29.7	Detected	24.5	Detected	31.9	Detected	42.1	Not Detect	AI413759	1.417508418	1.07407407	1.71836735	1.3020408

A_51_P3236	39486.9	Detected	48253.2	Detected	52874	Detected	55972.5	Detected	Thyn1	1.417495423	1.33902636	1.15997488	1.0957615
A_55_P2184	38833.5	Detected	35347.2	Detected	51600.8	Detected	55037.8	Detected	Ndufa3	1.417276321	1.32877026	1.55706251	1.4598271
A_55_P2272	16.3	Detected	14.2	Not Detect	38.9	Detected	23.1	Not Detect	4930500G05Rik	1.417177914	2.38650307	1.62676056	2.7394366
A_55_P2062	501.4	Detected	653	Detected	432.3	Detected	710.5	Detected	4921524J17Rik	1.41703231	0.86218588	1.08805513	0.6620214
A_51_P2973	23.5	Detected	20.6	Detected	21	Detected	33.3	Not Detect	Olf530	1.417021277	0.89361702	1.61650485	1.0194175
A_51_P4682	3134.9	Detected	2873.7	Detected	2699.5	Detected	4442.2	Detected	Polg	1.417014897	0.861112	1.54581202	0.9393813
A_55_P1979	92.1	Detected	111.2	Detected	99.4	Detected	130.5	Detected	Il9r	1.416938111	1.07926167	1.17356115	0.8938849
A_51_P4109	405.5	Detected	394.8	Detected	448.4	Detected	574.5	Detected	Gm9856	1.41676942	1.10579531	1.45516717	1.1357649
A_52_P3397	1563.3	Detected	1937.4	Detected	1332.1	Detected	2214.7	Detected	Cyb5r3	1.416682658	0.85210772	1.14312997	0.687571
A_55_P2414	6	Not Detect	34.3	Detected	4.3	Not Detect	8.5	Not Detect	4933433F19Rik	1.416666667	0.71666667	0.24781341	0.1253644
A_52_P4833	1058	Detected	1436	Detected	1262.8	Detected	1498.8	Detected	Mios	1.416635161	1.19357278	1.04373259	0.8793872
A_51_P4292	2734.2	Detected	4233.7	Detected	3621	Detected	3873	Detected	Pus10	1.416502085	1.32433619	0.91480265	0.8552803
A_51_P4172	338.6	Detected	237.1	Detected	451.1	Detected	479.6	Detected	0610012G03Rik	1.416420555	1.33225044	2.0227752	1.9025728
A_52_P4549	25533.3	Detected	17618	Detected	29790.9	Detected	36164.2	Detected	Pi4ka	1.416354329	1.16674695	2.05268475	1.6909354
A_52_P6045	6400.8	Detected	8510.1	Detected	8791.5	Detected	9064.9	Detected	Mrpl19	1.416213598	1.37350019	1.06519312	1.0330666
A_55_P2093	31	Detected	46.3	Detected	35.9	Detected	43.9	Not Detect	Rell2	1.416129032	1.15806452	0.94816415	0.775378
A_65_P0829	5434.5	Detected	6362.4	Detected	7311.6	Detected	7695.8	Detected	Gpalpp1	1.416100837	1.34540436	1.209575	1.149189
A_55_P2150	22705.1	Detected	25404.3	Detected	15356	Detected	32151	Detected	Piezo1	1.416025474	0.67632382	1.26557315	0.6044646
A_51_P1700	1758	Detected	1769.6	Detected	1775.6	Detected	2489.3	Detected	Napg	1.415984073	1.01001138	1.40670208	1.0033906
A_52_P1452	85.4	Detected	70.1	Detected	74.3	Detected	120.9	Detected	Zyg11b	1.415690867	0.87002342	1.72467903	1.0599144
A_52_P4574	38443.8	Detected	40339.3	Detected	52975.9	Detected	54418	Detected	Ubl5	1.415520838	1.37800894	1.34900705	1.3132578
A_55_P1991	3031.7	Detected	3131	Detected	2935.5	Detected	4291.3	Detected	Zfp956	1.415476465	0.96826863	1.37058448	0.9375599
A_55_P1960	2659.7	Detected	2378.1	Detected	2711	Detected	3764.5	Detected	2810408A11Rik	1.415385194	1.01928789	1.58298642	1.1399857
A_55_P2083	7857.7	Detected	7001.1	Detected	9224.7	Detected	11119.4	Detected	Fam129a	1.41509602	1.17396948	1.58823613	1.3176072
A_52_P6769	3432.7	Detected	3392.6	Detected	4150.1	Detected	4857.1	Detected	Tirap	1.414950331	1.20899001	1.43167482	1.2232801
A_55_P1984	1244.1	Detected	1646.9	Detected	1915.8	Detected	1759.9	Detected	Cdadc1	1.414596897	1.53990837	1.06861376	1.1632765
A_52_P6708	3640.5	Detected	4651.3	Detected	5239.4	Detected	5149.3	Detected	Ebag9	1.414448565	1.43919791	1.10706684	1.1264378
A_55_P1970	11.1	Not Detect	51.9	Detected	35.4	Detected	15.7	Not Detect	2010107G12Rik	1.414414414	3.18918919	0.30250482	0.6820809
A_55_P2112	621.8	Detected	688.3	Detected	644.4	Detected	879.4	Detected	Vwa8	1.414281119	1.03634609	1.27764056	0.9362197
A_55_P2032	484.7	Detected	283	Detected	473.6	Detected	685.5	Detected	Inpp5e	1.414276872	0.97709924	2.42226148	1.6734982
A_66_P1351	9.9	Not Detect	20.8	Detected	21	Detected	14	Not Detect	Gm8149	1.414141414	2.12121212	0.67307692	1.0096154
A_51_P4351	6295.5	Detected	9554.6	Detected	11904.2	Detected	8902.2	Detected	Cryz	1.41405766	1.8909062	0.93171875	1.245913
A_52_P4804	1856.8	Detected	1649	Detected	2276.5	Detected	2624.4	Detected	Avl9	1.413399397	1.22603404	1.59151001	1.3805337
A_55_P2097	915.1	Detected	996.4	Detected	789.6	Detected	1293.4	Detected	Idua	1.413397443	0.86285652	1.29807306	0.7924528
A_55_P2055	1168.6	Detected	1118.5	Detected	2067.6	Detected	1651.6	Detected	Sdsl	1.413315078	1.76929659	1.47662047	1.8485472
A_51_P1990	5924.6	Detected	6966	Detected	5744.2	Detected	8373.2	Detected	Tmem107	1.413293724	0.96955069	1.20200976	0.8246052
A_55_P2054	387.6	Detected	817.3	Detected	420.6	Detected	547.7	Detected	Rnd1	1.413054696	1.08513932	0.67013337	0.5146213
A_51_P1995	3818.2	Detected	5975.9	Detected	3498.3	Detected	5395.1	Detected	Med26	1.412995652	0.91621707	0.90280962	0.5854014
A_55_P2057	374.1	Detected	234.5	Detected	553.1	Detected	528.6	Detected	Sft2d3	1.412991179	1.47848169	2.25415778	2.3586354
A_66_P1217	58706.7	Detected	69007.5	Detected	68823.8	Detected	82947.9	Detected	Tmem59	1.412920501	1.17233297	1.20201282	0.997338

A_55_P2155	41.9 Detected	65.2 Detected	38.3 Detected	59.2 Detected	Grk4	1.412887828	0.91408115	0.90797546	0.5874233
A_52_P5172	291.9 Detected	391.2 Detected	317.8 Detected	412.4 Detected	Akap1	1.412812607	1.08872902	1.05419223	0.8123722
A_55_P2123	104.2 Detected	124 Detected	78.1 Detected	147.2 Detected	Zfp867	1.412667946	0.74952015	1.18709677	0.6298387
A_55_P2149	403.6 Detected	349.2 Detected	491 Detected	570.1 Detected	Kifc2	1.412537166	1.21655104	1.63258877	1.406071
A_52_P4966	1280.1 Detected	1592.1 Detected	907.5 Detected	1808.1 Detected	Leprotl1	1.412467776	0.70892899	1.13566987	0.5700019
A_55_P2004	1198.2 Detected	1230.5 Detected	1608.5 Detected	1692.4 Detected	Asb8	1.412452011	1.34243031	1.37537586	1.3071922
A_55_P2012	478.3 Detected	347.7 Detected	249.9 Detected	675.5 Detected	B930041F14Rik	1.41229354	0.52247543	1.94276675	0.718723
A_51_P4694	34.2 Detected	24.3 Detected	36 Detected	48.3 Not Detect	Gm11149	1.412280702	1.05263158	1.98765432	1.4814815
A_55_P1987	329.2 Detected	343.2 Detected	276.3 Detected	464.9 Detected	Gm3448	1.412211422	0.83930741	1.35460373	0.8050699
A_52_P6337	99 Detected	64.9 Detected	116.4 Detected	139.8 Detected	Gm11696	1.412121212	1.17575758	2.1540832	1.7935285
A_55_P2164	16.5 Detected	3.1 Not Detect	3.1 Not Detect	23.3 Not Detect	Pr17b1	1.412121212	0.18787879	7.51612903	1
A_55_P2075	39.8 Detected	50.7 Detected	41.8 Detected	56.2 Detected	Ttl3	1.412060302	1.05025126	1.10848126	0.8244576
A_55_P2027	116.8 Detected	169 Detected	147.2 Detected	164.9 Detected	Ctu2	1.411815068	1.26027397	0.97573964	0.8710059
A_51_P1200	276.6 Detected	276 Detected	248.2 Detected	390.5 Detected	9330151L19Rik	1.411785973	0.89732466	1.41485507	0.8992754
A_55_P2172	470.4 Detected	569 Detected	493.7 Detected	664.1 Detected	Ubn2	1.411777211	1.04953231	1.16713533	0.8676626
A_55_P2057	39.1 Detected	37.1 Detected	41.8 Detected	55.2 Detected	Magix	1.411764706	1.06905371	1.48787062	1.1266846
A_55_P2163	602.7 Detected	1027.2 Detected	644.1 Detected	850.7 Detected	Ier2	1.411481666	1.06869089	0.82817368	0.6270444
A_51_P2608	55128.8 Detected	50598.3 Detected	71038.7 Detected	77810.7 Detected	Sdhd	1.411434677	1.28859507	1.53781254	1.403974
A_55_P2302	51.3 Detected	38.9 Detected	39.8 Detected	72.4 Detected	3300002A11Rik	1.411306043	0.77582846	1.86118252	1.0231362
A_51_P2254	7426.7 Detected	6958.2 Detected	11230.6 Detected	10481.2 Detected	Pkp2	1.411286305	1.51219249	1.5063091	1.6140094
A_55_P2001	160 Detected	286.6 Detected	208.7 Detected	225.8 Detected	Ppp2r3c	1.41125	1.304375	0.78785764	0.7281926
A_55_P2019	925.5 Detected	800.1 Detected	1409.8 Detected	1306 Detected	1500011B03Rik	1.411129119	1.52328471	1.63229596	1.7620297
A_55_P2099	16.3 Detected	14.4 Not Detect	6.2 Not Detect	23 Not Detect	Gm4151	1.411042945	0.3803681	1.59722222	0.4305556
A_51_P4887	900.7 Detected	1014.1 Detected	1035.8 Detected	1270.9 Detected	Slc25a44	1.411013656	1.14999445	1.25322946	1.0213983
A_52_P8750	20.2 Detected	30 Detected	32.6 Detected	28.5 Not Detect	Hbq1b	1.410891089	1.61386139	0.95	1.0866667
A_52_P1567	16.8 Detected	24.4 Detected	13.5 Not Detect	23.7 Not Detect	Adamts14	1.410714286	0.80357143	0.97131148	0.5532787
A_51_P5211	24827.4 Detected	21879.6 Detected	33379.4 Detected	35024.3 Detected	Rassf7	1.410711553	1.34445814	1.60077424	1.5255946
A_55_P2037	945.1 Detected	1107.7 Detected	1202.7 Detected	1333.2 Detected	AA684185	1.410644376	1.27256375	1.20357498	1.0857633
A_51_P1540	459.8 Detected	572.9 Detected	610.8 Detected	648.6 Detected	Mettl3	1.41061331	1.32840365	1.13213475	1.0661547
A_65_P0903	1742.9 Detected	1476.3 Detected	3020.7 Detected	2458.3 Detected	Cdc42se2	1.410465316	1.73314591	1.66517645	2.0461288
A_55_P2169	15674.8 Detected	12800.9 Detected	15047.6 Detected	22106.1 Detected	Atp6v1a	1.410295506	0.95998673	1.72691764	1.1755111
A_55_P1992	79.7 Detected	74.1 Detected	70.8 Detected	112.4 Detected	Rbbp8nl	1.410288582	0.88833124	1.5168691	0.9554656
A_51_P2517	5394.8 Detected	5543.6 Detected	6443.9 Detected	7608 Detected	I7Rn6	1.410246904	1.19446504	1.37239339	1.1624035
A_55_P1962	371.3 Detected	360.3 Detected	359.6 Detected	523.6 Detected	LOC101055716	1.410180447	0.96848909	1.45323342	0.9980572
A_51_P1356	6508.8 Detected	5795.7 Detected	7346.8 Detected	9176.7 Detected	Eif4ebp2	1.409891224	1.12874877	1.58336353	1.2676294
A_55_P2162	351.4 Detected	1677.4 Detected	323.4 Detected	495.4 Detected	Tmem179	1.409789414	0.92031873	0.29533802	0.1927984
A_51_P2328	6549.8 Detected	7843.7 Detected	7941.1 Detected	9233 Detected	Rpl14	1.409661364	1.2124187	1.17712304	1.0124176
A_55_P1998	15890.2 Detected	12142.1 Detected	16380.6 Detected	22399.5 Detected	Ncdn	1.409642421	1.03086179	1.84477973	1.3490747
A_51_P3238	31407.9 Detected	46512.7 Detected	28079.4 Detected	44272.3 Detected	Fam96b	1.409591217	0.89402348	0.95183251	0.6036932
A_51_P3933	37.6 Detected	43.7 Detected	34.6 Detected	53 Detected	Pikfyve	1.409574468	0.92021277	1.21281465	0.791762

A_55_P2168	155.8	Detected	158.1	Detected	183.9	Detected	219.6	Detected	Pced1b	1.409499358	1.18035944	1.38899431	1.1631879
A_55_P2002	405.9	Detected	607.4	Detected	460.5	Detected	572.1	Detected	Ccdc67	1.409460458	1.13451589	0.94188344	0.7581495
A_51_P4469	22971.6	Detected	34177.5	Detected	20226.3	Detected	32377.4	Detected	Cfdp1	1.409453412	0.88049156	0.94733085	0.5918016
A_55_P2052	982.8	Detected	1129.7	Detected	318.8	Detected	1385.1	Detected	Fam73a	1.409340659	0.32437932	1.22607772	0.2821988
A_52_P1685	203.5	Detected	353.3	Detected	581.6	Detected	286.8	Detected	Cebpa	1.409336609	2.85798526	0.8117747	1.646193
A_55_P1958	190.8	Detected	161.4	Detected	308.5	Detected	268.9	Detected	Crebl2	1.40932914	1.61687631	1.66604709	1.9114002
A_55_P1961	192.8	Detected	173.5	Detected	159.1	Detected	271.7	Detected	Gm12472	1.409232365	0.82520747	1.56599424	0.9170029
A_52_P2835	1049.1	Detected	891.1	Detected	843.4	Detected	1478.2	Detected	Rcan3	1.409017253	0.80392718	1.65884861	0.9464707
A_55_P1979	97.8	Detected	99.1	Detected	114.9	Detected	137.8	Detected	Tbata	1.408997955	1.17484663	1.39051463	1.1594349
A_51_P1187	775.7	Detected	741.6	Detected	672.7	Detected	1092.8	Detected	Ap5z1	1.408792059	0.86721671	1.47357066	0.9070928
A_55_P2112	3137.9	Detected	2252.2	Detected	2270	Detected	4420.1	Detected	Lgals8	1.408617228	0.72341375	1.96256993	1.0079034
A_55_P2021	136.4	Detected	129.2	Detected	138.9	Detected	192.1	Detected	Olf700	1.408357771	1.01832845	1.48684211	1.0750774
A_66_P1151	2535.4	Detected	2346	Detected	2645.8	Detected	3570.1	Detected	Wwtr1	1.408101286	1.04354343	1.52178176	1.127792
A_66_P1014	22.3	Detected	47.7	Detected	21.2	Detected	31.4	Not Detect	2310026L22Rik	1.408071749	0.95067265	0.65828092	0.4444444
A_55_P2133	17.4	Detected	10.6	Not Detect	11	Not Detect	24.5	Not Detect	Ndufa5	1.408045977	0.63218391	2.31132075	1.0377358
A_55_P2117	183.1	Detected	239	Detected	158.1	Detected	257.8	Detected	Ccnj	1.407973785	0.86346259	1.07866109	0.6615063
A_52_P3714	116.2	Detected	90.8	Detected	117.3	Detected	163.6	Detected	Sbf2	1.407917384	1.00946644	1.80176211	1.2918502
A_55_P2042	51.5	Detected	102.8	Detected	45.7	Detected	72.5	Detected	Fam161a	1.40776699	0.88737864	0.70525292	0.4445525
A_66_P1162	15.7	Detected	26.4	Detected	27.9	Detected	22.1	Not Detect	Gas2l2	1.407643312	1.77707006	0.83712121	1.0568182
A_55_P2014	18.4	Detected	20.7	Detected	14.4	Not Detect	25.9	Not Detect	Gm318	1.407608696	0.7826087	1.25120773	0.6956522
A_55_P2049	70020.2	Detected	73008.8	Detected	93906.7	Detected	98557.4	Detected	Dbi	1.407556677	1.34113727	1.34993864	1.2862381
A_55_P2062	952.3	Detected	1159.4	Detected	769.7	Detected	1340.4	Detected	Nasp	1.407539641	0.8082537	1.15611523	0.6638779
A_55_P2083	5263	Detected	4244.4	Detected	7820.3	Detected	7407.6	Detected	Pkp4	1.407486225	1.48590158	1.74526435	1.8424984
A_52_P2998	1303.3	Detected	1329.6	Detected	1039.8	Detected	1834.3	Detected	Sh3rf1	1.4074273	0.79782092	1.37958785	0.7820397
A_51_P2303	10.8	Not Detect	22.5	Detected	24.2	Detected	15.2	Not Detect	Efcab3	1.407407407	2.24074074	0.67555556	1.0755556
A_55_P2040	58.2	Detected	54.1	Detected	60.8	Detected	81.9	Detected	Susd2	1.407216495	1.04467354	1.51386322	1.1238447
A_52_P5822	1108.1	Detected	1082.8	Detected	1157.8	Detected	1559.3	Detected	Ikzf5	1.407183467	1.04485155	1.4400628	1.0692649
A_55_P2022	3568.2	Detected	2538.6	Detected	3335.6	Detected	5021.1	Detected	Klf13	1.407180091	0.93481307	1.97790121	1.3139526
A_55_P2035	4006.2	Detected	4893.8	Detected	3669.2	Detected	5636.8	Detected	2610002J02Rik	1.40701912	0.91588039	1.15182476	0.749765
A_55_P2308	199.5	Detected	328.3	Detected	231.7	Detected	280.7	Detected	E130110022Rik	1.407017544	1.16140351	0.85501066	0.7057569
A_52_P5542	6274.6	Detected	6867	Detected	7462.5	Detected	8828.4	Detected	Ilf3	1.407006024	1.18931884	1.28562691	1.0867191
A_55_P2035	4724.9	Detected	6380.2	Detected	1323.5	Detected	6647.9	Detected	Aebp1	1.406992741	0.28011175	1.04195793	0.2074386
A_55_P2131	6276	Detected	5418.1	Detected	6411.4	Detected	8829.8	Detected	Atp6v1a	1.406915233	1.02157425	1.62968568	1.1833299
A_55_P2420	5175	Detected	3881.4	Detected	6529.6	Detected	7280.2	Detected	Igip	1.406801932	1.26175845	1.87566342	1.6822796
A_55_P2051	273.6	Detected	220.1	Detected	266.8	Detected	384.9	Detected	Tbcd	1.406798246	0.9751462	1.74875057	1.2121763
A_55_P1973	28128.2	Detected	30909.3	Detected	29816.3	Detected	39569.5	Detected	Unc5b	1.406755498	1.06001451	1.28018105	0.9646385
A_55_P1977	373.2	Detected	375.3	Detected	327.2	Detected	525	Detected	Ttc14	1.406752412	0.87674169	1.3988809	0.8718359
A_52_P5364	31265.5	Detected	33611.2	Detected	38676	Detected	43980.4	Detected	Mogs	1.406675089	1.23701844	1.30850431	1.1506879
A_55_P2111	105.3	Detected	134.1	Detected	84.7	Detected	148.1	Detected	Zfp157	1.40645774	0.80436847	1.1043997	0.6316182
A_51_P4943	16319.7	Detected	18900.8	Detected	19046.7	Detected	22951.4	Detected	Mbnl2	1.406361637	1.16709866	1.21430839	1.0077192

A_52_P5814	23298.1	Detected	19075.4	Detected	24064.6	Detected	32764.7	Detected	Wasf2	1.406324979	1.03289968	1.71764157	1.2615515
A_52_P3016	6.4	Not Detect	23.6	Detected	5.1	Not Detect	9	Not Detect	Gm4794	1.40625	0.796875	0.38135593	0.2161017
A_55_P2329	19.7	Detected	20.2	Detected	15.1	Not Detect	27.7	Not Detect	D130017N08Rik	1.406091371	0.76649746	1.37128713	0.7475248
A_51_P3303	5370.7	Detected	6423.2	Detected	4470.1	Detected	7551.6	Detected	Ssx2ip	1.406073696	0.83231236	1.17567568	0.6959304
A_55_P2154	173237.9	Detected	187464.5	Detected	210508.6	Detected	243582.8	Detected	Gm10080	1.406059529	1.21514172	1.29935428	1.1229251
A_55_P2018	63.3	Detected	72.6	Detected	29.2	Detected	89	Detected	Sycp1	1.40600316	0.46129542	1.22589532	0.4022039
A_51_P2399	26222.2	Detected	39264.1	Detected	25107.1	Detected	36867.1	Detected	Polr2c	1.40594992	0.95747496	0.93895187	0.6394416
A_55_P2048	21798.9	Detected	26354.4	Detected	23928	Detected	30646.7	Detected	Gm8738	1.405882866	1.09767007	1.16286844	0.9079319
A_51_P4574	21584.6	Detected	17537.4	Detected	37911.3	Detected	30342.8	Detected	Tmem223	1.405761515	1.75640503	1.73017665	2.1617401
A_55_P2074	12682.6	Detected	11491.2	Detected	16600.8	Detected	17827.9	Detected	Exosc7	1.40569757	1.30894296	1.55143936	1.4446533
A_55_P1953	1277.9	Detected	1272.6	Detected	1610.6	Detected	1796.3	Detected	E130311K13Rik	1.405665545	1.26034901	1.41151972	1.265598
A_51_P4875	57.7	Detected	48.7	Detected	61.8	Detected	81.1	Detected	Cd7	1.405545927	1.07105719	1.66529774	1.2689938
A_55_P1967	13635.1	Detected	16646.2	Detected	17825	Detected	19163.3	Detected	Use1	1.405438904	1.30728781	1.15121169	1.070815
A_55_P2162	18.5	Detected	18.3	Detected	21	Detected	26	Not Detect	Art3	1.405405405	1.13513514	1.42076503	1.147541
A_51_P2728	5458.2	Detected	7013.6	Detected	5895.8	Detected	7670.3	Detected	Map2k3	1.405280129	1.08017295	1.09363237	0.8406239
A_66_P1109	511.5	Detected	535.9	Detected	535.9	Detected	718.8	Detected	Msantd2	1.405278592	1.04770283	1.34129502	1
A_52_P2682	816.9	Detected	698.1	Detected	885.7	Detected	1147.7	Detected	Zfp507	1.404945526	1.08422083	1.64403381	1.2687294
A_55_P2047	40.5	Detected	41.7	Detected	39.6	Detected	56.9	Detected	Mylk2	1.404938272	0.97777778	1.36450839	0.9496403
A_55_P2163	37.3	Detected	48.4	Detected	37.5	Detected	52.4	Detected	Olf611	1.404825737	1.00536193	1.08264463	0.7747934
A_55_P2081	1097.1	Detected	1125.4	Detected	2074.2	Detected	1541.2	Detected	Dennd5b	1.404794458	1.89062073	1.36946863	1.843078
A_55_P1961	13.1	Not Detect	9.2	Not Detect	23.2	Detected	18.4	Not Detect	Cd72	1.404580153	1.77099237	2	2.5217391
A_55_P2184	67.5	Detected	107	Detected	67.3	Detected	94.8	Detected	Rnpc3	1.404444444	0.99703704	0.88598131	0.628972
A_55_P2008	21751.9	Detected	21181.1	Detected	26178.3	Detected	30543.6	Detected	Mpc1	1.404180784	1.20349487	1.44202142	1.2359273
A_55_P2059	956.3	Detected	854.5	Detected	847.6	Detected	1342.8	Detected	Dtx3l	1.404161874	0.88633274	1.57144529	0.9919251
A_66_P1167	3850.5	Detected	2972.7	Detected	3361.9	Detected	5405.6	Detected	Vps8	1.403869627	0.87310739	1.81841424	1.1309247
A_55_P2120	15.6	Detected	13	Not Detect	9.6	Not Detect	21.9	Not Detect	Krt72	1.403846154	0.61538462	1.68461538	0.7384615
A_52_P6760	1294.3	Detected	1220.4	Detected	1558.5	Detected	1816.9	Detected	Tmem126b	1.403770378	1.20412578	1.48877417	1.2770403
A_51_P2356	288.3	Detected	1111.6	Detected	242	Detected	404.7	Detected	Alox5ap	1.403746098	0.8394034	0.36406981	0.2177042
A_52_P2226	92.4	Detected	234.5	Detected	95.6	Detected	129.7	Detected	Hspb2	1.403679654	1.03463203	0.55309168	0.4076759
A_55_P2235	6505.7	Detected	9516.7	Detected	5825.2	Detected	9131.4	Detected	6230415J03Rik	1.40359992	0.89539942	0.95951328	0.6121029
A_55_P2119	13831.5	Detected	15038.4	Detected	15309.2	Detected	19412.8	Detected	Yipf1	1.403520949	1.10683585	1.29088201	1.0180072
A_51_P1480	2802.1	Detected	3090.5	Detected	2290.3	Detected	3932.5	Detected	Ptgfrn	1.403411727	0.81735127	1.27244782	0.7410775
A_55_P2056	12429.4	Detected	13994.1	Detected	19224.5	Detected	17442.5	Detected	Coq6	1.403325985	1.54669574	1.24641813	1.3737575
A_52_P5218	49.1	Detected	51.1	Detected	81.8	Detected	68.9	Detected	Hddc3	1.403258656	1.66598778	1.34833659	1.6007828
A_52_P2484	1114	Detected	1133.1	Detected	1460.8	Detected	1563.2	Detected	Pten	1.403231598	1.31131059	1.37957815	1.2892066
A_55_P2113	31.5	Detected	55.5	Detected	30.5	Detected	44.2	Not Detect	Ago4	1.403174603	0.96825397	0.7963964	0.5495495
A_55_P2102	2177.1	Detected	2401.5	Detected	2897.3	Detected	3054.6	Detected	Nprl3	1.403059115	1.33080704	1.27195503	1.2064543
A_52_P4698	16677.8	Detected	20480	Detected	14011.4	Detected	23399.1	Detected	Rfwd3	1.40300879	0.8401228	1.14253418	0.6841504
A_52_P1930	2232.5	Detected	2199.3	Detected	2785.3	Detected	3131.9	Detected	Hadha	1.402866741	1.24761478	1.42404401	1.2664484
A_55_P2178	448.4	Detected	394.9	Detected	362.7	Detected	629	Detected	Zbtb5	1.402765388	0.808876	1.59280831	0.9184604

A_51_P3832	852.3	Detected	1257.5	Detected	816.9	Detected	1195.5	Detected	Tmem161a	1.402675114	0.95846533	0.95069583	0.6496223
A_51_P3659	3581.6	Detected	4207.1	Detected	5337.6	Detected	5023	Detected	Trdmt1	1.402445834	1.49028367	1.19393406	1.2687124
A_55_P2295	186.4	Detected	204.8	Detected	219.5	Detected	261.4	Detected	3010027C24Rik	1.402360515	1.17757511	1.27636719	1.0717773
A_52_P6539	852.3	Detected	1226.2	Detected	1259.4	Detected	1194.9	Detected	Eny2	1.401971137	1.47764872	0.97447398	1.0270755
A_55_P2133	472.8	Detected	360.2	Detected	739.5	Detected	662.8	Detected	Ccdc50	1.401861252	1.56408629	1.84008884	2.0530261
A_55_P1959	78.4	Detected	113.2	Detected	98.8	Detected	109.9	Detected	Atp4b	1.401785714	1.26020408	0.97084806	0.8727915
A_52_P6664	56.5	Detected	73.5	Detected	66.1	Detected	79.2	Detected	4930519H02Rik	1.401769912	1.1699115	1.07755102	0.8993197
A_55_P2313	3270.6	Detected	3367.6	Detected	2349.2	Detected	4583.7	Detected	D10Bwg1070e	1.401485966	0.71827799	1.36111771	0.6975888
A_66_P1110	209.5	Detected	230.9	Detected	87.9	Detected	293.6	Detected	Gata3	1.401431981	0.41957041	1.27154612	0.3806843
A_55_P1962	16909.7	Detected	15043.6	Detected	24017.2	Detected	23697.3	Detected	Stx5a	1.401402745	1.42032088	1.5752413	1.5965062
A_55_P1983	175.4	Detected	128.4	Detected	121.4	Detected	245.8	Detected	Cd300ld	1.401368301	0.69213227	1.91433022	0.9454829
A_65_P1524	1369.6	Detected	1447.4	Detected	751.3	Detected	1919.1	Detected	Nrp2	1.401212033	0.54855432	1.32589471	0.5190687
A_55_P1992	91869.7	Detected	101096.8	Detected	118182.3	Detected	128724.3	Detected	Vdac2	1.401161645	1.28641217	1.27327769	1.1690014
A_52_P4667	3655.7	Detected	4314.3	Detected	4772.7	Detected	5121.9	Detected	Fuom	1.401072298	1.30555024	1.18719143	1.1062513
A_52_P5234	1939.4	Detected	2251	Detected	1780.4	Detected	2717	Detected	Rfx1	1.400948747	0.91801588	1.2070191	0.7909374
A_55_P2013	194.8	Detected	258	Detected	281.6	Detected	272.9	Detected	Acad8	1.400924025	1.44558522	1.05775194	1.0914729
A_51_P4302	452.5	Detected	258.2	Detected	544.7	Detected	633.9	Detected	Gpd1l	1.400883978	1.20375691	2.45507359	2.109605
A_55_P2142	11168.1	Detected	9502.6	Detected	11204.3	Detected	15645.2	Detected	Mink1	1.400882872	1.00324137	1.64641256	1.1790773
A_51_P3005	46.9	Detected	81.1	Detected	59.6	Detected	65.7	Detected	2810405F15Rik	1.400852878	1.27078891	0.81011097	0.7348952
A_66_P1332	3841.8	Detected	4501.5	Detected	3193.5	Detected	5381.6	Detected	Ankrd50	1.400801708	0.83125098	1.19551261	0.7094302
A_51_P4907	27.2	Detected	44.7	Detected	23.6	Detected	38.1	Not Detect	Ccdc40	1.400735294	0.86764706	0.85234899	0.5279642
A_66_P1026	27.7	Detected	30.9	Detected	27.9	Detected	38.8	Not Detect	Olf951	1.400722022	1.00722022	1.25566343	0.9029126
A_55_P2165	102.6	Detected	26	Detected	471.4	Detected	143.7	Detected	Serpina1a	1.400584795	4.59454191	5.52692308	18.130769
A_51_P1758	31670.3	Detected	41710.7	Detected	31751.9	Detected	44356.4	Detected	Got2	1.400567724	1.00257655	1.06342977	0.7612411
A_55_P2262	36.2	Detected	50.1	Detected	22.7	Detected	50.7	Detected	Tbck	1.400552486	0.62707182	1.01197605	0.4530938
A_55_P2178	23856.6	Detected	26318.9	Detected	21740.7	Detected	33411.8	Detected	Rap1gds1	1.400526479	0.91130756	1.26949835	0.826049
A_55_P1959	1393	Detected	1126.2	Detected	1372.6	Detected	1950.7	Detected	Top3b	1.400358938	0.98535535	1.73210797	1.2187888
A_55_P2025	13545.2	Detected	16046.5	Detected	15979.1	Detected	18967.8	Detected	Snx3	1.400333698	1.17968727	1.18205216	0.9957997
A_55_P1962	15984.6	Detected	15620.2	Detected	19036.6	Detected	22382.9	Detected	Mpc1	1.400279019	1.19093377	1.4329458	1.2187168
A_55_P2123	534.2	Detected	667.3	Detected	739	Detected	748	Detected	Lmbrd1	1.400224635	1.38337701	1.12093511	1.1074479
A_55_P1963	1973.2	Detected	1971.4	Detected	2051.2	Detected	2762.7	Detected	Yae1d1	1.400111494	1.0395297	1.40138988	1.0404788
A_51_P2390	5020.8	Detected	5174.3	Detected	5054.8	Detected	7029.6	Detected	Ubn2	1.400095602	1.00677183	1.35856058	0.9769051
A_55_P2015	23893.4	Detected	22981.7	Detected	31625.2	Detected	33452.7	Detected	Syvn1	1.400081194	1.32359564	1.45562339	1.3761036
A_55_P2007	68	Detected	85.2	Detected	62.5	Detected	95.2	Detected	Gm20604	1.4	0.91911765	1.11737089	0.7335681
A_52_P2060	15	Detected	14.7	Not Detect	30.3	Detected	21	Not Detect	Apitd1	1.4	2.02	1.42857143	2.0612245
A_55_P1994	4529.9	Detected	4917.2	Detected	6610.4	Detected	6341.8	Detected	Gm16381	1.399986755	1.45928166	1.28971773	1.3443423
A_55_P1993	4128.6	Detected	4274.7	Detected	4300.3	Detected	5779.9	Detected	Mbd6	1.39996609	1.04158795	1.35211828	1.0059887
A_55_P2059	5686.2	Detected	4144.4	Detected	8091.6	Detected	7959.9	Detected	Abhd14b	1.399862826	1.42302416	1.9206399	1.9524177
A_52_P4527	1828.3	Detected	1719.4	Detected	1890.8	Detected	2559	Detected	Pdcd6ip	1.399660887	1.03418476	1.48830988	1.0996859
A_66_P1029	454.9	Detected	436.8	Detected	358.4	Detected	636.7	Detected	Gm2155	1.399648274	0.78786546	1.45764652	0.8205128

A_55_P2121	476.2 Detected	514.8 Detected	530.9 Detected	666.5 Detected	Tpm2	1.399622008	1.1148677	1.29467754	1.0312743
A_55_P2012	4344.7 Detected	3953.7 Detected	2962.1 Detected	6080.9 Detected	Gigyf1	1.399613322	0.68177319	1.53802767	0.749197
A_55_P2094	35.8 Detected	59.1 Detected	26.9 Detected	50.1 Detected	Srgn	1.399441341	0.75139665	0.84771574	0.4551607
A_55_P2001	248.1 Detected	230.7 Detected	223.6 Detected	347.2 Detected	Cd80	1.399435711	0.9012495	1.50498483	0.9692241
A_52_P3953	32.3 Detected	42.3 Detected	45 Detected	45.2 Not Detect	4930412M03Rik	1.399380805	1.39318885	1.06855792	1.0638298
A_55_P2273	286.2 Detected	337.2 Detected	435.5 Detected	400.5 Detected	Msh5	1.399371069	1.52166317	1.18772242	1.2915184
A_51_P1686	31.3 Detected	68.7 Detected	35.8 Detected	43.8 Not Detect	Klf1	1.399361022	1.14376997	0.63755459	0.5211063
A_52_P2235	374 Detected	545.3 Detected	486.4 Detected	523.3 Detected	Dennd6b	1.399197861	1.30053476	0.95965524	0.8919861
A_52_P6822	77.2 Detected	50.4 Detected	80.7 Detected	108 Detected	4933421O10Rik	1.398963731	1.04533679	2.14285714	1.6011905
A_55_P2247	392.1 Detected	393.7 Detected	395.1 Detected	548.5 Detected	Gm21710	1.398877837	1.00765111	1.39319279	1.003556
A_51_P2675	1642.7 Detected	2208.1 Detected	1809.7 Detected	2297.7 Detected	Frg1	1.398733792	1.1016619	1.04057787	0.8195734
A_66_P1003	8531.5 Detected	8013.2 Detected	8658.9 Detected	11932.4 Detected	Esyt2	1.398628612	1.0149329	1.489093	1.0805795
A_55_P2132	71 Detected	99 Detected	127 Detected	99.3 Detected	Sdcbp	1.398591549	1.78873239	1.0030303	1.2828283
A_55_P2077	194.7 Detected	288.2 Detected	170.4 Detected	272.3 Detected	Klra5	1.39856189	0.8751926	0.94482998	0.5912561
A_51_P3498	266.5 Detected	60.6 Detected	508.4 Detected	372.7 Detected	Ang2	1.398499062	1.90769231	6.15016502	8.3894389
A_52_P2278	1487.6 Detected	1960 Detected	1250.2 Detected	2080.2 Detected	Zfp866	1.398359774	0.84041409	1.06132653	0.6378571
A_51_P4783	4670.4 Detected	6572 Detected	6206.5 Detected	6530.8 Detected	Nmd3	1.398338472	1.32890116	0.99373098	0.9443853
A_52_P1671	222.2 Detected	243.8 Detected	269 Detected	310.7 Detected	Recql5	1.398289829	1.21062106	1.27440525	1.1033634
A_51_P4645	4981.1 Detected	5350 Detected	7344.7 Detected	6964.6 Detected	Psen1	1.398205216	1.47451366	1.30179439	1.3728411
A_52_P5856	2765.1 Detected	2564.8 Detected	2359.6 Detected	3866.1 Detected	Fndc3b	1.398177281	0.85335069	1.507369	0.9199938
A_55_P2180	1223.1 Detected	1179 Detected	1507.9 Detected	1710 Detected	Lrrc28	1.398086829	1.23285095	1.45038168	1.2789652
A_55_P2018	334.1 Detected	315.5 Detected	342.8 Detected	467.1 Detected	Mob3a	1.398084406	1.02604011	1.48050713	1.0865293
A_55_P2178	465.5 Detected	431.8 Detected	539.6 Detected	650.8 Detected	Abcc8	1.398066595	1.15918367	1.50717925	1.2496526
A_52_P1476	1588.2 Detected	1899.8 Detected	1909.9 Detected	2220.4 Detected	Slc30a7	1.398060698	1.20255635	1.16875461	1.0053163
A_55_P2371	67.1 Detected	129 Detected	78.1 Detected	93.8 Detected	LOC100502705	1.397913562	1.16393443	0.72713178	0.6054264
A_51_P4398	2327.8 Detected	3000.6 Detected	1831.4 Detected	3254 Detected	Dnajc21	1.397886416	0.78675144	1.08444978	0.6103446
A_55_P2147	9547.1 Detected	10668.1 Detected	9014.8 Detected	13344.6 Detected	Fam118a	1.397764766	0.94424485	1.25088816	0.8450239
A_55_P2084	4823 Detected	4593.9 Detected	5801.5 Detected	6741.2 Detected	Rab5b	1.397719262	1.20288202	1.46742419	1.2628703
A_66_P1128	13694.9 Detected	14206 Detected	14664.8 Detected	19139.8 Detected	Ubl3	1.397585963	1.07082198	1.34730396	1.0322962
A_55_P2027	63957 Detected	69181.9 Detected	81548.8 Detected	89378 Detected	Ndufa5	1.397470175	1.27505668	1.29192751	1.1787592
A_55_P1984	710.2 Detected	649 Detected	691.7 Detected	992.4 Detected	Vapb	1.397352858	0.973951	1.52912173	1.0657935
A_55_P2009	4746 Detected	4193 Detected	5629.2 Detected	6631 Detected	Stxbp3a	1.39717657	1.18609355	1.58144527	1.3425233
A_51_P3246	3882.6 Detected	3043.9 Detected	7282.1 Detected	5424.6 Detected	C330018D20Rik	1.397156545	1.87557307	1.78212162	2.3923585
A_52_P4005	1192.8 Detected	865.8 Detected	1246.5 Detected	1666.4 Detected	Atm	1.39704896	1.04502012	1.92469392	1.4397089
A_52_P8490	659.9 Detected	214.6 Detected	691 Detected	921.8 Detected	Slc44a1	1.396878315	1.04712835	4.29543336	3.2199441
A_55_P2116	92301.7 Detected	95885.7 Detected	128321.4 Detected	128926.1 Detected	Dbi	1.396790092	1.39023875	1.3445811	1.3382746
A_55_P2006	10763 Detected	8636.5 Detected	8780.6 Detected	15033.2 Detected	Slc4a2	1.396748119	0.81581343	1.74065883	1.016685
A_55_P2244	436.3 Detected	422.3 Detected	570 Detected	609.4 Detected	Taf9b	1.396745359	1.30644052	1.44304996	1.3497514
A_55_P2155	18.4 Detected	22 Detected	29.3 Detected	25.7 Not Detect	Syp12	1.39673913	1.5923913	1.16818182	1.3318182
A_66_P1079	2295.3 Detected	3157.7 Detected	2568.4 Detected	3205.9 Detected	Prpf38b	1.39672374	1.11898227	1.01526427	0.8133768

A_55_P2410	677.4	Detected	631.8	Detected	592.4	Detected	946.1	Detected	Iigp1	1.396663714	0.87452022	1.49746755	0.9376385
A_55_P2167	1041.2	Detected	1494.9	Detected	1486.9	Detected	1454.1	Detected	Pcsk4	1.39656166	1.42806377	0.9727072	0.9946485
A_52_P4245	33307.8	Detected	24564.1	Detected	37243.1	Detected	46514	Detected	Ctnnb1	1.396489711	1.1181495	1.8935764	1.5161598
A_52_P2763	721	Detected	995.1	Detected	870.6	Detected	1006.6	Detected	D19Bwg1357e	1.396116505	1.2074896	1.01155663	0.8748869
A_66_P1027	1397.7	Detected	905	Detected	1880.8	Detected	1951.3	Detected	Ccdc28b	1.396079273	1.34563926	2.1561326	2.078232
A_51_P2503	1230.6	Detected	1526.1	Detected	1145.4	Detected	1717.9	Detected	Prpf39	1.395985698	0.93076548	1.12567984	0.7505406
A_52_P5043	4339.4	Detected	3353.2	Detected	5791.5	Detected	6057.7	Detected	Naglu	1.395976402	1.33463152	1.806543	1.7271561
A_52_P4230	358.7	Detected	346.6	Detected	415.6	Detected	500.7	Detected	Zfp654	1.395873989	1.15862838	1.44460473	1.1990767
A_55_P1991	2645.3	Detected	2540.2	Detected	3308.2	Detected	3692.3	Detected	Tmf1	1.395796318	1.2505954	1.45354696	1.3023384
A_55_P1990	330	Detected	323.9	Detected	377.8	Detected	460.6	Detected	Arhgap28	1.395757576	1.14484848	1.42204384	1.1664094
A_55_P2033	10481.7	Detected	11931.1	Detected	15235.7	Detected	14628.9	Detected	Cept1	1.395661009	1.45355238	1.22611494	1.2769736
A_51_P1412	3524.5	Detected	5471.3	Detected	2005.4	Detected	4918.9	Detected	Sec24d	1.395630586	0.56898851	0.89903679	0.3665308
A_55_P1964	5427.9	Detected	7978.7	Detected	4805.8	Detected	7573.7	Detected	Smarca5-ps	1.395327843	0.88538846	0.94923985	0.6023287
A_55_P2101	43851.1	Detected	41155.4	Detected	52284.1	Detected	61185.6	Detected	Tomm7	1.395303653	1.19230989	1.48669676	1.2704068
A_55_P2002	3048.2	Detected	3631.9	Detected	2642.9	Detected	4253	Detected	Zfp747	1.395249656	0.86703628	1.17101242	0.7276907
A_55_P2074	7313.4	Detected	10482.7	Detected	9909	Detected	10203.3	Detected	Snap47	1.395151366	1.35491016	0.97334656	0.9452717
A_55_P1989	854.5	Detected	1003.7	Detected	1261.5	Detected	1192.1	Detected	Lin52	1.395084845	1.47630193	1.18770549	1.2568497
A_52_P3758	15.7	Detected	22	Detected	11.5	Not Detect	21.9	Not Detect	Catsperg2	1.394904459	0.73248408	0.99545455	0.5227273
A_55_P2240	510.6	Detected	528.1	Detected	560.3	Detected	712.2	Detected	1110008J03Rik	1.394829612	1.09733647	1.34860822	1.0609733
A_55_P1955	831.5	Detected	1026.3	Detected	770.2	Detected	1159.8	Detected	Rgma	1.394828623	0.92627781	1.13007892	0.7504628
A_55_P2138	22.8	Detected	26.3	Detected	40.1	Detected	31.8	Not Detect	Tpk1	1.394736842	1.75877193	1.20912548	1.5247148
A_55_P2295	462.2	Detected	438.1	Detected	479.4	Detected	644.6	Detected	D9Erd720e	1.394634357	1.03721333	1.47135357	1.0942707
A_51_P1701	149.3	Detected	152.7	Detected	154.1	Detected	208.2	Detected	Alx4	1.394507703	1.03215003	1.36345776	1.0091683
A_55_P2014	191.9	Detected	214.6	Detected	170.3	Detected	267.6	Detected	BC068281	1.39447629	0.88744138	1.24697111	0.7935694
A_55_P1990	18	Detected	16.3	Detected	19	Detected	25.1	Not Detect	Masp2	1.394444444	1.05555556	1.5398773	1.1656442
A_52_P7709	158.2	Detected	125.9	Detected	130.4	Detected	220.6	Detected	1600014C10Rik	1.394437421	0.82427307	1.75218427	1.0357427
A_66_P1207	82.4	Detected	89.5	Detected	81.9	Detected	114.9	Detected	Gpr45	1.394417476	0.99393204	1.28379888	0.9150838
A_55_P2223	74.8	Detected	63.9	Detected	82.2	Detected	104.3	Detected	B130019D13Rik	1.394385027	1.09893048	1.63223787	1.286385
A_55_P1997	21.3	Detected	15.7	Detected	19.4	Detected	29.7	Not Detect	Nupr11	1.394366197	0.91079812	1.89171975	1.2356688
A_55_P2058	26183.2	Detected	27124.4	Detected	21339	Detected	36508.6	Detected	Cmip	1.394352104	0.81498824	1.34596894	0.7867086
A_55_P1985	1732.4	Detected	5123.5	Detected	1906.3	Detected	2415.4	Detected	Tiparp	1.39425075	1.10038097	0.47143554	0.3720699
A_55_P2030	12721	Detected	12849.7	Detected	15123.7	Detected	17735.8	Detected	Rp9	1.394214291	1.18887666	1.38025012	1.1769691
A_52_P1162	27.4	Detected	22.3	Detected	14.4	Not Detect	38.2	Not Detect	Adhfe1	1.394160584	0.52554745	1.71300448	0.6457399
A_52_P3815	6.6	Not Detect	24.2	Detected	3.7	Not Detect	9.2	Not Detect	Btbd17	1.393939394	0.56060606	0.03691814	0.0148475
A_52_P1984	394.5	Detected	480.7	Detected	501.9	Detected	549.9	Detected	Pcgf5	1.39391635	1.27224335	1.14395673	1.0441024
A_55_P2052	6449	Detected	6848.6	Detected	6604.5	Detected	8988.5	Detected	Ccdc82	1.393781982	1.02411227	1.31245802	0.9643577
A_52_P3025	1201.1	Detected	1227	Detected	1223.5	Detected	1673.7	Detected	Chn2	1.39347265	1.01864957	1.36405868	0.9971475
A_55_P2003	1194.8	Detected	1111.4	Detected	1066.3	Detected	1664.9	Detected	Fam107a	1.393454972	0.89245062	1.49802051	0.9594206
A_51_P5107	1140.7	Detected	1119.5	Detected	1540.6	Detected	1589.4	Detected	1110008J03Rik	1.393354957	1.35057421	1.41974096	1.3761501
A_55_P1983	23.9	Detected	25.7	Detected	31.3	Detected	33.3	Not Detect	Adam39	1.393305439	1.30962343	1.29571984	1.2178988

A_55_P2053	2861	Detected	3284.7	Detected	2411.6	Detected	3986.1	Detected	Itsn2	1.393254107	0.84292206	1.21353548	0.7341919
A_55_P1965	47.3	Detected	59.9	Detected	94.1	Detected	65.9	Detected	Atp2a3	1.393234672	1.98942918	1.10016694	1.5709516
A_52_P2012	37872.2	Detected	30571	Detected	45225.9	Detected	52756.3	Detected	Scrn1	1.393008592	1.19417145	1.72569756	1.4793726
A_55_P2085	6155.1	Detected	5358.3	Detected	7977.4	Detected	8574.1	Detected	Fam103a1	1.393007425	1.29606343	1.60015303	1.4887931
A_51_P3140	21260.5	Detected	24542.8	Detected	34004.8	Detected	29614.4	Detected	Banf1	1.392930552	1.59943557	1.20664309	1.3855306
A_55_P2037	198.3	Detected	128.1	Detected	194.6	Detected	276.2	Detected	Tmem106a	1.392839133	0.9813414	2.15612802	1.5191257
A_55_P2059	43235.2	Detected	57610.6	Detected	53890.3	Detected	60215.8	Detected	Gm13315	1.392749426	1.24644503	1.04522084	0.9354233
A_52_P6834	5147.6	Detected	3815.2	Detected	5189.3	Detected	7168.8	Detected	Capn5	1.392649001	1.00810086	1.87901027	1.3601646
A_55_P2123	986.4	Detected	1285.1	Detected	920.2	Detected	1373.7	Detected	Dnal4	1.392639903	0.93288727	1.06894405	0.7160532
A_55_P2409	127596.7	Detected	148110.8	Detected	118466.1	Detected	177688.8	Detected	Luc7l2	1.39258147	0.92844172	1.19970184	0.7998478
A_55_P2113	678.4	Detected	716.9	Detected	683.2	Detected	944.7	Detected	Miip	1.392541274	1.00707547	1.31775701	0.952992
A_55_P2065	56.3	Detected	59	Detected	81.9	Detected	78.4	Detected	2310067B10Rik	1.392539964	1.45470693	1.32881356	1.3881356
A_52_P2140	137.4	Detected	137.1	Detected	159.6	Detected	191.3	Detected	Lmbr1	1.392285298	1.16157205	1.39533187	1.1641138
A_51_P3984	1127.5	Detected	1113.1	Detected	1099.1	Detected	1569.8	Detected	Bsdc1	1.392283814	0.97481153	1.41029557	0.9874225
A_51_P3365	437.7	Detected	1009.5	Detected	90.6	Detected	609.4	Detected	Zfpm2	1.392277816	0.20699109	0.60366518	0.0897474
A_51_P1420	2815.6	Detected	2242.6	Detected	3337.7	Detected	3919.8	Detected	Oxld1	1.392172184	1.18543117	1.74788192	1.4883171
A_55_P2010	81.1	Detected	85.4	Detected	121	Detected	112.9	Detected	Tspan32	1.392108508	1.4919852	1.32201405	1.4168618
A_66_P1214	14238.1	Detected	11865.3	Detected	20732.7	Detected	19820.9	Detected	Chmp6	1.392102879	1.45614232	1.67049295	1.7473389
A_51_P1477	27.8	Detected	57.3	Detected	25	Detected	38.7	Not Detect	Cpne9	1.392086331	0.89928058	0.67539267	0.4363002
A_55_P1953	100.5	Detected	95.6	Detected	105	Detected	139.9	Detected	Lhb	1.392039801	1.04477612	1.46338912	1.0983264
A_55_P2173	130680.8	Detected	151896.2	Detected	117490.6	Detected	181867.3	Detected	Rrm2	1.391691052	0.89906551	1.19731303	0.7734927
A_55_P1973	60.8	Detected	102.6	Detected	41.6	Detected	84.6	Detected	Gm2240	1.391447368	0.68421053	0.8245614	0.4054581
A_55_P2131	7147	Detected	9122.5	Detected	8619.8	Detected	9943	Detected	Churc1	1.391213096	1.20607248	1.08994245	0.9448945
A_55_P2146	7258	Detected	8155.5	Detected	6623.9	Detected	10096.6	Detected	Cnr2	1.391099476	0.91263433	1.23801116	0.8122004
A_52_P5213	15.6	Detected	18.1	Not Detect	15.4	Not Detect	21.7	Not Detect	A930024E05Rik	1.391025641	0.98717949	1.19889503	0.8508287
A_52_P2299	13.3	Not Detect	23.8	Detected	15	Not Detect	18.5	Not Detect	Slc22a1	1.390977444	1.12781955	0.77731092	0.6302521
A_55_P2118	45.8	Detected	43.9	Detected	54.9	Detected	63.7	Detected	Leng8	1.390829694	1.19868996	1.45102506	1.2505695
A_51_P2325	93.4	Detected	85.4	Detected	112.8	Detected	129.9	Detected	Nphp3	1.390792291	1.20770878	1.52107728	1.3208431
A_55_P2055	11931	Detected	10785.8	Detected	13712.6	Detected	16593.3	Detected	Snapin	1.390771939	1.14932529	1.53843943	1.2713568
A_55_P2144	11968.4	Detected	10833.3	Detected	12516.2	Detected	16644.7	Detected	Mink1	1.390720564	1.04577053	1.53643857	1.1553451
A_55_P2044	73.2	Detected	104.6	Detected	100.3	Detected	101.8	Detected	Gm14025	1.390710383	1.37021858	0.97323136	0.958891
A_51_P2981	1227.4	Detected	876.9	Detected	1232.8	Detected	1706.9	Detected	Sbf2	1.39066319	1.00439954	1.94651614	1.4058616
A_51_P2431	3102	Detected	2837.4	Detected	3531.9	Detected	4313.8	Detected	Adcy6	1.390651193	1.13858801	1.52033552	1.2447663
A_55_P2128	913.5	Detected	832.1	Detected	1093.4	Detected	1270.2	Detected	LOC101056555	1.39047619	1.19693487	1.52649922	1.3140248
A_51_P2821	1408.1	Detected	1277.1	Detected	1117.1	Detected	1957.9	Detected	Mtor	1.390455223	0.79333854	1.53308277	0.8747162
A_55_P2349	649.7	Detected	508	Detected	645.8	Detected	903.2	Detected	D330022H12Rik	1.390180083	0.99399723	1.77795276	1.2712598
A_55_P2009	142	Detected	107.6	Detected	460.6	Detected	197.4	Detected	Gm608	1.390140845	3.24366197	1.83457249	4.2806691
A_55_P2212	81.3	Detected	93.9	Detected	53.8	Detected	113	Detected	Pon2	1.389913899	0.66174662	1.20340788	0.5729499
A_55_P2090	16087.8	Detected	21509.5	Detected	18794.4	Detected	22360.4	Detected	Larp4	1.389897935	1.16823929	1.03955926	0.8737721
A_55_P2141	14578.8	Detected	17968.5	Detected	16993.9	Detected	20259.1	Detected	Ldha	1.389627404	1.16565835	1.12747864	0.9457606

A_51_P4935	13456.3	Detected	13295.8	Detected	15723.4	Detected	18696.8	Detected	Rnpep	1.389445836	1.16847871	1.40621851	1.182584
A_51_P4188	18.5	Detected	12.4	Not Detect	17.9	Detected	25.7	Not Detect	Tfap2c	1.389189189	0.96756757	2.07258065	1.4435484
A_51_P4755	2091.9	Detected	2688.6	Detected	1411.4	Detected	2906	Detected	Ugp2	1.389167742	0.67469764	1.08085993	0.5249572
A_55_P2086	652.5	Detected	629.5	Detected	649.7	Detected	906.4	Detected	Cntf	1.389118774	0.99570881	1.43987292	1.032089
A_55_P1967	71861.8	Detected	88465.6	Detected	70208.2	Detected	99813.2	Detected	Gm8526	1.388960477	0.97698917	1.12827133	0.7936215
A_52_P2467	13095.5	Detected	15622.5	Detected	16250.8	Detected	18187	Detected	Ghitm	1.388797679	1.24094536	1.16415426	1.0402176
A_55_P1989	547.1	Detected	575.9	Detected	221.4	Detected	759.8	Detected	Galnt11	1.388777189	0.40467922	1.31932627	0.3844417
A_52_P1207	634.3	Detected	566.9	Detected	684.5	Detected	880.9	Detected	0610030E20Rik	1.388775028	1.07914236	1.55388957	1.207444
A_51_P3133	3736	Detected	2570.6	Detected	6796	Detected	5188.3	Detected	2700089E24Rik	1.388731263	1.81905782	2.01832257	2.6437408
A_51_P1654	117435.2	Detected	147165.7	Detected	129841.9	Detected	163082.1	Detected	Cox4i1	1.388698618	1.1056472	1.10815292	0.8822837
A_51_P1832	26.5	Detected	35.8	Detected	37.4	Detected	36.8	Not Detect	Riia1	1.388679245	1.41132075	1.02793296	1.0446927
A_52_P4764	1666	Detected	1070	Detected	848	Detected	2313.5	Detected	Evc	1.388655462	0.5090036	2.16214953	0.7925234
A_55_P2004	8823.7	Detected	8088.7	Detected	8280.5	Detected	12253	Detected	Tacc2	1.388646486	0.93843852	1.51482933	1.0237121
A_55_P1953	3125.2	Detected	3144.7	Detected	2797.9	Detected	4339.5	Detected	Triobp	1.388551133	0.8952707	1.37994085	0.8897192
A_55_P2038	22010.8	Detected	25415.9	Detected	33513.5	Detected	30562.1	Detected	Tmco1	1.388504734	1.52259345	1.20247955	1.3186037
A_55_P2048	2285.8	Detected	3895.4	Detected	1992.1	Detected	3173.6	Detected	Fam84b	1.388397935	0.87151107	0.81470452	0.5113981
A_52_P4384	749	Detected	888	Detected	756.8	Detected	1039.9	Detected	Sco1	1.388384513	1.01041389	1.17105856	0.8522523
A_66_P1226	43	Detected	49.4	Detected	28	Detected	59.7	Detected	Mrgpra4	1.388372093	0.65116279	1.20850202	0.5668016
A_55_P2270	3469.7	Detected	2311.3	Detected	1968	Detected	4817.2	Detected	C230096K16Rik	1.388362106	0.56719601	2.08419504	0.8514689
A_52_P6859	3064.1	Detected	3259.3	Detected	2525.3	Detected	4253.9	Detected	Efcab14	1.388303254	0.82415718	1.30515755	0.7747983
A_51_P1807	4240.9	Detected	3978.9	Detected	5813.8	Detected	5887.3	Detected	Mlh1	1.388219482	1.37088825	1.47963005	1.4611576
A_51_P1795	425.4	Detected	78.8	Detected	684.4	Detected	590.5	Detected	Ang3	1.388105313	1.60883874	7.49365482	8.6852792
A_52_P1316	5349.8	Detected	5415.2	Detected	6796.8	Detected	7424.4	Detected	Rbm7	1.387790198	1.2704774	1.37102969	1.2551337
A_55_P2086	6693.5	Detected	8200.8	Detected	8689.4	Detected	9288.6	Detected	Bcdin3d	1.387704489	1.29818481	1.1326456	1.0595796
A_55_P2079	580.1	Detected	544.4	Detected	614.4	Detected	804.9	Detected	Dnm1	1.387519393	1.05912774	1.47850845	1.1285819
A_51_P3444	99.1	Detected	104.5	Detected	94.3	Detected	137.5	Detected	Zfp748	1.387487386	0.95156408	1.31578947	0.9023923
A_52_P5606	1113.9	Detected	751.5	Detected	1320.6	Detected	1545.5	Detected	1300002E11Rik	1.387467457	1.18556423	2.05655356	1.7572854
A_55_P2029	200.8	Detected	204.3	Detected	128.9	Detected	278.6	Detected	Ppp1r3f	1.387450199	0.64193227	1.36368086	0.6309349
A_55_P2129	104.8	Detected	85	Detected	81.8	Detected	145.4	Detected	Prrt1	1.38740458	0.78053435	1.71058824	0.9623529
A_51_P2481	1463.6	Detected	1099.6	Detected	2146.1	Detected	2030.6	Detected	Bbc3	1.387400929	1.46631593	1.84667152	1.9517097
A_52_P9735	11.1	Not Detect	30.1	Detected	11	Not Detect	15.4	Not Detect	Hoxb9	1.387387387	0.99099099	0.51162791	0.3654485
A_55_P2042	38	Detected	35.5	Detected	37.4	Detected	52.7	Not Detect	Sorcs2	1.386842105	0.98421053	1.48450704	1.0535211
A_51_P1220	7052.1	Detected	6558.1	Detected	6648.4	Detected	9780	Detected	Usp20	1.386820947	0.94275464	1.49128559	1.0137692
A_55_P2202	571.7	Detected	455.1	Detected	494.3	Detected	792.8	Detected	C430045I18Rik	1.386741298	0.86461431	1.74203472	1.0861349
A_55_P2001	596.1	Detected	704.8	Detected	384.4	Detected	826.6	Detected	Klhl8	1.386680087	0.64485825	1.17281498	0.545403
A_52_P3465	18554.5	Detected	20356.2	Detected	18741.4	Detected	25728.4	Detected	Glt25d1	1.38663936	1.01007303	1.26390977	0.9206728
A_55_P1981	477.8	Detected	521.1	Detected	439.5	Detected	662.5	Detected	Sdccag8	1.386563416	0.91984094	1.27134907	0.8434082
A_55_P1985	138.4	Detected	174.4	Detected	126.2	Detected	191.9	Detected	Pogz	1.386560694	0.91184971	1.10034404	0.7236239
A_55_P1966	28.2	Detected	56.4	Detected	69.2	Detected	39.1	Not Detect	Prss32	1.386524823	2.45390071	0.69326241	1.2269504
A_66_P1209	266.3	Detected	294.2	Detected	303.6	Detected	369.2	Detected	Rad51d	1.386406309	1.14006759	1.25492862	1.0319511

A_55_P1958	3557.1	Detected	2157.6	Detected	3707.3	Detected	4931.5	Detected	Hr	1.386382165	1.04222541	2.28564145	1.7182518
A_55_P2087	1890.9	Detected	2280.4	Detected	2959.3	Detected	2621.4	Detected	Mipep	1.386323973	1.56502195	1.14953517	1.2977109
A_55_P2321	53.6	Detected	43	Detected	39.2	Detected	74.3	Detected	D230040A04Rik	1.38619403	0.73134328	1.72790698	0.9116279
A_55_P2177	216.8	Detected	210.1	Detected	215.2	Detected	300.5	Detected	Tmem29	1.386070111	0.99261993	1.4302713	1.0242742
A_51_P5128	2322.7	Detected	2623.7	Detected	3388.9	Detected	3218.8	Detected	Dera	1.385801007	1.45903474	1.22681709	1.2916492
A_55_P1966	285.2	Detected	416.9	Detected	250.2	Detected	395.2	Detected	Fam84b	1.38569425	0.8772791	0.94794915	0.6001439
A_55_P2039	157.2	Detected	179.5	Detected	163.3	Detected	217.8	Detected	Gm4858	1.385496183	1.03880407	1.21337047	0.9097493
A_55_P2071	875	Detected	828.9	Detected	1264.7	Detected	1212.2	Detected	Eml2	1.385371429	1.44537143	1.46242007	1.525757
A_51_P1164	16910.5	Detected	10496.6	Detected	24493	Detected	23426.3	Detected	Abcc5	1.385310902	1.44839005	2.23179887	2.3334223
A_52_P1309	23.1	Detected	18	Not Detect	39.8	Detected	32	Not Detect	ExpH5	1.385281385	1.72294372	1.77777778	2.2111111
A_55_P2014	586.2	Detected	464	Detected	497.9	Detected	811.9	Detected	Taok3	1.385022177	0.84936882	1.74978448	1.0730603
A_55_P2074	4513.1	Detected	4361.2	Detected	5140.6	Detected	6250.5	Detected	Gtf2h1	1.384968204	1.13903968	1.43320646	1.1787123
A_55_P2043	483.7	Detected	498.1	Detected	419.8	Detected	669.9	Detected	Mtm1	1.384949349	0.86789332	1.34491066	0.8428027
A_55_P2071	27.8	Detected	30.9	Detected	20.7	Detected	38.5	Not Detect	Pde3a	1.384892086	0.74460432	1.24595469	0.6699029
A_55_P2255	342.6	Detected	391.4	Detected	182	Detected	474.4	Detected	F630048H11Rik	1.384705196	0.53123176	1.21205927	0.4649974
A_51_P4668	2184.8	Detected	3215.1	Detected	1357.1	Detected	3025.1	Detected	Scoc	1.384611864	0.62115525	0.94090386	0.422102
A_66_P1065	37.2	Detected	39.2	Detected	32.5	Detected	51.5	Detected	Pot1a	1.384408602	0.87365591	1.31377551	0.8290816
A_55_P2084	1771.1	Detected	1448.4	Detected	2121.4	Detected	2451.9	Detected	AW146154	1.38439388	1.19778669	1.69283347	1.4646506
A_52_P9381	129.6	Detected	217	Detected	117.4	Detected	179.4	Detected	Nacc1	1.384259259	0.9058642	0.82672811	0.5410138
A_55_P2166	9453.9	Detected	9510	Detected	11594.1	Detected	13086.3	Detected	Timm10b	1.384222384	1.22638276	1.37605678	1.2191483
A_55_P1970	18320.5	Detected	18832.9	Detected	19367.4	Detected	25359.3	Detected	Scp2	1.384203488	1.05714364	1.34654249	1.0283812
A_52_P1191	21229.2	Detected	22970.3	Detected	32271.8	Detected	29385.2	Detected	Tmem258	1.384187817	1.52016091	1.27926932	1.4049359
A_55_P2321	16.4	Detected	17.7	Detected	13.8	Not Detect	22.7	Not Detect	C130030J05	1.384146341	0.84146341	1.28248588	0.779661
A_55_P1982	5720.4	Detected	6607	Detected	7873.1	Detected	7917.3	Detected	Kdm3a	1.38404657	1.37631984	1.19831996	1.1916301
A_51_P4191	12.5	Not Detect	148.7	Detected	18.1	Detected	17.3	Not Detect	Rab15	1.384	1.448	0.11634163	0.1217216
A_51_P4752	1093.1	Detected	948.2	Detected	900.6	Detected	1512.8	Detected	Zfp110	1.383953893	0.82389534	1.595444	0.9497996
A_66_P1289	654.8	Detected	431.3	Detected	980.9	Detected	906.2	Detected	Hacl1	1.383934026	1.49801466	2.10108973	2.274287
A_55_P1981	1895.5	Detected	1881.2	Detected	2569.7	Detected	2623.2	Detected	Ccdc101	1.383909259	1.35568452	1.39442909	1.3659898
A_66_P1002	53.4	Detected	117.9	Detected	95.2	Detected	73.9	Detected	Hcn3	1.383895131	1.78277154	0.62680237	0.807464
A_66_P1332	59.2	Detected	46.2	Detected	48.9	Detected	81.9	Detected	Ppip5k1	1.383445946	0.82601351	1.77272727	1.0584416
A_55_P2045	19.3	Detected	18.2	Detected	16.2	Detected	26.7	Not Detect	Olfir279	1.383419689	0.83937824	1.46703297	0.8901099
A_51_P1225	4142.9	Detected	3801.2	Detected	2971.7	Detected	5730.6	Detected	Daglb	1.383233967	0.71729948	1.50757655	0.7817794
A_51_P1594	24854	Detected	30815.5	Detected	37897.2	Detected	34377.7	Detected	Gcat	1.383185805	1.52479279	1.11559767	1.2298097
A_51_P2953	22071	Detected	20509	Detected	22036.7	Detected	30525.9	Detected	Gabarap	1.383077341	0.99844592	1.48841484	1.0744892
A_55_P2095	5115.8	Detected	7859.1	Detected	6941.9	Detected	7075	Detected	Mat2a	1.382970405	1.35695297	0.90023031	0.8832945
A_51_P4647	16385	Detected	19490.8	Detected	14797.7	Detected	22658.1	Detected	Slc2a1	1.382856271	0.90312481	1.16250231	0.7592146
A_52_P4914	38.4	Detected	49.6	Detected	43.1	Detected	53.1	Detected	Rps15a	1.3828125	1.12239583	1.07056452	0.8689516
A_55_P2162	33.7	Detected	26.8	Detected	44.9	Detected	46.6	Detected	Asic3	1.382789318	1.33234421	1.73880597	1.6753731
A_66_P1135	2580.1	Detected	2664	Detected	2011.5	Detected	3567.5	Detected	Fgd4	1.382698345	0.77962094	1.33915165	0.7550676
A_66_P1236	170.9	Detected	160.5	Detected	154.3	Detected	236.3	Detected	Csf2rb	1.38267993	0.90286717	1.47227414	0.9613707

A_52_P5302	7009.7	Detected	6854	Detected	8578.9	Detected	9690.2	Detected	Nsa2	1.382398676	1.22386122	1.41380216	1.2516633
A_51_P4386	35482.2	Detected	41211.8	Detected	48328.1	Detected	49047.4	Detected	Vti1b	1.382310003	1.36203787	1.19013001	1.1726763
A_55_P1964	1939.5	Detected	1802.9	Detected	1716	Detected	2680.8	Detected	Lcn12	1.38221191	0.88476411	1.48693771	0.9517999
A_55_P2007	14118.4	Detected	13630.7	Detected	19686.6	Detected	19514.2	Detected	Fam189b	1.382182117	1.39439313	1.43163594	1.4442839
A_55_P2016	26158	Detected	16944.7	Detected	33829.6	Detected	36152.5	Detected	Me1	1.382081963	1.2932793	2.13355799	1.9964709
A_55_P2127	17.8	Detected	76.5	Detected	43.2	Detected	24.6	Not Detect	Dok7	1.382022472	2.42696629	0.32156863	0.5647059
A_55_P1991	323.1	Detected	383.6	Detected	349.5	Detected	446.5	Detected	Nwd1	1.381925101	1.08170845	1.16397289	0.9111053
A_51_P4954	11	Not Detect	22.8	Detected	16.2	Not Detect	15.2	Not Detect	Gad2	1.381818182	1.47272727	0.66666667	0.7105263
A_51_P1245	56347.5	Detected	42101.1	Detected	44713.7	Detected	77858.7	Detected	Mpp1	1.381759617	0.79353476	1.84932698	1.0620554
A_55_P1973	136	Detected	160.4	Detected	202.6	Detected	187.9	Detected	Bbs10	1.381617647	1.48970588	1.17144638	1.2630923
A_52_P6717	560.1	Detected	437.4	Detected	626.8	Detected	773.8	Detected	Plscr4	1.381539011	1.11908588	1.76909008	1.4330133
A_51_P3349	1092.5	Detected	1572.2	Detected	17958.3	Detected	1509.3	Detected	Apoc2	1.381510297	16.4378032	0.95999237	11.422402
A_55_P2091	407.4	Detected	3224.5	Detected	1175	Detected	562.8	Detected	BC051142	1.381443299	2.88414335	0.17453869	0.3643976
A_51_P5139	2849.6	Detected	2948.8	Detected	2787.8	Detected	3936.4	Detected	Lrpap1	1.381386861	0.97831275	1.3349159	0.9454015
A_55_P2073	2824.5	Detected	2681.6	Detected	4352.4	Detected	3901.6	Detected	Bfar	1.38134183	1.5409453	1.45495227	1.6230609
A_55_P2009	144	Detected	378.3	Detected	173.4	Detected	198.9	Detected	Creb3l1	1.38125	1.20416667	0.5257732	0.4583664
A_55_P2098	57441.2	Detected	60513	Detected	78509.5	Detected	79331.5	Detected	Uqcrq	1.381090576	1.36678029	1.31098276	1.2973989
A_55_P2067	4747.8	Detected	4821.9	Detected	4602.5	Detected	6557.1	Detected	Scfd2	1.381081764	0.96939635	1.35985815	0.9544993
A_51_P2471	6.3	Not Detect	3.1	Not Detect	23.9	Detected	8.7	Not Detect	Wdr96	1.380952381	3.79365079	2.80645161	7.7096774
A_51_P2953	10.5	Not Detect	18	Detected	13	Not Detect	14.5	Not Detect	Ankrd2	1.380952381	1.23809524	0.80555556	0.7222222
A_55_P2048	17008.7	Detected	12655	Detected	15123.2	Detected	23487.9	Detected	Larp4b	1.380934463	0.88914497	1.85601738	1.1950375
A_55_P2136	19014.6	Detected	20194.8	Detected	23315.6	Detected	26257.1	Detected	Uqcr10	1.380891525	1.22619461	1.30019114	1.1545348
A_51_P1214	6776.9	Detected	8761.2	Detected	8903.4	Detected	9358.1	Detected	Tab1	1.380882114	1.31378654	1.06812994	1.0162307
A_51_P4135	16153.6	Detected	14725.1	Detected	20877.9	Detected	22306.2	Detected	Txndc11	1.380881042	1.29246112	1.514842	1.4178444
A_66_P1283	9127.5	Detected	9746.9	Detected	11444	Detected	12603.9	Detected	Mtmr2	1.380870994	1.25379348	1.29311884	1.1741169
A_51_P2057	12641.5	Detected	10889	Detected	14784.4	Detected	17454.9	Detected	Ube3b	1.380761777	1.16951311	1.60298466	1.3577372
A_51_P2026	963.9	Detected	1067.3	Detected	1326.3	Detected	1330.9	Detected	Mterfd3	1.380744891	1.37597261	1.24697836	1.2426684
A_55_P1959	8973.1	Detected	5954	Detected	11667.2	Detected	12388	Detected	Rbm47	1.380570817	1.30024183	2.08061807	1.9595566
A_55_P1999	11782	Detected	10893.9	Detected	14360.4	Detected	16263.7	Detected	Tma7	1.380385334	1.2188423	1.49291806	1.3182056
A_55_P2336	16.3	Detected	23.7	Detected	30.6	Detected	22.5	Not Detect	6330564D18Rik	1.380368098	1.87730061	0.94936709	1.2911392
A_51_P5200	26957.7	Detected	31833.6	Detected	27002.9	Detected	37211.1	Detected	Lypla2	1.380351439	1.0016767	1.16892529	0.8482515
A_51_P3444	31.3	Detected	15.6	Not Detect	43.3	Detected	43.2	Not Detect	Prrt2	1.380191693	1.38338658	2.76923077	2.775641
A_66_P1125	1077.4	Detected	1401.8	Detected	1331.2	Detected	1487	Detected	Yeats4	1.380174494	1.23556711	1.060779	0.9496362
A_55_P2279	96.8	Detected	169	Detected	53.3	Detected	133.6	Detected	5930430L01Rik	1.380165289	0.55061983	0.79053254	0.3153846
A_55_P2023	5966.9	Detected	6274.4	Detected	6009.8	Detected	8233.8	Detected	Ift43	1.379912517	1.00718966	1.31228484	0.9578286
A_55_P2162	420.9	Detected	400.5	Detected	413.1	Detected	580.8	Detected	Zfp780b	1.379900214	0.98146828	1.45018727	1.0314607
A_52_P6525	18476.1	Detected	24158.4	Detected	24770	Detected	25493.9	Detected	Lman1	1.379831241	1.34065089	1.05528098	1.0253162
A_55_P1978	2277.7	Detected	2322.7	Detected	3356	Detected	3142.7	Detected	Wasf1	1.379769065	1.47341617	1.35303741	1.4448702
A_52_P6841	120.6	Detected	108	Detected	114.1	Detected	166.4	Detected	4933432I09Rik	1.379767828	0.94610282	1.54074074	1.0564815
A_51_P3856	30214.7	Detected	37878.3	Detected	44103.8	Detected	41687.9	Detected	Mrpl53	1.379722453	1.45968022	1.10057474	1.1643553

A_52_P4970	98.5	Detected	118.4	Detected	110.9	Detected	135.9	Detected	Supt20	1.379695431	1.12588832	1.14780405	0.9366554
A_52_P1093	2793.4	Detected	3039.8	Detected	3162.8	Detected	3854	Detected	Tbl2	1.379680676	1.13224028	1.26784657	1.0404632
A_55_P2172	128.8	Detected	145	Detected	160.7	Detected	177.7	Detected	Mettl6	1.379658385	1.24767081	1.22551724	1.1082759
A_55_P2076	41422.8	Detected	31514.9	Detected	55803.6	Detected	57137.3	Detected	Acaa1a	1.379368367	1.34717112	1.81302495	1.7707053
A_51_P2555	792.3	Detected	933.6	Detected	777.2	Detected	1092.8	Detected	Smarcad1	1.379275527	0.98094156	1.17052271	0.8324764
A_51_P4117	25931.7	Detected	49937.9	Detected	26556.9	Detected	35765.1	Detected	Nip7	1.379203832	1.02410949	0.71619151	0.5317985
A_52_P2385	80.2	Detected	79.9	Detected	71.7	Detected	110.6	Detected	Sprn	1.379052369	0.89401496	1.38423029	0.8973717
A_55_P2219	381.6	Detected	422.9	Detected	477.5	Detected	526.2	Detected	Tmf1	1.378930818	1.25131027	1.24426578	1.1291085
A_55_P2279	832.5	Detected	918.2	Detected	743.5	Detected	1147.9	Detected	2900076A07Rik	1.378858859	0.89309309	1.25016336	0.8097364
A_55_P2145	90.3	Detected	89.3	Detected	108.5	Detected	124.5	Detected	Pcf11	1.378737542	1.20155039	1.39417693	1.2150056
A_55_P2071	445.2	Detected	602.3	Detected	599.3	Detected	613.8	Detected	Pick1	1.378706199	1.34613657	1.01909348	0.9950191
A_55_P2159	8759.7	Detected	9706.5	Detected	8497.6	Detected	12077	Detected	Ing1	1.378700184	0.97007888	1.24421779	0.8754546
A_55_P2099	183191.4	Detected	284783.7	Detected	240017.1	Detected	252559.9	Detected	H2afz	1.378666793	1.31019851	0.88684816	0.8428049
A_55_P2021	145.8	Detected	153	Detected	165.1	Detected	201	Detected	Gm13931	1.378600823	1.13237311	1.31372549	1.079085
A_51_P4832	5667.1	Detected	8959.8	Detected	4924.3	Detected	7812.1	Detected	Prnp	1.378500468	0.86892767	0.87190562	0.5495993
A_52_P3803	161.2	Detected	252.7	Detected	233.4	Detected	222.2	Detected	Phf11d	1.378411911	1.44789082	0.87930352	0.9236249
A_55_P1992	22233.7	Detected	9064.4	Detected	10447.8	Detected	30645.2	Detected	2210407C18Rik	1.378322097	0.46990829	3.3808305	1.152619
A_55_P2018	1939.7	Detected	1841.5	Detected	2604.4	Detected	2673.4	Detected	Pgap3	1.378254369	1.34268186	1.45175129	1.4142818
A_55_P2355	368.4	Detected	348.3	Detected	319.8	Detected	507.7	Detected	A130019P10Rik	1.378121607	0.86807818	1.45765145	0.918174
A_51_P3433	4148.5	Detected	5118.4	Detected	4453.6	Detected	5716.6	Detected	Cmas	1.377992045	1.07354465	1.11687246	0.8701157
A_55_P2043	2871.6	Detected	2426.4	Detected	2940.1	Detected	3956.6	Detected	Akr1e1	1.377838139	1.0238543	1.63064622	1.2117128
A_55_P2001	2153.4	Detected	2236.9	Detected	2346.9	Detected	2966.9	Detected	Rnf180	1.377774682	1.0898579	1.32634449	1.0491752
A_55_P2037	3229.8	Detected	3470.5	Detected	4010.3	Detected	4449.9	Detected	AA684185	1.377763329	1.24165583	1.28220717	1.1555395
A_55_P2052	31449.7	Detected	35463.5	Detected	52318.3	Detected	43329.1	Detected	Eif1ad	1.377726974	1.66355482	1.22179424	1.4752718
A_55_P2060	4078.6	Detected	4213.1	Detected	5088.7	Detected	5618.8	Detected	Clk2	1.377629579	1.24765851	1.33364981	1.207828
A_52_P1526	1998.6	Detected	2914.2	Detected	2105.9	Detected	2753.2	Detected	Tmem17	1.377564295	1.05368758	0.94475328	0.722634
A_55_P2007	559.4	Detected	577.7	Detected	475	Detected	770.6	Detected	Prkaca	1.377547372	0.84912406	1.33391033	0.8222261
A_51_P3330	6041.4	Detected	7664.1	Detected	7515.6	Detected	8321.9	Detected	Anapc16	1.37747873	1.24401629	1.08582873	0.9806239
A_55_P2003	415.5	Detected	417.6	Detected	433.2	Detected	572.3	Detected	P4ha3	1.377376655	1.04259928	1.37045019	1.0373563
A_55_P2069	48.8	Detected	44.8	Detected	54.2	Detected	67.2	Detected	Zfp82	1.37704918	1.11065574	1.5	1.2098214
A_52_P5627	644.3	Detected	1420.4	Detected	577	Detected	887.2	Detected	Ccdc66	1.376998293	0.89554555	0.62461279	0.4062236
A_52_P2003	46825.8	Detected	54946.3	Detected	60833.6	Detected	64473	Detected	Aco2	1.376869162	1.29914705	1.17338201	1.1071464
A_66_P1147	116.5	Detected	157.1	Detected	112.5	Detected	160.4	Detected	Kcna7	1.376824034	0.96566524	1.02100573	0.7161044
A_55_P1999	1655.6	Detected	1520.5	Detected	1856.9	Detected	2279.3	Detected	Tchp	1.37672143	1.12158734	1.49904637	1.221243
A_52_P8169	36.9	Detected	41.3	Detected	32.7	Detected	50.8	Detected	LOC100502592	1.376693767	0.88617886	1.23002421	0.7917676
A_55_P2091	1387	Detected	1369.1	Detected	1547.3	Detected	1909.4	Detected	Gm6209	1.376640231	1.11557318	1.39463881	1.1301585
A_52_P2922	373.6	Detected	386.6	Detected	377.9	Detected	514.3	Detected	Rnf115	1.376605996	1.01150964	1.33031557	0.9774961
A_66_P1019	449.6	Detected	822.4	Detected	131.4	Detected	618.9	Detected	Gm9706	1.37655694	0.29225979	0.7525535	0.1597763
A_55_P1999	194.2	Detected	167.7	Detected	199.3	Detected	267.3	Detected	Zfp760	1.376416066	1.02626159	1.59391771	1.1884317
A_51_P4593	44068.9	Detected	29026.6	Detected	61137.6	Detected	60656.2	Detected	Dstn	1.376394691	1.38731849	2.08967637	2.1062612

A_55_P2081	72 Detected	116.6 Detected	76 Detected	99.1 Detected	Gnas	1.376388889	1.05555556	0.84991424	0.651801
A_52_P3079	746.6 Detected	616.1 Detected	693.8 Detected	1027.6 Detected	Abca5	1.37637289	0.9292794	1.66791105	1.1261159
A_55_P2103	817.3 Detected	864.7 Detected	941.7 Detected	1124.9 Detected	Hic2	1.376361189	1.15220849	1.30091361	1.0890482
A_52_P3049	22.6 Detected	19.5 Detected	18.9 Detected	31.1 Not Detect	Olfr153	1.376106195	0.83628319	1.59487179	0.9692308
A_55_P2098	32037.3 Detected	28004.9 Detected	32801.8 Detected	44085.7 Detected	Trim25	1.376074139	1.02386281	1.5742138	1.1712879
A_52_P3599	5327.2 Detected	4183.4 Detected	6018.9 Detected	7330.4 Detected	Cpd	1.376032437	1.12984307	1.75225893	1.4387579
A_55_P2045	6783.2 Detected	7143 Detected	13083.5 Detected	9333.3 Detected	Tmem242	1.375943507	1.92880941	1.30663587	1.8316534
A_51_P3513	2087.8 Detected	3326.2 Detected	2503.4 Detected	2872.6 Detected	Vps45	1.375898075	1.19906121	0.86362816	0.7526306
A_52_P4929	10712.2 Detected	8802.2 Detected	9764.6 Detected	14738.3 Detected	Stx4a	1.375842497	0.91154011	1.67438822	1.1093363
A_52_P5947	89579.7 Detected	97912.8 Detected	90580.4 Detected	123245.8 Detected	Aprt	1.375822871	1.01117106	1.25873022	0.925113
A_55_P1989	6332.4 Detected	6689.8 Detected	7527.1 Detected	8709.4 Detected	Nfkbib	1.375371107	1.18866465	1.30189243	1.1251607
A_66_P1250	189.7 Detected	165.2 Detected	155.7 Detected	260.9 Detected	Gm9648	1.375329468	0.82076964	1.57929782	0.9424939
A_55_P1981	195.3 Detected	230.3 Detected	326.2 Detected	268.6 Detected	Pex26	1.37532002	1.6702509	1.16630482	1.4164134
A_52_P3428	3260.8 Detected	3858 Detected	4818.6 Detected	4484.5 Detected	Mrps33	1.375276006	1.47773553	1.16238984	1.2489891
A_51_P1937	3600.7 Detected	4835.8 Detected	5286.2 Detected	4951.6 Detected	Supv3l1	1.375177049	1.46810342	1.0239464	1.0931387
A_55_P2131	332.4 Detected	436.2 Detected	492.5 Detected	457.1 Detected	Rmnd5a	1.375150421	1.48164862	1.0479138	1.1290692
A_51_P3659	1784.8 Detected	1675.2 Detected	2525.6 Detected	2454.2 Detected	Ankzf1	1.375056029	1.41506051	1.4650191	1.5076409
A_66_P1062	142.4 Detected	170.8 Detected	151.1 Detected	195.8 Detected	Nccrp1	1.375	1.06109551	1.14637002	0.8846604
A_55_P2013	17.6 Detected	16.8 Detected	10.9 Not Detect	24.2 Not Detect	LOC101056654	1.375	0.61931818	1.44047619	0.6488095
A_66_P1130	9968 Detected	15280.2 Detected	9698.7 Detected	13703.9 Detected	Itgb1	1.374789326	0.97298355	0.89684036	0.6347234
A_66_P1300	147.3 Detected	190.3 Detected	153.8 Detected	202.5 Detected	Zbtb44	1.374745418	1.04412763	1.0641093	0.8081976
A_55_P2137	4619.9 Detected	6000.6 Detected	3255.3 Detected	6350.9 Detected	Kctd11	1.374683435	0.70462564	1.0583775	0.5424958
A_51_P5099	135.6 Detected	148.2 Detected	128.9 Detected	186.4 Detected	Slc5a10	1.374631268	0.95058997	1.25775978	0.8697706
A_55_P2183	22.7 Detected	21.5 Detected	27.2 Detected	31.2 Not Detect	Atg9b	1.374449339	1.19823789	1.45116279	1.2651163
A_55_P2249	369.5 Detected	334.5 Detected	338.8 Detected	507.8 Detected	E130304I02Rik	1.374289581	0.91691475	1.5180867	1.012855
A_55_P1998	443.6 Detected	481.2 Detected	509.5 Detected	609.6 Detected	Ncdn	1.374211001	1.14855726	1.26683292	1.0588113
A_52_P6483	20043.8 Detected	23659.8 Detected	24241 Detected	27544.2 Detected	Pigs	1.374200501	1.20940141	1.16417721	1.0245649
A_51_P3045	4593.1 Detected	3935.3 Detected	5152.7 Detected	6311.4 Detected	BC017158	1.374104635	1.12183493	1.60379132	1.3093538
A_51_P3491	68.2 Detected	57 Detected	107 Detected	93.7 Detected	Ctnnd1	1.373900293	1.56891496	1.64385965	1.877193
A_55_P1963	5569.7 Detected	6757.1 Detected	5745.5 Detected	7651.8 Detected	Abcb10	1.373826238	1.03156364	1.13240887	0.8502908
A_55_P2044	2721.8 Detected	6080 Detected	2265.2 Detected	3739.2 Detected	Loxl4	1.373796752	0.83224337	0.615	0.3725658
A_55_P2090	20.6 Detected	90.8 Detected	3.5 Not Detect	28.3 Not Detect	Mab21l3	1.373786408	0.16990291	0.31167401	0.0385463
A_55_P2017	1463.2 Detected	1570.2 Detected	1531.2 Detected	2009.9 Detected	Cdc14a	1.373633133	1.04647348	1.28002802	0.9751624
A_55_P1963	4705.9 Detected	6804.4 Detected	5292.8 Detected	6463.9 Detected	Chchd7	1.373573599	1.12471578	0.94995885	0.7778496
A_55_P2074	1761.9 Detected	2162.1 Detected	1774.1 Detected	2419.8 Detected	Ngf	1.373403712	1.00692434	1.11918968	0.8205448
A_55_P2023	158.1 Detected	127.5 Detected	132.2 Detected	217.1 Detected	Prss28	1.373181531	0.83617963	1.7027451	1.0368627
A_51_P1181	2938.1 Detected	4241.3 Detected	3083 Detected	4034.1 Detected	Skil	1.37303019	1.04931759	0.95114705	0.7268998
A_52_P5331	1464.2 Detected	1357.9 Detected	1596.4 Detected	2010.3 Detected	Ddit3	1.372968174	1.09028821	1.48044775	1.1756389
A_55_P2035	90397.7 Detected	112346.1 Detected	137288.3 Detected	124107 Detected	Prkcsb	1.372899974	1.51871452	1.10468454	1.2220122
A_66_P1160	82.6 Detected	98.5 Detected	106.1 Detected	113.4 Detected	Ints9	1.372881356	1.28450363	1.15126904	1.0771574

A_55_P2056	1972.5	Detected	1940	Detected	2904.9	Detected	2707.8	Detected	Pdlim5	1.372775665	1.47269962	1.3957732	1.4973711
A_55_P2096	87.2	Detected	85	Detected	97.5	Detected	119.7	Detected	Ank2	1.372706422	1.11811927	1.40823529	1.1470588
A_55_P2188	10539.9	Detected	14017.4	Detected	12030.2	Detected	14467.6	Detected	Uhrf1bp1l	1.372650594	1.14139603	1.03211723	0.8582333
A_55_P2079	10.2	Not Detect	21	Detected	18.9	Detected	14	Not Detect	Ccdc78	1.37254902	1.85294118	0.66666667	0.9
A_55_P2003	195.7	Detected	186.2	Detected	202.5	Detected	268.6	Detected	Arl9	1.372508942	1.03474706	1.44253491	1.0875403
A_51_P4135	29.8	Detected	40.6	Detected	34.7	Detected	40.9	Not Detect	2010109A12Rik	1.372483221	1.16442953	1.00738916	0.8546798
A_55_P2046	101.5	Detected	88.1	Detected	110.9	Detected	139.3	Detected	Mapkap1	1.372413793	1.09261084	1.58115778	1.2587968
A_51_P2351	912	Detected	870.2	Detected	1682.1	Detected	1251.6	Detected	Nfkbie	1.372368421	1.84440789	1.43829005	1.9330039
A_55_P2075	3621	Detected	3265.9	Detected	4472.5	Detected	4968.9	Detected	Sirt3	1.372245236	1.23515603	1.52144891	1.3694541
A_55_P2103	2926.9	Detected	2687.1	Detected	4155.9	Detected	4016.3	Detected	Twf2	1.372202672	1.41989819	1.49465967	1.5466116
A_55_P2180	5273.9	Detected	5993.7	Detected	5948	Detected	7236.7	Detected	Mrpl10	1.372172396	1.12781812	1.20738442	0.9923753
A_52_P8872	176	Detected	152.1	Detected	190.9	Detected	241.5	Detected	Senp7	1.372159091	1.08465909	1.5877712	1.2550953
A_65_P0254	2885	Detected	2487.2	Detected	2648	Detected	3958.6	Detected	Srp72	1.372131716	0.91785095	1.59158894	1.064651
A_52_P4036	7984.3	Detected	10296.1	Detected	10740.8	Detected	10955	Detected	Mrpl42	1.372067683	1.34524003	1.0639951	1.0431911
A_55_P2048	421.7	Detected	1082	Detected	75.1	Detected	578.6	Detected	Kif5c	1.372065449	0.17808869	0.53475046	0.0694085
A_55_P2431	3486.2	Detected	2368.6	Detected	3357.8	Detected	4782.9	Detected	Its1	1.371952269	0.96316907	2.0192941	1.4176307
A_52_P5626	19.9	Detected	36.3	Detected	23	Detected	27.3	Not Detect	Sult4a1	1.371859296	1.15577889	0.75206612	0.6336088
A_55_P2146	9186.7	Detected	6406.7	Detected	8595.2	Detected	12602.8	Detected	Cerk	1.371852787	0.93561344	1.96712816	1.3415955
A_55_P1971	4424.4	Detected	4210.2	Detected	3339.6	Detected	6069.3	Detected	Eya3	1.371779224	0.75481421	1.44157047	0.7932165
A_55_P2033	776	Detected	1001.9	Detected	767.9	Detected	1064.4	Detected	Tsga8	1.371649485	0.98956186	1.06238148	0.7664438
A_55_P2002	379.5	Detected	383.5	Detected	448.4	Detected	520.5	Detected	Aifm2	1.371541502	1.18155468	1.35723598	1.1692308
A_55_P2027	3281.7	Detected	3485.1	Detected	4554.3	Detected	4500.8	Detected	Irak1bp1	1.371484292	1.38778682	1.2914407	1.3067918
A_55_P2166	67318	Detected	77661.7	Detected	84474	Detected	92323.4	Detected	Uqcr10	1.371451915	1.25485011	1.18878933	1.0877176
A_51_P4317	534.5	Detected	905.9	Detected	541.7	Detected	733	Detected	Cth	1.371375117	1.01347053	0.80914008	0.5979689
A_55_P1987	282.2	Detected	301.1	Detected	327.7	Detected	387	Detected	Epb4.1l2	1.371367824	1.16123317	1.28528728	1.0883427
A_52_P1684	1454.4	Detected	1287.9	Detected	1829.9	Detected	1994.5	Detected	Mapk11	1.371355886	1.25818207	1.54864508	1.4208401
A_55_P2148	75.4	Detected	47.8	Detected	59.4	Detected	103.4	Detected	Slc4a3	1.371352785	0.78779841	2.16317992	1.2426778
A_66_P1116	3393.3	Detected	3625.6	Detected	4129.5	Detected	4653	Detected	Nprl3	1.371231545	1.21695694	1.28337379	1.1389839
A_55_P2050	38.8	Detected	42.6	Detected	29.5	Detected	53.2	Detected	Scml2	1.371134021	0.76030928	1.24882629	0.6924883
A_51_P3777	567.8	Detected	325.1	Detected	448.7	Detected	778.5	Detected	Rnasel	1.371081367	0.79024304	2.3946478	1.3801907
A_51_P3535	10305.7	Detected	9676.9	Detected	13649.5	Detected	14129.7	Detected	Commd4	1.371056794	1.32446122	1.46014736	1.410524
A_55_P2118	132670.9	Detected	157349	Detected	146683.4	Detected	181897.1	Detected	Atp5j2	1.371039919	1.10561849	1.15601052	0.9322169
A_52_P4259	64.7	Detected	59.8	Detected	62.5	Detected	88.7	Detected	1700067K01Rik	1.370942813	0.96599691	1.48327759	1.0451505
A_55_P2033	79	Detected	85.8	Detected	69.9	Detected	108.3	Detected	A230051N06Rik	1.370886076	0.88481013	1.26223776	0.8146853
A_55_P1989	6524.7	Detected	5350.4	Detected	9178.7	Detected	8944.4	Detected	Eml2	1.3708523	1.406762	1.67172548	1.7155166
A_52_P5213	3211.5	Detected	5028.9	Detected	4040.6	Detected	4402.2	Detected	Chd1l	1.370761326	1.25816597	0.8753803	0.8034759
A_55_P2021	880.8	Detected	827.8	Detected	844.5	Detected	1207.3	Detected	Clic4	1.37068574	0.95878747	1.45844407	1.020174
A_52_P3838	6777.5	Detected	5913	Detected	7487	Detected	9289.8	Detected	Cmc1	1.370682405	1.10468462	1.57108067	1.2661931
A_55_P2095	5170.7	Detected	5155.6	Detected	5889.9	Detected	7087.2	Detected	Syncrip	1.370646141	1.13909142	1.37466056	1.1424277
A_52_P8423	100.1	Detected	81.1	Detected	158.8	Detected	137.2	Detected	Map4k2	1.370629371	1.58641359	1.69173859	1.9580764

A_55_P2146	273.9	Detected	276	Detected	286.7	Detected	375.4	Detected	Lmx1b	1.370573202	1.04673238	1.36014493	1.0387681
A_66_P1244	35989.2	Detected	31740	Detected	50236.7	Detected	49324.1	Detected	Imp3	1.370525046	1.39588265	1.55400441	1.5827568
A_52_P6539	61.3	Detected	72.6	Detected	49.9	Detected	84	Detected	Thap2	1.370309951	0.81402936	1.15702479	0.6873278
A_51_P3200	6238.7	Detected	5999.6	Detected	8413.9	Detected	8548.8	Detected	Gclm	1.370285476	1.34866238	1.42489499	1.4024102
A_51_P4222	23081.9	Detected	24767.7	Detected	26765.3	Detected	31627	Detected	Dpagt1	1.370207825	1.15957958	1.27694538	1.0806534
A_55_P2131	2898.4	Detected	2258.9	Detected	2067.8	Detected	3971	Detected	Helq	1.370066243	0.7134281	1.75793528	0.9154013
A_55_P2075	1778	Detected	2426.4	Detected	1875.1	Detected	2435.9	Detected	Tti2	1.370022497	1.05461192	1.00391527	0.772791
A_55_P1976	316.1	Detected	318.5	Detected	327	Detected	433	Detected	Tmod4	1.369819677	1.03448276	1.35949765	1.0266876
A_51_P4667	757.8	Detected	1031.7	Detected	727.6	Detected	1038	Detected	Mau2	1.369754553	0.9601478	1.00610643	0.7052438
A_55_P1984	4391.3	Detected	4822.1	Detected	3843.2	Detected	6014.2	Detected	Efcab14	1.369571653	0.87518502	1.24721594	0.7969972
A_55_P2032	294.3	Detected	289.3	Detected	274.6	Detected	403	Detected	Trim7	1.369351002	0.9330615	1.39301763	0.9491877
A_52_P2880	12564.3	Detected	12099.9	Detected	16050.9	Detected	17198.9	Detected	Foxm1	1.36887053	1.27750054	1.42140844	1.3265316
A_55_P2089	50.7	Detected	52.1	Detected	56.5	Detected	69.4	Detected	Atf7	1.368836292	1.11439842	1.33205374	1.084453
A_52_P3564	28.5	Detected	29.9	Detected	31.3	Detected	39	Not Detect	Tmem95	1.368421053	1.09824561	1.30434783	1.0468227
A_55_P2276	77.9	Detected	72.3	Detected	73.4	Detected	106.6	Detected	1700064N11Rik	1.368421053	0.94223363	1.47441217	1.0152144
A_55_P2176	1108	Detected	1008.7	Detected	886.6	Detected	1516.1	Detected	St6galnac4	1.3683213	0.80018051	1.50302369	0.8789531
A_52_P5004	24937.5	Detected	27355.1	Detected	36206.1	Detected	34105.4	Detected	Lars	1.367635088	1.45187368	1.24676569	1.3235594
A_51_P2762	791.3	Detected	981.6	Detected	1171.5	Detected	1082.2	Detected	Pnpla7	1.367622899	1.48047517	1.10248574	1.1934597
A_55_P2054	567	Detected	690	Detected	708.8	Detected	775.4	Detected	Cox4i2	1.367548501	1.25008818	1.12376812	1.0272464
A_55_P1969	5970.8	Detected	6265.8	Detected	8706.5	Detected	8165	Detected	Sdcbp	1.367488444	1.45817981	1.30310575	1.3895273
A_55_P2167	505.2	Detected	552.3	Detected	461.3	Detected	690.8	Detected	Cort	1.367379256	0.91310372	1.25076951	0.8352345
A_55_P2153	1731.5	Detected	1800.8	Detected	1860.4	Detected	2367.5	Detected	Zkscan3	1.36731158	1.07444412	1.31469347	1.0330964
A_55_P2058	6947.4	Detected	5923.6	Detected	7785.7	Detected	9499	Detected	Mvk	1.367274088	1.12066385	1.60358566	1.3143528
A_52_P6716	3626.4	Detected	6673.6	Detected	3420.6	Detected	4957.9	Detected	Mak16	1.367168542	0.9432495	0.74291237	0.5125569
A_51_P4746	7.9	Not Detect	60	Detected	7.2	Not Detect	10.8	Not Detect	Esr1	1.367088608	0.91139241	0.18	0.12
A_55_P2133	18.8	Detected	13.4	Not Detect	21.2	Detected	25.7	Not Detect	1110017D15Rik	1.367021277	1.12765957	1.91791045	1.5820896
A_55_P1967	84327.1	Detected	123743.9	Detected	111321.7	Detected	115272.6	Detected	Gm5069	1.366969812	1.32011773	0.93154168	0.8996136
A_66_P1134	55082.7	Detected	48064	Detected	75908.8	Detected	75295.9	Detected	Pacsin2	1.366960951	1.37808786	1.56657582	1.5793276
A_51_P2576	293.9	Detected	196.8	Detected	220.5	Detected	401.7	Detected	Tspy14	1.366791426	0.75025519	2.04115854	1.1204268
A_52_P6104	1183.1	Detected	1477.7	Detected	1425.6	Detected	1616.9	Detected	Sf1	1.366663849	1.20496999	1.09420045	0.9647425
A_51_P1943	5375.7	Detected	3919.3	Detected	7482.4	Detected	7346.1	Detected	Lrrc1	1.366538311	1.39189315	1.87433981	1.9091164
A_52_P6602	17149.2	Detected	21446.5	Detected	25605.5	Detected	23435	Detected	Isy1	1.366536048	1.49310172	1.09271909	1.1939244
A_51_P1137	970.9	Detected	911.2	Detected	1272.5	Detected	1326.7	Detected	Slx1b	1.366464105	1.31063961	1.4559921	1.3965101
A_66_P1269	102540.2	Detected	110090.7	Detected	106321.8	Detected	140116	Detected	Fis1	1.366449451	1.03687919	1.27273239	0.9657655
A_66_P1183	450	Detected	495.2	Detected	454.7	Detected	614.9	Detected	Gm216	1.366444444	1.01044444	1.24172052	0.9182149
A_52_P2632	1191	Detected	1059.3	Detected	1554.4	Detected	1627.4	Detected	3110040N11Rik	1.366414777	1.30512175	1.53629755	1.4673841
A_51_P1032	117.1	Detected	51.9	Detected	21.1	Detected	160	Detected	Flrt2	1.366353544	0.18018787	3.08285164	0.4065511
A_51_P2722	16370.3	Detected	18186.6	Detected	19159.3	Detected	22367.3	Detected	Snf8	1.366334154	1.17036951	1.22987804	1.0534844
A_55_P2141	69640.9	Detected	92559.4	Detected	81010.2	Detected	95148.5	Detected	Ldha	1.366273268	1.16325608	1.02797231	0.8752239
A_51_P3622	3894.9	Detected	3943	Detected	4419.1	Detected	5321.4	Detected	Commd10	1.366248171	1.13458625	1.34958154	1.1207456

A_51_P2081	114.7	Detected	148.2	Detected	120.1	Detected	156.7	Detected	3930402G23Rik	1.366172624	1.04707934	1.05735493	0.8103914
A_52_P2671	394.2	Detected	335.1	Detected	346.7	Detected	538.5	Detected	Ksr2	1.366057839	0.87950279	1.60698299	1.0346165
A_55_P2151	33347.5	Detected	34805	Detected	35362.2	Detected	45553.9	Detected	Micu1	1.366036435	1.06041532	1.30883206	1.0160092
A_55_P2286	309.1	Detected	257.9	Detected	167.4	Detected	422.2	Detected	6720462K09Rik	1.365901003	0.54157231	1.63706863	0.6490888
A_55_P2088	28.7	Detected	43.8	Detected	35.2	Detected	39.2	Not Detect	Cbln2	1.365853659	1.22648084	0.89497717	0.803653
A_55_P2401	29.8	Detected	34.8	Detected	31.8	Detected	40.7	Not Detect	BE949265	1.365771812	1.06711409	1.16954023	0.9137931
A_55_P2182	259.5	Detected	271.7	Detected	320.7	Detected	354.4	Detected	Gm10835	1.365703276	1.23583815	1.30437983	1.180346
A_55_P2159	2159	Detected	1613.9	Detected	1858.7	Detected	2948.5	Detected	Zbtb7a	1.365678555	0.86090783	1.82694095	1.1516823
A_55_P2184	1583.1	Detected	1641.4	Detected	1621.4	Detected	2162	Detected	Gpn2	1.365674942	1.02419304	1.31716827	0.9878153
A_51_P1337	510.9	Detected	501.7	Detected	563.7	Detected	697.7	Detected	Prickle3	1.365629282	1.10334703	1.39067172	1.1235798
A_55_P2135	55.8	Detected	50.4	Detected	52.9	Detected	76.2	Detected	Mcoln3	1.365591398	0.94802867	1.51190476	1.0496032
A_55_P2095	4162.7	Detected	5534.3	Detected	4900.4	Detected	5684.3	Detected	Pdf	1.365531986	1.17721671	1.0271037	0.8854598
A_55_P2087	449.6	Detected	331.2	Detected	353	Detected	613.9	Detected	Mroh1	1.365435943	0.78514235	1.8535628	1.0658213
A_51_P5177	114.4	Detected	108.6	Detected	105.7	Detected	156.2	Detected	Fgf11	1.365384615	0.92395105	1.43830571	0.9732965
A_65_P1215	651.2	Detected	359	Detected	817.3	Detected	889.1	Detected	Rasa2	1.365325553	1.25506757	2.47660167	2.2766017
A_55_P2100	184.5	Detected	143.6	Detected	108.3	Detected	251.9	Detected	6330408A02Rik	1.365311653	0.58699187	1.75417827	0.7541783
A_52_P7514	1349.3	Detected	936.2	Detected	1473	Detected	1842.1	Detected	Lymr2	1.365226414	1.09167717	1.96763512	1.5733818
A_55_P2400	29.3	Detected	25.8	Detected	18.8	Detected	40	Not Detect	D7Ert661e	1.365187713	0.64163823	1.5503876	0.7286822
A_55_P2229	99.7	Detected	64.9	Detected	79	Detected	136.1	Detected	Gm10452	1.365095286	0.79237713	2.09707242	1.2172573
A_52_P3225	296.2	Detected	232.3	Detected	290.3	Detected	404.3	Detected	Mplkip	1.364956111	0.98008103	1.74042187	1.2496771
A_55_P2142	95.1	Detected	126.4	Detected	111.8	Detected	129.8	Detected	K230010J24Rik	1.364879075	1.17560463	1.02689873	0.8844937
A_55_P1994	20382.5	Detected	19686.4	Detected	23417.1	Detected	27819.2	Detected	Golim4	1.364857108	1.14888262	1.41311769	1.1895065
A_52_P4113	30.7	Detected	39.6	Detected	44.6	Detected	41.9	Not Detect	Sptlc3	1.364820847	1.45276873	1.05808081	1.1262626
A_66_P1334	20936.3	Detected	18588.2	Detected	21845.5	Detected	28571.6	Detected	Pdcd6ip	1.364691947	1.04342697	1.53708267	1.1752348
A_55_P1969	43.6	Detected	36.4	Detected	44.4	Detected	59.5	Detected	Asb18	1.364678899	1.01834862	1.63461538	1.2197802
A_55_P2112	698.6	Detected	868.1	Detected	655.9	Detected	953.3	Detected	Dab1	1.364586315	0.93887776	1.09814537	0.7555581
A_66_P1207	9627	Detected	11546.6	Detected	11415.8	Detected	13135.7	Detected	Armc1	1.364464527	1.18581074	1.13762493	0.988672
A_51_P4006	6291.7	Detected	11846.2	Detected	8466.4	Detected	8584.7	Detected	Bcap29	1.3644484	1.34564585	0.72467964	0.7146933
A_52_P8056	1495.9	Detected	1954.2	Detected	1527.2	Detected	2040.9	Detected	Nbas	1.364329166	1.02092386	1.04436598	0.7814963
A_51_P4511	5642.8	Detected	5355.2	Detected	2975.2	Detected	7698.5	Detected	Brca2	1.364304955	0.52725597	1.43757469	0.5555722
A_55_P2247	2301.7	Detected	2782	Detected	2461.5	Detected	3140.1	Detected	4931428A05Rik	1.364252509	1.06942695	1.12872035	0.8847951
A_55_P1993	126.3	Detected	158.5	Detected	126.2	Detected	172.3	Detected	LOC101055939	1.364212193	0.99920823	1.08706625	0.7962145
A_55_P2089	3802.8	Detected	2962.3	Detected	3294.5	Detected	5187.8	Detected	Fam76a	1.364205322	0.86633533	1.75127435	1.1121426
A_55_P1961	67	Detected	66.5	Detected	78.9	Detected	91.4	Detected	A930028N01Rik	1.364179104	1.17761194	1.37443609	1.1864662
A_52_P3039	7773.5	Detected	7960.9	Detected	7321	Detected	10602.5	Detected	Rab2a	1.363928732	0.94178941	1.33182178	0.9196196
A_55_P2100	39.6	Detected	52.6	Detected	39.5	Detected	54	Detected	Gpha2	1.363636364	0.99747475	1.02661597	0.7509506
A_51_P1171	2537.2	Detected	2544.5	Detected	4422.8	Detected	3459.7	Detected	Ilvbl	1.363589784	1.74318146	1.35967774	1.7381804
A_55_P1960	770.5	Detected	737.7	Detected	645.3	Detected	1050.6	Detected	Ppp1r2	1.363530175	0.83750811	1.42415616	0.8747458
A_52_P5520	895.4	Detected	798.3	Detected	783.1	Detected	1220.9	Detected	Adat1	1.363524682	0.87458119	1.52937492	0.9809595
A_55_P1955	58.6	Detected	64.1	Detected	97.4	Detected	79.9	Detected	Aqp7	1.363481229	1.66211604	1.24648986	1.5195008

A_51_P2830	13158.4	Detected	16083	Detected	16064.1	Detected	17941.1	Detected	Armc1	1.363471243	1.22082472	1.11553193	0.9988248
A_55_P2122	4167.2	Detected	5810.6	Detected	5004.4	Detected	5681.2	Detected	Arl1	1.363313496	1.20090228	0.97773035	0.8612536
A_55_P2108	6652.8	Detected	6290.9	Detected	8423	Detected	9069.8	Detected	Gnptab	1.363305676	1.26608345	1.4417333	1.3389181
A_51_P2717	6734.7	Detected	5863.6	Detected	7108	Detected	9181	Detected	Fundc1	1.363238155	1.05542934	1.56576165	1.2122246
A_55_P2122	17573.1	Detected	22895.4	Detected	20972.9	Detected	23956.3	Detected	Arl1	1.363236993	1.19346615	1.04633682	0.9160312
A_55_P2073	254.7	Detected	286	Detected	184.3	Detected	347.2	Detected	LOC101056104	1.36317236	0.72359639	1.21398601	0.6444056
A_52_P8094	153.1	Detected	109.7	Detected	105.3	Detected	208.7	Detected	Zfp36	1.363161332	0.68778576	1.90246126	0.9598906
A_55_P2136	65176.6	Detected	60006.2	Detected	86527.5	Detected	88839.9	Detected	Dazap2	1.363064351	1.32758536	1.48051201	1.441976
A_55_P2183	381.4	Detected	524.6	Detected	768.1	Detected	519.7	Detected	Rab30	1.362611432	2.01389617	0.99065955	1.4641632
A_55_P2049	29.8	Detected	30.6	Detected	35.5	Detected	40.6	Not Detect	Apoa5	1.362416107	1.19127517	1.32679739	1.1601307
A_55_P2107	3323.5	Detected	762.9	Detected	580.6	Detected	4527.5	Detected	Galnt18	1.362268693	0.17469535	5.93459169	0.7610434
A_55_P2059	10335.8	Detected	14616.5	Detected	9738.2	Detected	14079.8	Detected	Smarca5	1.362236111	0.94218154	0.96328122	0.666247
A_66_P1074	17.4	Detected	12.6	Not Detect	17.2	Detected	23.7	Not Detect	A930035D04Rik	1.362068966	0.98850575	1.88095238	1.3650794
A_55_P1961	640.3	Detected	298.3	Detected	1118.4	Detected	872.1	Detected	Npb	1.362017804	1.74668124	2.92356688	3.7492457
A_55_P2123	1187.5	Detected	1132.7	Detected	1770	Detected	1617.2	Detected	Thap6	1.361852632	1.49052632	1.42773903	1.5626379
A_55_P2403	3288.5	Detected	3719.6	Detected	3434.7	Detected	4478.4	Detected	BC037032	1.361836704	1.04445796	1.20400043	0.9234057
A_55_P1965	69.4	Detected	78.1	Detected	72.8	Detected	94.5	Detected	Zfp939	1.361671147	1.04899135	1.2099872	0.9321383
A_55_P2039	137.7	Detected	168.4	Detected	158.2	Detected	187.5	Detected	S100a2	1.361655773	1.14887436	1.11342043	0.9394299
A_55_P2248	22.4	Detected	22.9	Detected	23.2	Detected	30.5	Not Detect	D030045P18Rik	1.361607143	1.03571429	1.33187773	1.0131004
A_52_P3383	114.5	Detected	146.6	Detected	245.5	Detected	155.9	Detected	Lrrc27	1.361572052	2.1441048	1.06343793	1.6746248
A_51_P5110	3726.2	Detected	4295	Detected	5109.9	Detected	5073.4	Detected	Csgalnact2	1.361547958	1.37134346	1.18123399	1.1897322
A_52_P2710	2422.7	Detected	2413.7	Detected	2581.2	Detected	3298.1	Detected	Necap2	1.361332398	1.06542288	1.36640842	1.0693955
A_55_P2015	430.1	Detected	474.4	Detected	265.3	Detected	585.5	Detected	Ccdc19	1.361311323	0.61683329	1.23419056	0.5592327
A_52_P4983	3026.7	Detected	4320.2	Detected	3090.4	Detected	4119.1	Detected	Lymr4	1.360921135	1.02104602	0.95345123	0.7153373
A_55_P1955	3610.1	Detected	2667.7	Detected	3468.5	Detected	4912.5	Detected	Synj1	1.36076563	0.96077671	1.84147393	1.3001837
A_55_P2062	255.4	Detected	233	Detected	229.4	Detected	347.5	Detected	1700027A15Rik	1.360610807	0.8981989	1.49141631	0.9845494
A_55_P2123	10741.3	Detected	5518.3	Detected	11338.6	Detected	14613.3	Detected	Jam2	1.360477782	1.05560779	2.64815251	2.054727
A_55_P2025	2070.7	Detected	2742.5	Detected	3983.7	Detected	2816.9	Detected	Tst	1.360361231	1.92384218	1.02712853	1.4525798
A_52_P2649	4633.7	Detected	5575.3	Detected	5094.4	Detected	6303.2	Detected	Dnajc3	1.360295228	1.09942379	1.130558	0.9137446
A_55_P2151	85.5	Detected	116.3	Detected	120.3	Detected	116.3	Detected	C1qtnf7	1.360233918	1.40701754	1	1.0343938
A_55_P2086	425.9	Detected	978.1	Detected	309.2	Detected	579.3	Detected	Tspan33	1.360178446	0.72599202	0.59227073	0.3161231
A_55_P2029	35010.8	Detected	40950.3	Detected	37780.4	Detected	47620.8	Detected	Ndufs5	1.360174575	1.07910702	1.16289258	0.9225915
A_55_P2059	1985.3	Detected	1437.4	Detected	1877.4	Detected	2700	Detected	Stat2	1.35999597	0.94565053	1.87839154	1.3061083
A_55_P1989	4526.6	Detected	4322.7	Detected	5034.9	Detected	6156.1	Detected	Chfr	1.35998321	1.11229179	1.42413306	1.1647581
A_51_P5163	6638.1	Detected	7043.9	Detected	6702.1	Detected	9027.7	Detected	Vps11	1.359982525	1.00964131	1.28163375	0.9514757
A_55_P2138	10293.6	Detected	11140.3	Detected	8017.4	Detected	13998.8	Detected	Cc2d1a	1.359951815	0.77887231	1.25659094	0.7196754
A_66_P1374	3266	Detected	2751.6	Detected	3750.9	Detected	4441.2	Detected	Nsdhl	1.359828536	1.14846908	1.61404274	1.3631705
A_55_P2046	21.4	Detected	27.6	Detected	21.4	Detected	29.1	Not Detect	Gm807	1.359813084	1	1.05434783	0.7753623
A_55_P2006	37.8	Detected	36.1	Detected	38.8	Detected	51.4	Detected	Eif4e2	1.35978836	1.02645503	1.42382271	1.0747922
A_55_P1975	5998.4	Detected	4094.3	Detected	6489.6	Detected	8156.2	Detected	Sipa113	1.359729261	1.0818885	1.99208656	1.5850329

A_55_P2117	5169.4	Detected	5771.8	Detected	4592.1	Detected	7028.8	Detected	Mtmr1	1.359693581	0.8883236	1.21778301	0.7956097
A_51_P2449	3219.5	Detected	3256.6	Detected	3724	Detected	4377.5	Detected	Rmnd5b	1.359683181	1.15670135	1.34419333	1.1435239
A_55_P1999	250.5	Detected	230.1	Detected	314.2	Detected	340.6	Detected	Vmn1r217	1.359680639	1.25429142	1.48022599	1.3654933
A_66_P1159	325.5	Detected	340.5	Detected	356.2	Detected	442.5	Detected	1700016H13Rik	1.359447005	1.09431644	1.29955947	1.0461087
A_51_P4054	148.3	Detected	187.5	Detected	164.3	Detected	201.6	Detected	Fcer1g	1.359406608	1.10788941	1.0752	0.8762667
A_55_P2130	8372.6	Detected	10433.3	Detected	10467.6	Detected	11380.7	Detected	Armc1	1.359279077	1.25022096	1.0908054	1.0032876
A_55_P2005	43.7	Detected	61	Detected	54.6	Detected	59.4	Detected	Col9a1	1.359267735	1.24942792	0.97377049	0.895082
A_55_P2016	27	Detected	22.3	Detected	32.3	Detected	36.7	Not Detect	Fbxo40	1.359259259	1.1962963	1.64573991	1.4484305
A_51_P3326	5353.9	Detected	7884.5	Detected	5904.3	Detected	7276.3	Detected	Top1mt	1.359065354	1.10280356	0.92286131	0.748849
A_55_P2098	3070.9	Detected	2590.3	Detected	4343.1	Detected	4173.5	Detected	Chmp6	1.359047836	1.41427595	1.61120334	1.6766784
A_66_P1351	247.6	Detected	264.5	Detected	220.4	Detected	336.5	Detected	Nfib	1.35904685	0.8901454	1.27221172	0.8332703
A_55_P1966	41.5	Detected	34.8	Detected	47.4	Detected	56.4	Detected	A930033H14Rik	1.359036145	1.14216867	1.62068966	1.362069
A_52_P2694	1413.5	Detected	1302.7	Detected	1021	Detected	1920.7	Detected	Ddhd2	1.35882561	0.72232048	1.47439932	0.7837568
A_55_P2279	53.8	Detected	56.5	Detected	74.9	Detected	73.1	Detected	AW492981	1.358736059	1.39219331	1.29380531	1.3256637
A_52_P2469	100.1	Detected	95.6	Detected	86	Detected	136	Detected	4930558C23Rik	1.358641359	0.85914086	1.42259414	0.8995816
A_55_P2017	14.5	Not Detect	16.4	Not Detect	22.2	Detected	19.7	Not Detect	Pde8b	1.35862069	1.53103448	1.20121951	1.3536585
A_55_P2008	4288.2	Detected	5018.9	Detected	4510.7	Detected	5826	Detected	Ap1g1	1.358612005	1.05188657	1.16081213	0.8987428
A_51_P2285	145.6	Detected	157.7	Detected	147.2	Detected	197.8	Detected	Tat	1.358516484	1.01098901	1.25428028	0.9334179
A_55_P2168	386.7	Detected	459.6	Detected	438.2	Detected	525.3	Detected	Relb	1.358417378	1.13317817	1.14295039	0.9534378
A_55_P1970	2108.2	Detected	2679	Detected	2084.7	Detected	2863.8	Detected	Vps54	1.358410018	0.98885305	1.06898096	0.7781635
A_51_P4124	82.6	Detected	98.8	Detected	77.6	Detected	112.2	Detected	Antxrl	1.358353511	0.93946731	1.13562753	0.7854251
A_51_P1908	1820.9	Detected	1664.1	Detected	1837.4	Detected	2473.4	Detected	Atp6v1b2	1.358339283	1.00906145	1.48632895	1.1041404
A_51_P1044	85.4	Detected	165.3	Detected	40.8	Detected	116	Detected	Magee1	1.358313817	0.47775176	0.70175439	0.246824
A_52_P2111	398.3	Detected	239.3	Detected	516.6	Detected	541	Detected	Mturn	1.358272659	1.2970123	2.26076055	2.1587965
A_55_P2034	6574.2	Detected	10224.8	Detected	6656.4	Detected	8929.5	Detected	Polr2c	1.358264123	1.01250342	0.87331782	0.6510054
A_55_P2117	43	Detected	55	Detected	46.4	Detected	58.4	Detected	Syt5	1.358139535	1.07906977	1.06181818	0.8436364
A_52_P6003	7101.6	Detected	6051.9	Detected	8153.4	Detected	9643.6	Detected	Scamp2	1.357947505	1.14810747	1.59348304	1.3472463
A_52_P5649	645.4	Detected	523.3	Detected	723.4	Detected	876.4	Detected	C2cd3	1.35791757	1.12085528	1.67475635	1.382381
A_51_P1230	5189.1	Detected	4590.7	Detected	6860.5	Detected	7046.3	Detected	Gmcl1	1.357904068	1.32209824	1.53490753	1.4944344
A_52_P9484	1460.2	Detected	952.7	Detected	1685.3	Detected	1982.7	Detected	Nicn1	1.357827695	1.15415696	2.08113782	1.7689724
A_52_P6460	1894.1	Detected	1676.2	Detected	1986.4	Detected	2571.8	Detected	Nfatc2ip	1.357795259	1.04873027	1.53430378	1.1850614
A_55_P2101	37448.8	Detected	47988.9	Detected	43271.7	Detected	50847.4	Detected	Rpl13a	1.357784495	1.15548963	1.05956586	0.9017023
A_51_P4819	33183.7	Detected	36787.5	Detected	34007.7	Detected	45055.6	Detected	Ccna2	1.357762998	1.02483147	1.22475297	0.9244363
A_55_P2090	1455.4	Detected	1067.5	Detected	1651.9	Detected	1976	Detected	Macrod2	1.35770235	1.13501443	1.85105386	1.5474473
A_55_P2086	15854.2	Detected	16740.7	Detected	12395.9	Detected	21524.9	Detected	Nfib	1.357678092	0.78186853	1.28578255	0.7404649
A_51_P2673	77.2	Detected	113.9	Detected	135.9	Detected	104.8	Detected	Tbc1d10c	1.357512953	1.76036269	0.92010536	1.1931519
A_55_P2020	1759.3	Detected	1959.5	Detected	1526.9	Detected	2388.2	Detected	Slc39a3	1.357471722	0.86790201	1.2187803	0.7792294
A_55_P2062	475.6	Detected	475.4	Detected	375.1	Detected	645.6	Detected	D430041D05Rik	1.35744323	0.78868797	1.3580143	0.7890198
A_52_P1530	29.1	Detected	18.8	Detected	8.4	Not Detect	39.5	Not Detect	Hoxb2	1.357388316	0.28865979	2.10106383	0.4468085
A_55_P2014	12296.4	Detected	9984.7	Detected	19957.3	Detected	16690.1	Detected	Ccdc12	1.357315962	1.62301975	1.6715675	1.9987881

A_66_P1192	31903.8	Detected	29812.8	Detected	25397.4	Detected	43302.7	Detected	Gatad1	1.357289727	0.79606191	1.45248685	0.8518958
A_55_P2054	7188.6	Detected	8403.3	Detected	8465	Detected	9756.8	Detected	Adprm	1.357260106	1.17755891	1.16106768	1.0073424
A_55_P2398	306.8	Detected	296.4	Detected	296.7	Detected	416.4	Detected	Lelp1	1.357235984	0.96707953	1.4048583	1.0010121
A_55_P1985	92.1	Detected	85.5	Detected	83	Detected	125	Detected	Susd3	1.357220413	0.90119435	1.4619883	0.9707602
A_55_P2173	7	Not Detect	6.9	Not Detect	33.1	Detected	9.5	Not Detect	Galnt15	1.357142857	4.72857143	1.37681159	4.7971014
A_55_P2127	54.6	Detected	57.3	Detected	46.9	Detected	74.1	Detected	Gm9868	1.357142857	0.85897436	1.29319372	0.8184991
A_55_P2122	876.8	Detected	820.1	Detected	746.3	Detected	1189.9	Detected	Cym	1.357093978	0.85116332	1.45092062	0.910011
A_55_P1958	1545.7	Detected	1225.9	Detected	1523.2	Detected	2097.6	Detected	Nipsnap3b	1.357055056	0.98544349	1.71106942	1.2425157
A_55_P1980	1757	Detected	2611.4	Detected	2018.1	Detected	2384.3	Detected	Ankrd24	1.357029027	1.14860558	0.91303515	0.7728039
A_55_P2078	7315.6	Detected	6507.7	Detected	7171.3	Detected	9927.3	Detected	Tpm1	1.35700421	0.98027503	1.52546983	1.1019715
A_55_P2139	20397.7	Detected	21252.9	Detected	23708.1	Detected	27679.5	Detected	Ilk	1.356991229	1.16229281	1.30238697	1.1155231
A_55_P2087	39.5	Detected	41.7	Detected	30.9	Detected	53.6	Detected	Ppp6r2	1.356962025	0.78227848	1.2853717	0.7410072
A_51_P4729	53658.3	Detected	52325.5	Detected	70771.9	Detected	72812.2	Detected	Slc3a2	1.356960619	1.31893668	1.39152421	1.3525317
A_66_P1259	38.1	Detected	21.2	Detected	35.6	Detected	51.7	Not Detect	2500004C02Rik	1.356955381	0.9343832	2.43867925	1.6792453
A_55_P2006	31334.1	Detected	30760.9	Detected	34219.5	Detected	42517.1	Detected	Ogdh	1.356895523	1.09208498	1.38217998	1.1124349
A_51_P2405	26.9	Detected	27.7	Detected	26.5	Detected	36.5	Not Detect	Olfr578	1.356877323	0.98513011	1.31768953	0.9566787
A_51_P1504	65.3	Detected	75.1	Detected	61.1	Detected	88.6	Detected	Gsdmc	1.356814701	0.93568147	1.17976032	0.8135819
A_55_P1967	3991.2	Detected	4242.3	Detected	4226.9	Detected	5414.6	Detected	Tas2r109	1.356634596	1.05905492	1.27633595	0.9963699
A_51_P4505	28871.2	Detected	41351.1	Detected	23954	Detected	39164.6	Detected	2700029M09Rik	1.356528305	0.82968495	0.94712353	0.5792833
A_52_P2076	1357.2	Detected	1454.1	Detected	1490.6	Detected	1841	Detected	Zfc3h1	1.356469201	1.0982906	1.26607524	1.0251014
A_51_P2569	1093.3	Detected	1118.2	Detected	1121.7	Detected	1483	Detected	Ankmy2	1.356443794	1.0259764	1.3262386	1.00313
A_66_P1103	1183.1	Detected	982.8	Detected	1281.6	Detected	1604.7	Detected	Snx10	1.356351957	1.08325585	1.63278388	1.3040293
A_55_P2186	162.2	Detected	173.4	Detected	162.8	Detected	220	Detected	Ablim2	1.356350185	1.00369914	1.26874279	0.9388697
A_66_P1346	3094.9	Detected	2469.6	Detected	4548.6	Detected	4197.2	Detected	Far1	1.356166597	1.46970823	1.69954649	1.8418367
A_55_P2004	150.5	Detected	151.4	Detected	186.7	Detected	204.1	Detected	BC025920	1.356146179	1.24053156	1.34808454	1.2331572
A_55_P2118	23080.9	Detected	29582.8	Detected	25027.4	Detected	31297.4	Detected	Tnip1	1.355986985	1.0843338	1.05795935	0.8460119
A_55_P2122	3725.7	Detected	4151.4	Detected	3355.4	Detected	5051.9	Detected	Dlx3	1.355959954	0.90060928	1.21691478	0.8082575
A_52_P1853	1870.8	Detected	1786.5	Detected	2653.2	Detected	2536.7	Detected	Gna13	1.355943981	1.41821681	1.41992723	1.4851385
A_55_P2160	97.8	Detected	57	Detected	97.1	Detected	132.6	Detected	6720475J19Rik	1.355828221	0.99284254	2.32631579	1.7035088
A_51_P3547	3756.8	Detected	3014.7	Detected	5184.4	Detected	5092.9	Detected	Cox15	1.355648424	1.38000426	1.68935549	1.7197068
A_55_P2251	18	Detected	16	Detected	18.8	Detected	24.4	Not Detect	2900076A13Rik	1.355555556	1.04444444	1.525	1.175
A_55_P1991	2886.5	Detected	4327.8	Detected	2928.9	Detected	3912.8	Detected	Milr1	1.355551706	1.01468907	0.90410832	0.6767642
A_52_P4640	308	Detected	343.6	Detected	534.7	Detected	417.5	Detected	Hdac8	1.355519481	1.73603896	1.21507567	1.55617
A_55_P2062	68.1	Detected	71.2	Detected	77.6	Detected	92.3	Detected	Mag	1.355359765	1.13950073	1.29634831	1.0898876
A_51_P4388	1071.6	Detected	1162.3	Detected	885.6	Detected	1452.4	Detected	Pycard	1.355356476	0.82642777	1.24959133	0.7619375
A_51_P1484	2573	Detected	2659.7	Detected	2827.1	Detected	3487.3	Detected	Rnft1	1.355343956	1.09875632	1.31116291	1.0629394
A_55_P1996	29270.6	Detected	39641.7	Detected	27753.1	Detected	39668.1	Detected	Ttc13	1.355219913	0.94815617	1.00066597	0.7000986
A_55_P2177	36.6	Detected	41.8	Detected	30.6	Detected	49.6	Detected	Atp6v0a1	1.355191257	0.83606557	1.18660287	0.7320574
A_55_P2067	5972.9	Detected	8504.9	Detected	5607.2	Detected	8094.3	Detected	Fam179b	1.355170855	0.93877346	0.95172195	0.6592905
A_55_P2301	27.6	Detected	38.3	Detected	36.2	Detected	37.4	Not Detect	9430062P05Rik	1.355072464	1.3115942	0.97650131	0.9451697

A_52_P6635	860.2	Detected	1072.6	Detected	1182	Detected	1165.6	Detected	10-Sep	1.355033713	1.37409905	1.0867052	1.1019952
A_55_P2038	35.5	Detected	26.3	Detected	26	Detected	48.1	Detected	Acot3	1.354929577	0.73239437	1.82889734	0.9885932
A_52_P8163	558.4	Detected	507.8	Detected	823.7	Detected	756.5	Detected	2810001G20Rik	1.35476361	1.47510745	1.48975975	1.6220953
A_55_P1982	15975.2	Detected	15479.2	Detected	16627.5	Detected	21638.3	Detected	Nadk	1.354493214	1.04083204	1.39789524	1.0741834
A_55_P2160	274.2	Detected	331.7	Detected	279	Detected	371.4	Detected	Tfcp2	1.354485777	1.01750547	1.11968646	0.8411215
A_55_P2099	409.1	Detected	644.6	Detected	443.7	Detected	554.1	Detected	Rhobtb1	1.354436568	1.0845759	0.85960285	0.6883339
A_55_P1984	16233.6	Detected	21164	Detected	14395.3	Detected	21986.8	Detected	Rsph3b	1.354400749	0.88675956	1.03887734	0.6801786
A_66_P1284	3375.3	Detected	3087.2	Detected	3115.2	Detected	4571.4	Detected	BB094273	1.354368501	0.92294018	1.48075926	1.0090697
A_55_P2079	67008.4	Detected	66522.9	Detected	99085.7	Detected	90743.4	Detected	Ndufv1	1.354209323	1.47870565	1.36409267	1.4894976
A_55_P2133	24.3	Detected	49.3	Detected	22.2	Detected	32.9	Not Detect	Pop5	1.353909465	0.91358025	0.6673428	0.4503043
A_55_P2058	72.9	Detected	156	Detected	92.6	Detected	98.7	Detected	Gm4419	1.353909465	1.2702332	0.63269231	0.5935897
A_66_P1245	3859.4	Detected	1751	Detected	4059.4	Detected	5225.1	Detected	Akap13	1.353863295	1.05182153	2.98406625	2.3183324
A_55_P2130	128.3	Detected	133	Detected	136.7	Detected	173.7	Detected	Zfp599	1.353858145	1.06547155	1.30601504	1.0278195
A_51_P2240	23.2	Detected	17.6	Detected	36.4	Detected	31.4	Not Detect	Klhl38	1.353448276	1.56896552	1.78409091	2.0681818
A_52_P1373	175.2	Detected	71.9	Detected	3.4	Not Detect	237.1	Detected	Prkaa2	1.353310502	0.01940639	3.29763561	0.0472879
A_55_P2362	50.1	Detected	47.1	Detected	43.5	Detected	67.8	Detected	D4Ert681e	1.353293413	0.86826347	1.43949045	0.9235669
A_55_P2011	208.4	Detected	156.3	Detected	255.3	Detected	282	Detected	Tead1	1.353166987	1.22504798	1.80422265	1.6333973
A_55_P2146	132.8	Detected	104.8	Detected	149	Detected	179.7	Detected	Gm13178	1.353162651	1.12198795	1.71469466	1.4217557
A_66_P1060	35.4	Detected	26.9	Detected	35.3	Detected	47.9	Detected	Gm4906	1.353107345	0.99717514	1.78066914	1.3122677
A_51_P3872	7371.6	Detected	7406.9	Detected	8346.2	Detected	9974.2	Detected	Nampt	1.353057681	1.1322101	1.34660924	1.1268142
A_51_P3006	1791.6	Detected	1516.1	Detected	2012	Detected	2424	Detected	Tbccd1	1.352980576	1.12301853	1.59883913	1.3270892
A_55_P2287	326.6	Detected	234.6	Detected	340	Detected	441.8	Detected	AI415730	1.352725046	1.04102878	1.88320546	1.4492754
A_55_P2169	41.7	Detected	42.4	Detected	43.3	Detected	56.4	Detected	Mfsd6	1.352517986	1.0383693	1.33018868	1.0212264
A_55_P2053	78239.6	Detected	73874	Detected	88276.1	Detected	105818.4	Detected	Scamp3	1.352491577	1.12827903	1.43241736	1.1949549
A_52_P4385	88.8	Detected	116.4	Detected	80.1	Detected	120.1	Detected	Fubp1	1.352477477	0.90202703	1.03178694	0.6881443
A_55_P2176	99.3	Detected	119.3	Detected	111.3	Detected	134.3	Detected	D830039M14Rik	1.352467271	1.12084592	1.12573345	0.9329422
A_55_P1952	24.4	Detected	27	Detected	23.5	Detected	33	Not Detect	Olf51	1.352459016	0.96311475	1.22222222	0.8703704
A_51_P3627	1485.2	Detected	1480.1	Detected	1772.3	Detected	2008.6	Detected	Dusp18	1.35241045	1.1933073	1.35707047	1.1974191
A_52_P5589	147	Detected	220.9	Detected	387.8	Detected	198.8	Detected	Gpr155	1.352380952	2.63809524	0.89995473	1.7555455
A_51_P4667	365.8	Detected	289.9	Detected	307.6	Detected	494.7	Detected	Zfp646	1.352378349	0.84089666	1.7064505	1.0610555
A_51_P2342	105.3	Detected	110.4	Detected	111.1	Detected	142.4	Detected	Adam6b	1.352326686	1.05508072	1.28985507	1.0063406
A_51_P1690	26793.9	Detected	35870.4	Detected	28161.8	Detected	36231.1	Detected	2810004N23Rik	1.352214497	1.05105266	1.01005564	0.7850986
A_55_P2091	5648.4	Detected	5540.3	Detected	9032.5	Detected	7637.4	Detected	Tmem219	1.352135118	1.59912542	1.37851741	1.6303269
A_55_P2015	237.8	Detected	259	Detected	247.2	Detected	321.4	Detected	Hhat	1.351555929	1.03952902	1.24092664	0.9544402
A_52_P2463	2682.4	Detected	3633	Detected	2937.6	Detected	3625.4	Detected	Azin1	1.35155085	1.09513868	0.99790806	0.8085879
A_55_P2133	951.5	Detected	902.6	Detected	1032.8	Detected	1286	Detected	Nbr1	1.351550184	1.08544404	1.42477288	1.1442499
A_55_P2325	728.1	Detected	491.1	Detected	919.1	Detected	984	Detected	Pura	1.351462711	1.2623266	2.00366524	1.8715129
A_52_P2449	1681.9	Detected	2318.1	Detected	885.8	Detected	2273	Detected	Akap11	1.351447767	0.52666627	0.98054441	0.3821233
A_55_P2106	910.1	Detected	943.2	Detected	2208.3	Detected	1229.9	Detected	Nkain4	1.351389957	2.42643666	1.30396522	2.341285
A_51_P3171	7.4	Not Detect	26.7	Detected	3.6	Not Detect	10	Not Detect	Csf3	1.351351351	0.48648649	0.37453184	0.1348315

A_51_P2476	165.7	Detected	174.9	Detected	190.4	Detected	223.9	Detected	6330419J24Rik	1.351237176	1.14906457	1.28016009	1.0886221
A_51_P2417	428.5	Detected	608.6	Detected	392.7	Detected	579	Detected	Mlf1ip	1.351225204	0.91645274	0.95136379	0.6452514
A_55_P2019	2900.8	Detected	2943.5	Detected	2482.9	Detected	3919.3	Detected	Klhl17	1.351110039	0.85593629	1.33151011	0.8435196
A_52_P4670	181.2	Detected	211.6	Detected	192.9	Detected	244.8	Detected	Tmem33	1.350993377	1.06456954	1.15689981	0.9116257
A_52_P1447	315.7	Detected	244.1	Detected	323.1	Detected	426.5	Detected	Tceanc2	1.350966107	1.02343997	1.74723474	1.3236379
A_51_P3689	35222	Detected	26875.6	Detected	43971	Detected	47582	Detected	Anapc13	1.35091704	1.24839589	1.7704535	1.6360937
A_51_P2517	3499.6	Detected	5635.9	Detected	3987.4	Detected	4727.6	Detected	Reep5	1.350897245	1.13938736	0.83883674	0.7075001
A_52_P1958	5408.3	Detected	4682.3	Detected	7238.2	Detected	7305.6	Detected	Ctsc	1.35081264	1.33835031	1.56025885	1.5458642
A_55_P2098	15264.5	Detected	20812.2	Detected	19055.1	Detected	20617.9	Detected	Btg1	1.350709162	1.24832782	0.99066413	0.9155736
A_52_P3151	3431.1	Detected	3591.6	Detected	3050.6	Detected	4634.2	Detected	Pdx1	1.350645566	0.88910262	1.29028845	0.8493708
A_55_P1979	10992.1	Detected	12089.7	Detected	15072.9	Detected	14845.2	Detected	Glod4	1.350533565	1.37124844	1.22792129	1.2467555
A_55_P2067	226	Detected	287.4	Detected	225.1	Detected	305.2	Detected	Fam179b	1.350442478	0.9960177	1.06193459	0.7832289
A_51_P2024	100470.8	Detected	110750.1	Detected	99236	Detected	135679.6	Detected	Pdap1	1.350438137	0.98770986	1.22509686	0.8960353
A_55_P2025	159.8	Detected	185.3	Detected	185.9	Detected	215.8	Detected	Dnah8	1.350438048	1.16332916	1.16459795	1.003238
A_55_P2029	2036.1	Detected	2097.7	Detected	1814	Detected	2749.6	Detected	Zfp57	1.350424832	0.89091891	1.31076894	0.8647566
A_51_P3482	796.8	Detected	689.7	Detected	820.9	Detected	1076	Detected	Stoml1	1.350401606	1.03024598	1.56009859	1.1902276
A_55_P2090	74574.6	Detected	94201.5	Detected	70147.6	Detected	100704.5	Detected	Ebna1bp2	1.350386056	0.94063662	1.06903287	0.7446548
A_52_P5672	29.4	Detected	22.7	Detected	14.9	Not Detect	39.7	Not Detect	Cyp2w1	1.350340136	0.50680272	1.74889868	0.6563877
A_55_P1952	7384.6	Detected	7491.9	Detected	7601.9	Detected	9971.7	Detected	Tm2d1	1.350337188	1.0294261	1.33099748	1.0146825
A_65_P0217	390.8	Detected	218.1	Detected	937.4	Detected	527.7	Detected	Gstm4	1.350307062	2.3986694	2.41953232	4.2980284
A_66_P1162	98.2	Detected	115.4	Detected	130.7	Detected	132.6	Detected	Tdg	1.350305499	1.33095723	1.14904679	1.1325823
A_55_P2069	19567.9	Detected	22508.9	Detected	27238.2	Detected	26421.9	Detected	Ormdl2	1.35026753	1.39198381	1.17384235	1.210108
A_55_P2099	24428.4	Detected	18454.9	Detected	32173.9	Detected	32983.9	Detected	Cars	1.350227604	1.31706948	1.78727059	1.7433798
A_55_P2052	455.2	Detected	400.7	Detected	411.9	Detected	614.6	Detected	Ip6k2	1.350175747	0.90487698	1.53381582	1.0279511
A_51_P3804	3590.1	Detected	4424.7	Detected	3312	Detected	4846.1	Detected	Cars2	1.349850979	0.92253698	1.0952381	0.7485253
A_55_P2098	32461.5	Detected	35046.8	Detected	37597	Detected	43815.1	Detected	Slc39a1	1.349755865	1.15820279	1.25018832	1.0727656
A_51_P1486	820.9	Detected	897.4	Detected	1465.9	Detected	1108	Detected	Cox7a1	1.349738092	1.78572299	1.23467796	1.6334968
A_52_P4968	2001	Detected	2287.1	Detected	2748	Detected	2700.7	Detected	2310011J03Rik	1.349675162	1.37331334	1.18084037	1.2015216
A_55_P2030	153	Detected	170	Detected	154.6	Detected	206.5	Detected	Ifnab	1.349673203	1.01045752	1.21470588	0.9094118
A_51_P2869	502.3	Detected	562	Detected	741.8	Detected	677.9	Detected	3110001I22Rik	1.349591877	1.47680669	1.20622776	1.3199288
A_52_P8224	15435.1	Detected	14899.5	Detected	25170.9	Detected	20829.4	Detected	Cycs	1.349482673	1.63075717	1.39799322	1.6893788
A_55_P1962	25.2	Detected	11.3	Not Detect	31.8	Detected	34	Not Detect	Klhl24	1.349206349	1.26190476	3.00884956	2.8141593
A_52_P4123	2427.2	Detected	2910.3	Detected	3026	Detected	3274.6	Detected	Pcgf6	1.349126566	1.24670402	1.1251761	1.0397554
A_51_P1933	2164	Detected	2473.9	Detected	2623.3	Detected	2919.4	Detected	Nucb2	1.349075786	1.21224584	1.18008004	1.0603905
A_66_P1000	2433.7	Detected	2682.3	Detected	2933.6	Detected	3283.2	Detected	1810043H04Rik	1.349056991	1.2054074	1.22402416	1.0936883
A_51_P1409	24170.8	Detected	23069.1	Detected	29059.5	Detected	32606.5	Detected	Rp9	1.349003757	1.20225644	1.41342749	1.259672
A_52_P4206	14.9	Not Detect	29.1	Detected	5.3	Not Detect	20.1	Not Detect	Prokr1	1.348993289	0.3557047	0.69072165	0.1821306
A_51_P3172	1320.5	Detected	1765.4	Detected	1030.2	Detected	1781.1	Detected	Cmtm2a	1.34880727	0.78015903	1.00889317	0.5835505
A_55_P2108	63439.8	Detected	91037.6	Detected	84644.2	Detected	85558.7	Detected	Gm8709	1.348659674	1.33424443	0.93981717	0.9297719
A_55_P2345	39.3	Detected	44.3	Detected	30.6	Detected	53	Detected	N4bp2I1	1.348600509	0.77862595	1.19638826	0.6907449

A_55_P1973	1886.4	Detected	1914.4	Detected	2024.3	Detected	2544	Detected	Sema4b	1.348600509	1.07310221	1.32887589	1.057407
A_55_P2161	1173.8	Detected	970.6	Detected	2024	Detected	1582.9	Detected	Smim15	1.348526154	1.72431419	1.6308469	2.0853081
A_55_P2034	13819.9	Detected	14993.9	Detected	12729.4	Detected	18636.3	Detected	Cdk8	1.348511928	0.92109205	1.24292546	0.8489719
A_51_P1149	342.9	Detected	338.9	Detected	260.6	Detected	462.4	Detected	Prss37	1.348498104	0.75998833	1.36441428	0.7689584
A_55_P2134	1099.7	Detected	1220.9	Detected	1448.7	Detected	1482.9	Detected	Fdxacb1	1.348458671	1.31735928	1.21459579	1.1865837
A_55_P2042	140639.7	Detected	162115.4	Detected	136991.8	Detected	189639	Detected	Aoc2	1.348403047	0.97406209	1.16977782	0.8450264
A_51_P1756	250.6	Detected	243	Detected	227.5	Detected	337.9	Detected	Lpo	1.348363927	0.90782123	1.39053498	0.936214
A_55_P1968	2803.4	Detected	3132.7	Detected	3296.8	Detected	3779.9	Detected	Rbm25	1.348327031	1.17600057	1.20659495	1.0523829
A_51_P1024	98.8	Detected	3.1	Not Detect	1028.5	Detected	133.2	Detected	Ugt2b36	1.348178138	10.409919	42.9677419	331.77419
A_55_P1994	61688.6	Detected	91650.3	Detected	82565.9	Detected	83166.4	Detected	Gapdh	1.348164815	1.33843044	0.90743184	0.9008798
A_51_P2956	25287.2	Detected	30908.1	Detected	35160.1	Detected	34090.1	Detected	Arf4	1.348116834	1.39043073	1.10295036	1.1375691
A_55_P2046	1202.8	Detected	1413.3	Detected	1452.1	Detected	1621.5	Detected	Eogt	1.348104423	1.20726638	1.1473148	1.0274535
A_51_P5043	311.2	Detected	150.8	Detected	346.3	Detected	419.5	Detected	Nrarp	1.348007712	1.1127892	2.78183024	2.2964191
A_51_P4832	4698.2	Detected	3308.7	Detected	7786.3	Detected	6332.5	Detected	Impact	1.347856626	1.65729428	1.91389367	2.3532807
A_55_P1989	3909.3	Detected	5314	Detected	3073.9	Detected	5269.1	Detected	Cklf	1.347837209	0.78630445	0.99155062	0.5784531
A_55_P2030	6.9	Not Detect	13.6	Not Detect	17.1	Detected	9.3	Not Detect	4933416108Rik	1.347826087	2.47826087	0.68382353	1.2573529
A_55_P2112	24129.4	Detected	25073.1	Detected	24888.8	Detected	32519.6	Detected	Hmg20b	1.347716893	1.03147198	1.2969916	0.9926495
A_51_P3124	16814.6	Detected	12395.3	Detected	22066.2	Detected	22661.3	Detected	Dhrs7	1.347715676	1.31232381	1.82821715	1.780207
A_55_P2157	42	Detected	40.3	Detected	58.5	Detected	56.6	Detected	Ccl1	1.347619048	1.39285714	1.4044665	1.4516129
A_51_P3922	9790.1	Detected	8027	Detected	9965.5	Detected	13193.3	Detected	Tbcd	1.34761647	1.01791606	1.6436153	1.2414974
A_51_P1052	317.6	Detected	226.6	Detected	339	Detected	428	Detected	Nat14	1.347607053	1.06738035	1.88879082	1.4960282
A_55_P2163	553.5	Detected	282.2	Detected	556.7	Detected	745.9	Detected	0610042G04Rik	1.347606143	1.00578139	2.64316088	1.9727144
A_55_P2058	1616.3	Detected	1415.3	Detected	1328.4	Detected	2177.6	Detected	Mterf1a	1.34727464	0.82187713	1.53861372	0.9385996
A_51_P3973	1770.1	Detected	2338.3	Detected	2928.8	Detected	2384.8	Detected	Pet112	1.347268516	1.65459579	1.01988624	1.2525339
A_51_P2329	1294.2	Detected	1338.7	Detected	1347.4	Detected	1743.4	Detected	Cnp	1.347087004	1.04110648	1.30230821	1.0064988
A_55_P2080	29.1	Detected	36.9	Detected	27.2	Detected	39.2	Not Detect	Cyp2b19	1.347079038	0.9347079	1.06233062	0.7371274
A_51_P1659	11616.7	Detected	15726.9	Detected	17550.3	Detected	15645.8	Detected	Aup1	1.346836881	1.51078189	0.99484323	1.1159415
A_55_P2090	107959.8	Detected	11026.9	Detected	100187.1	Detected	145402.5	Detected	Plcd4	1.346820761	0.92800376	13.1861629	9.0856995
A_51_P2299	42.4	Detected	42.9	Detected	64.8	Detected	57.1	Detected	Rab30	1.346698113	1.52830189	1.33100233	1.5104895
A_55_P2014	674.8	Detected	658.1	Detected	719.2	Detected	908.7	Detected	Iws1	1.346621221	1.06579727	1.38079319	1.092843
A_55_P2106	91370	Detected	91910.1	Detected	125474	Detected	123009.4	Detected	Syngn2	1.346277772	1.37325161	1.33836651	1.3651818
A_51_P2552	93.9	Detected	103.5	Detected	97.7	Detected	126.4	Detected	Olf15l3	1.346112886	1.04046858	1.22125604	0.9439614
A_55_P2079	17878.2	Detected	18112.7	Detected	11329.7	Detected	24064.4	Detected	Ccdc68	1.346019174	0.63371592	1.32859264	0.6255114
A_55_P2153	13854.5	Detected	10321.5	Detected	13196.9	Detected	18648.4	Detected	Sik3	1.346017539	0.95253528	1.80675289	1.2785835
A_55_P2157	2304.8	Detected	2039.4	Detected	2738.4	Detected	3102.3	Detected	Tsc1	1.346017008	1.18812912	1.5211827	1.3427479
A_52_P4987	158.4	Detected	150.6	Detected	165.4	Detected	213.2	Detected	Gsdmc3	1.345959596	1.04419192	1.41567065	1.0982736
A_51_P3468	27402.1	Detected	30448.9	Detected	29991.5	Detected	36881.3	Detected	Snrnp27	1.345929692	1.09449641	1.21125229	0.9849781
A_51_P1089	100.6	Detected	111.8	Detected	106.8	Detected	135.4	Detected	4931414P19Rik	1.345924453	1.06163022	1.21109123	0.9552773
A_66_P1156	164.5	Detected	144.4	Detected	177	Detected	221.4	Detected	1700071A11Rik	1.345896657	1.07598784	1.533241	1.2257618
A_55_P2142	50.6	Detected	41.3	Detected	48.5	Detected	68.1	Detected	Parp9	1.345849802	0.95849802	1.64891041	1.1743341

A_51_P5091	2157	Detected	2049.6	Detected	2771.9	Detected	2902.9	Detected	U2af114	1.345804358	1.28507186	1.41632514	1.3524102
A_55_P2280	1179.2	Detected	1114.5	Detected	737.7	Detected	1586.9	Detected	A130088B03Rik	1.345742877	0.62559362	1.42386721	0.6619112
A_51_P1675	3958	Detected	3113.4	Detected	4179.9	Detected	5326	Detected	Leng1	1.345629106	1.05606367	1.71067001	1.3425516
A_55_P2162	738.1	Detected	894.6	Detected	927.3	Detected	993.2	Detected	Pkhd1	1.345617125	1.25633383	1.11021686	1.0365526
A_55_P1984	3844.2	Detected	3825.4	Detected	2719.3	Detected	5172.4	Detected	Usp48	1.345507518	0.70737735	1.35212004	0.7108538
A_55_P2385	178.3	Detected	167.2	Detected	118.4	Detected	239.9	Detected	A130014A01Rik	1.345485137	0.66404936	1.43480861	0.708134
A_55_P1977	20203	Detected	19620.7	Detected	26887.9	Detected	27181.9	Detected	Nfu1	1.345438796	1.3308865	1.38536851	1.3703843
A_55_P2203	1415.6	Detected	1511.8	Detected	1508.6	Detected	1904.5	Detected	2900011F02Rik	1.345365923	1.06569652	1.25975658	0.9978833
A_55_P1953	19.4	Detected	27.5	Detected	22.2	Detected	26.1	Not Detect	Tex35	1.345360825	1.1443299	0.94909091	0.8072727
A_51_P2952	8097.4	Detected	11124.8	Detected	7917.8	Detected	10893.9	Detected	Alkbh5	1.345357769	0.97782004	0.97924457	0.7117252
A_55_P2109	403.4	Detected	450.7	Detected	415.6	Detected	542.7	Detected	Zdhhc21	1.345314824	1.03024294	1.20412691	0.9221211
A_51_P1673	1936.4	Detected	1729.3	Detected	2152.1	Detected	2604.8	Detected	Gpatch1	1.345176616	1.11139227	1.50627422	1.244492
A_55_P2172	31869.9	Detected	36853.6	Detected	39475.6	Detected	42866	Detected	Scamp4	1.345030891	1.23864838	1.16314281	1.0711464
A_52_P5695	2691.8	Detected	3089.6	Detected	2182.6	Detected	3620.3	Detected	Lig4	1.344936474	0.8108329	1.17176981	0.7064345
A_55_P2040	3249.9	Detected	3585.4	Detected	3816.8	Detected	4370.9	Detected	Mtfr1	1.34493369	1.17443614	1.21908295	1.0645395
A_52_P6082	385.6	Detected	404.1	Detected	374.4	Detected	518.6	Detected	Pim2	1.344917012	0.97095436	1.28334571	0.9265033
A_52_P6006	907.3	Detected	1020.2	Detected	794.2	Detected	1220.2	Detected	Rad23b	1.344869393	0.87534443	1.19603999	0.7784748
A_55_P2127	394.9	Detected	450.2	Detected	467.3	Detected	531	Detected	Bcas3	1.344644214	1.18333755	1.17947579	1.0379831
A_55_P2041	109.4	Detected	101.7	Detected	109	Detected	147.1	Detected	1500009C09Rik	1.344606947	0.99634369	1.44641101	1.0717797
A_51_P2917	6410.1	Detected	11360.3	Detected	11130.3	Detected	8618.3	Detected	Pecr	1.344487605	1.73636917	0.75863313	0.9797541
A_66_P1065	5764.6	Detected	5539.6	Detected	7339.2	Detected	7750.1	Detected	Vhl	1.344429796	1.27314991	1.39903603	1.324861
A_55_P2137	171.9	Detected	142.9	Detected	325.9	Detected	231.1	Detected	Crb3	1.344386271	1.89586969	1.61721484	2.2806158
A_55_P2011	24.4	Detected	21.2	Detected	29.6	Detected	32.8	Not Detect	Cyb561a3	1.344262295	1.21311475	1.54716981	1.3962264
A_55_P2133	4649	Detected	4511	Detected	7059.6	Detected	6249.1	Detected	Vkorc1	1.344181544	1.51852011	1.38530259	1.5649745
A_55_P2101	700.8	Detected	660.2	Detected	828.5	Detected	942	Detected	Stxbp3b	1.344178082	1.18222032	1.42684035	1.2549228
A_55_P2033	180853.1	Detected	218931.5	Detected	178764.5	Detected	243091.5	Detected	Gm5445	1.344137867	0.9884514	1.11035415	0.8165317
A_55_P1981	18.6	Detected	18.9	Detected	11.6	Not Detect	25	Not Detect	Rreb1	1.344086022	0.62365591	1.32275132	0.6137566
A_55_P1976	221.2	Detected	248.4	Detected	109.2	Detected	297.3	Detected	Ccdc176	1.34403255	0.49367089	1.1968599	0.4396135
A_55_P2120	234	Detected	179.5	Detected	239.4	Detected	314.5	Detected	Zmynd11	1.344017094	1.02307692	1.75208914	1.3337047
A_51_P4318	9774.9	Detected	14949.6	Detected	7230.9	Detected	13137.5	Detected	Map1s	1.344003519	0.73974158	0.87878605	0.4836852
A_55_P2029	3003.4	Detected	4242.1	Detected	3775.4	Detected	4036.1	Detected	Snap47	1.343843644	1.25704202	0.95143915	0.8899837
A_51_P3301	57.3	Detected	34.8	Detected	49.4	Detected	77	Detected	Ift140	1.343804538	0.86212914	2.21264368	1.4195402
A_51_P1460	9123.1	Detected	5480.6	Detected	9743.2	Detected	12257	Detected	Ccdc92	1.343512622	1.06797032	2.23643397	1.7777616
A_55_P2109	9.9	Not Detect	16.4	Detected	16.8	Detected	13.3	Not Detect	Scn11a	1.343434343	1.6969697	0.81097561	1.0243902
A_51_P1119	1476	Detected	1610.6	Detected	1716.4	Detected	1982.9	Detected	Tor1aip2	1.343428184	1.16287263	1.23115609	1.0656898
A_55_P2114	720.1	Detected	839.8	Detected	879.9	Detected	967.4	Detected	Acrbp	1.343424524	1.22191362	1.15194094	1.0477495
A_55_P2017	1779.4	Detected	2260	Detected	3048.7	Detected	2390.3	Detected	Phf7	1.343317972	1.71333034	1.05765487	1.3489823
A_55_P2106	433.2	Detected	590.8	Detected	518.2	Detected	581.9	Detected	Gm11110	1.343259464	1.19621422	0.98493568	0.8771158
A_55_P2259	50.4	Detected	50.5	Detected	58	Detected	67.7	Detected	AK155734	1.343253968	1.15079365	1.34059406	1.1485149
A_52_P2177	1574	Detected	2753.1	Detected	1645.6	Detected	2113.9	Detected	Fzd6	1.343011436	1.0454892	0.76782536	0.5977262

A_55_P2094	151.6 Detected	165 Detected	144.6 Detected	203.6 Detected	Sox10	1.343007916	0.95382586	1.23393939	0.8763636
A_51_P3969	173.2 Detected	111.1 Detected	221.1 Detected	232.6 Detected	Ssu2	1.34295612	1.27655889	2.09360936	1.990099
A_55_P2147	35.3 Detected	39.4 Detected	40.8 Detected	47.4 Detected	Slc38a11	1.342776204	1.15580737	1.20304569	1.035533
A_55_P2113	1294.1 Detected	1490.4 Detected	1727.3 Detected	1737.6 Detected	Scnm1	1.342709219	1.33475002	1.16586151	1.1589506
A_55_P2116	1897.5 Detected	1735.2 Detected	2735.1 Detected	2547.7 Detected	9430038I01Rik	1.342661397	1.44142292	1.46824574	1.5762448
A_55_P1960	6230.9 Detected	4938.9 Detected	6508.5 Detected	8365.9 Detected	Ubn1	1.34264713	1.04455215	1.6938792	1.3178036
A_55_P2107	36.2 Detected	38.5 Detected	39.9 Detected	48.6 Not Detect	Col25a1	1.342541436	1.10220994	1.26233766	1.0363636
A_51_P2725	2858.5 Detected	3102.5 Detected	3376.9 Detected	3837.6 Detected	Dym	1.342522302	1.18135386	1.23693795	1.0884448
A_55_P2081	12997 Detected	15392.5 Detected	16129.6 Detected	17446.7 Detected	BC052688	1.342363622	1.24102485	1.1334546	1.047887
A_55_P2024	8673.3 Detected	12328.6 Detected	9239.3 Detected	11641.2 Detected	Fars2	1.342188094	1.06525775	0.94424347	0.74942
A_55_P1996	1951.9 Detected	1920.4 Detected	2089.5 Detected	2619.8 Detected	Polr2a	1.342179415	1.07049541	1.36419496	1.0880546
A_52_P5502	979.3 Detected	1083.3 Detected	1321.4 Detected	1314.1 Detected	Trmt12	1.341876851	1.34933115	1.21305271	1.2197914
A_55_P2128	1242.4 Detected	1374.2 Detected	1247.1 Detected	1667 Detected	Trappc13	1.341757888	1.003783	1.21306942	0.9075098
A_55_P1967	4646.5 Detected	4865 Detected	4813.2 Detected	6233.8 Detected	Fln	1.341611966	1.03587647	1.28135663	0.9893525
A_51_P2964	187.7 Detected	232.7 Detected	206.4 Detected	251.8 Detected	Tmem170	1.341502397	1.09962706	1.08207993	0.8869789
A_51_P1526	648.8 Detected	672.5 Detected	831.7 Detected	870.2 Detected	Nol7	1.341245376	1.28190506	1.2939777	1.2367286
A_66_P1326	1504.2 Detected	1409.3 Detected	1237.3 Detected	2017.4 Detected	C230057M02Rik	1.341178035	0.82256349	1.43149081	0.8779536
A_52_P1540	25.5 Detected	32.1 Detected	20 Detected	34.2 Not Detect	Blk	1.341176471	0.78431373	1.06542056	0.623053
A_55_P2059	148302 Detected	157890 Detected	135281.3 Detected	198839.6 Detected	Lamp1	1.340774905	0.91220145	1.25935525	0.8568073
A_51_P3574	2296.5 Detected	1966.4 Detected	2885.6 Detected	3079 Detected	Ap1g2	1.340735902	1.25652079	1.56580553	1.4674532
A_55_P1992	1005.2 Detected	1282.2 Detected	1308.9 Detected	1347.6 Detected	Shq1	1.340628731	1.30212893	1.05100608	1.0208236
A_51_P2468	4128 Detected	3955.3 Detected	4281.4 Detected	5534.1 Detected	Napa	1.340625	1.03716085	1.39916062	1.0824463
A_52_P3707	23.2 Detected	18.3 Not Detect	22.2 Detected	31.1 Not Detect	1700084E18Rik	1.340517241	0.95689655	1.69945355	1.2131148
A_55_P2077	39216.8 Detected	34615.9 Detected	42338.8 Detected	52568 Detected	Ppp1cc	1.340445931	1.07960874	1.5186085	1.2231027
A_55_P1987	26072.2 Detected	21695 Detected	33340.2 Detected	34946.9 Detected	Psenen	1.34038938	1.27876435	1.61082738	1.5367688
A_55_P2150	374.4 Detected	397.4 Detected	507.1 Detected	501.8 Detected	Lalba	1.340277778	1.35443376	1.2627076	1.2760443
A_55_P2149	187.2 Detected	215.6 Detected	205.8 Detected	250.9 Detected	Khsrp	1.340277778	1.09935897	1.16372913	0.9545455
A_55_P1958	3591.1 Detected	2900 Detected	4025.1 Detected	4813 Detected	Parp6	1.34025786	1.12085433	1.65965517	1.3879655
A_51_P2685	25820.7 Detected	26675.9 Detected	26046.5 Detected	34604.4 Detected	Idh3a	1.340180553	1.00874492	1.29721584	0.9764057
A_55_P2001	8703.2 Detected	8572.9 Detected	7104.7 Detected	11663 Detected	Stx18	1.340081809	0.81633192	1.36044979	0.8287394
A_55_P2178	1339 Detected	1246.6 Detected	1185.2 Detected	1794.3 Detected	Zbtb5	1.340029873	0.88513816	1.43935505	0.950746
A_66_P1199	15 Detected	9.9 Not Detect	16.8 Not Detect	20.1 Not Detect	Thpo	1.34	1.12	2.03030303	1.6969697
A_55_P2113	13653.1 Detected	9819.9 Detected	12649.9 Detected	18294 Detected	Sik3	1.339915477	0.92652218	1.86295176	1.2881903
A_55_P1975	2363.6 Detected	2257.7 Detected	2662.6 Detected	3167 Detected	Timmdc1	1.339905229	1.12650195	1.40275502	1.1793418
A_55_P2016	61.2 Detected	55.7 Detected	46.9 Detected	82 Detected	Ppfia4	1.339869281	0.76633987	1.47217235	0.8420108
A_55_P1975	2715.3 Detected	3759.9 Detected	3413.1 Detected	3638.1 Detected	Rad18	1.33985195	1.25698818	0.96760552	0.9077635
A_51_P2058	71.8 Detected	42.7 Detected	70 Detected	96.2 Detected	Klf11	1.339832869	0.97493036	2.2529274	1.6393443
A_55_P2024	296.4 Detected	453.7 Detected	312.3 Detected	397.1 Detected	Lama3	1.33974359	1.05364372	0.87524796	0.6883403
A_52_P3493	20.9 Detected	25.1 Detected	33.8 Detected	28 Not Detect	B3gat1	1.339712919	1.61722488	1.11553785	1.3466135
A_55_P2379	981.9 Detected	969.7 Detected	1250.2 Detected	1315.4 Detected	Asph	1.339647622	1.27324575	1.35650201	1.2892647

A_52_P6744	483.3	Detected	508.6	Detected	567.2	Detected	647.4	Detected	Irak4	1.339540658	1.17359818	1.27290602	1.1152182
A_51_P4480	9575.9	Detected	9212.7	Detected	13142.2	Detected	12826.6	Detected	Cox6b1	1.339466786	1.37242452	1.39227371	1.4265308
A_55_P2403	38.6	Detected	32.3	Detected	53.4	Detected	51.7	Detected	1700092C02Rik	1.339378238	1.38341969	1.6006192	1.6532508
A_52_P6567	56.3	Detected	69.9	Detected	76.1	Detected	75.4	Detected	Ctf2	1.339253996	1.35168739	1.07868383	1.0886981
A_55_P2162	5537.3	Detected	4733.6	Detected	5530.5	Detected	7415.6	Detected	Lrsam1	1.33920864	0.99877196	1.5665878	1.1683497
A_55_P2002	6494.3	Detected	6552.3	Detected	5819.4	Detected	8697.1	Detected	Zmiz2	1.339189751	0.8960781	1.32733544	0.8881461
A_52_P3345	17.1	Detected	63.3	Detected	21.7	Detected	22.9	Not Detect	Vdr	1.339181287	1.26900585	0.36176935	0.342812
A_55_P2371	128	Detected	125.3	Detected	87.5	Detected	171.4	Detected	9030601B04Rik	1.3390625	0.68359375	1.367917	0.698324
A_52_P6841	1451.2	Detected	999.4	Detected	1775	Detected	1943.2	Detected	2510002D24Rik	1.339029768	1.22312569	1.94436662	1.7760656
A_55_P1977	649.8	Detected	741.8	Detected	606.8	Detected	870.1	Detected	Ttc14	1.339027393	0.93382579	1.17295767	0.8180102
A_55_P2003	5160	Detected	6170.1	Detected	7094.2	Detected	6908	Detected	Scnm1	1.33875969	1.37484496	1.11959288	1.1497707
A_55_P2022	658	Detected	825.9	Detected	513	Detected	880.9	Detected	Zfp866	1.338753799	0.77963526	1.06659402	0.6211406
A_55_P2040	8120.8	Detected	9025.8	Detected	7251.9	Detected	10871.3	Detected	Dhx15	1.338698158	0.89300315	1.20446941	0.8034634
A_55_P2201	261.3	Detected	228.7	Detected	263.6	Detected	349.8	Detected	AI790442	1.33869116	1.00880214	1.52951465	1.1526017
A_52_P4739	3101.2	Detected	2035.1	Detected	3827.3	Detected	4151.4	Detected	Ctdspl	1.338643106	1.23413517	2.03989976	1.8806447
A_55_P2002	45.2	Detected	46.3	Detected	43.1	Detected	60.5	Detected	Gm833	1.338495575	0.95353982	1.30669546	0.9308855
A_55_P2026	33786.2	Detected	31389.7	Detected	41006.6	Detected	45217.1	Detected	Capns1	1.338330443	1.21370856	1.44050756	1.3063712
A_55_P2030	162	Detected	166.9	Detected	134	Detected	216.8	Detected	Ifna5	1.338271605	0.82716049	1.29898143	0.802876
A_51_P4568	107.1	Detected	258.4	Detected	443.1	Detected	143.3	Detected	Foxj1	1.338001867	4.1372549	0.55456656	1.7147833
A_52_P1035	5508.6	Detected	6677.1	Detected	5007.2	Detected	7370.5	Detected	Tfdp1	1.337998766	0.90897869	1.10384748	0.7499064
A_55_P2090	3172.8	Detected	3275.3	Detected	3431.5	Detected	4244.6	Detected	Zfp956	1.337808875	1.08153681	1.29594236	1.0476903
A_55_P2097	906	Detected	518	Detected	672.4	Detected	1212	Detected	Stxbp1	1.337748344	0.74216336	2.33976834	1.2980695
A_55_P2010	58940.7	Detected	56159.5	Detected	58925	Detected	78847.1	Detected	Gabarap	1.337736064	0.99973363	1.40398508	1.0492437
A_55_P2167	4199.5	Detected	1943	Detected	7437.5	Detected	5617.3	Detected	Pvrl2	1.33761162	1.77104417	2.89104478	3.8278435
A_55_P1994	101.6	Detected	93.7	Detected	91	Detected	135.9	Detected	Shank1	1.337598425	0.89566929	1.45037353	0.9711846
A_52_P2495	2206.7	Detected	2225.3	Detected	2124.4	Detected	2951.6	Detected	Ado	1.337562877	0.96270449	1.32638296	0.9546578
A_55_P2085	194.4	Detected	254.9	Detected	171.6	Detected	260	Detected	Aco1	1.33744856	0.88271605	1.02000785	0.6732052
A_55_P2042	48.6	Detected	84	Detected	37.4	Detected	65	Detected	Fam161a	1.33744856	0.76954733	0.77380952	0.4452381
A_55_P2171	31734.3	Detected	35829.6	Detected	43781.7	Detected	42442.3	Detected	Mrps33	1.337426696	1.37963339	1.18455969	1.2219422
A_55_P1980	120177.3	Detected	120976.8	Detected	143414.5	Detected	160713.4	Detected	Pcbp1	1.337302469	1.19335765	1.32846463	1.1854711
A_51_P4206	8988.3	Detected	11400.4	Detected	11308.2	Detected	12020	Detected	Reep4	1.337294038	1.2581022	1.05434897	0.9919126
A_55_P2027	17535	Detected	25391.2	Detected	27611.5	Detected	23448.7	Detected	Adck5	1.337251212	1.5746507	0.92349712	1.0874437
A_55_P1982	730.1	Detected	544.7	Detected	632.9	Detected	976.2	Detected	Dnajb5	1.337077113	0.86686755	1.79217918	1.161924
A_51_P1144	27	Detected	29.9	Detected	71.5	Detected	36.1	Not Detect	Ccl17	1.337037037	2.64814815	1.20735786	2.3913043
A_55_P2032	18.1	Detected	17.6	Detected	13.7	Not Detect	24.2	Not Detect	Slc5a4a	1.337016575	0.75690608	1.375	0.7784091
A_55_P2181	81.6	Detected	88.7	Detected	91.4	Detected	109.1	Detected	Mfap2	1.337009804	1.12009804	1.22998873	1.0304397
A_55_P2177	1077.2	Detected	1139.6	Detected	1164.3	Detected	1440.2	Detected	Chrna2	1.336984775	1.08085778	1.26377676	1.0216743
A_55_P2467	1076.4	Detected	1092.5	Detected	922.8	Detected	1439.1	Detected	B3galt6	1.336956522	0.85730212	1.317254	0.8446682
A_51_P4834	16571.1	Detected	12103	Detected	19852.6	Detected	22154.6	Detected	St3gal5	1.336942026	1.19802548	1.83050483	1.6403041
A_55_P2023	232.4	Detected	218.5	Detected	267.6	Detected	310.7	Detected	Lsm2	1.336919105	1.15146299	1.42196796	1.224714

A_51_P3368	8825.6	Detected	12364.1	Detected	10054.3	Detected	11798.9	Detected	Cyb5b	1.336894942	1.13922	0.95428701	0.8131849
A_55_P1975	15305.4	Detected	15284.9	Detected	17197.5	Detected	20460.6	Detected	Ppp2r5a	1.336822298	1.12362304	1.33861523	1.12513
A_55_P1970	5432	Detected	7494.4	Detected	5910.3	Detected	7261.2	Detected	Pemt	1.336745214	1.08805228	0.96888343	0.7886288
A_52_P5278	740.4	Detected	1209.3	Detected	934.3	Detected	989.6	Detected	Reps1	1.336574824	1.26188547	0.81832465	0.7725957
A_51_P2295	1052.4	Detected	969.3	Detected	1567.9	Detected	1406.6	Detected	Etnk1	1.336564044	1.48983276	1.45115031	1.6175591
A_55_P2022	7789.7	Detected	6767.2	Detected	7242.6	Detected	10411.1	Detected	Zfp579	1.336521304	0.92976623	1.53846495	1.0702506
A_52_P3677	1145.7	Detected	1171.4	Detected	1022.6	Detected	1531.1	Detected	Zfp821	1.336388234	0.89255477	1.30706847	0.8729725
A_52_P4458	16356.9	Detected	16026.4	Detected	15509.9	Detected	21858.5	Detected	Abcf2	1.336347352	0.94821757	1.36390581	0.9677719
A_55_P1999	6487.6	Detected	6137	Detected	7030.8	Detected	8668.6	Detected	Ino80e	1.336179789	1.08372896	1.41251426	1.1456412
A_55_P1992	23.5	Detected	15.6	Not Detect	13.2	Not Detect	31.4	Not Detect	Gm3414	1.336170213	0.56170213	2.01282051	0.8461538
A_55_P2032	5762.8	Detected	1973.2	Detected	10007.7	Detected	7699.4	Detected	Dbp	1.336051919	1.73660373	3.90198662	5.0718123
A_55_P2126	360.2	Detected	563.4	Detected	606.4	Detected	481.2	Detected	Nmb	1.335924486	1.68350916	0.85410011	1.0763223
A_55_P2143	7452.7	Detected	7930.6	Detected	5989.2	Detected	9956	Detected	Nfib	1.33589169	0.80362822	1.25539051	0.7552014
A_55_P2016	30865.2	Detected	34656.3	Detected	33354.7	Detected	41232.1	Detected	Gm5068	1.335876651	1.08065718	1.18974328	0.9624426
A_55_P1956	37453.9	Detected	39074.7	Detected	32620.3	Detected	50030.5	Detected	H2-Q4	1.335788796	0.87094535	1.28038091	0.8348189
A_55_P1963	2117.8	Detected	1770.5	Detected	2477.6	Detected	2828.4	Detected	Nxpe3	1.335536878	1.16989329	1.59751483	1.3993787
A_51_P1220	3179.5	Detected	3190.4	Detected	3081.4	Detected	4245.8	Detected	Nipa1	1.335367196	0.96914609	1.33080491	0.965835
A_55_P2154	89335.9	Detected	87141.1	Detected	93409.3	Detected	119286.9	Detected	Smarca4	1.335262756	1.04559645	1.36889367	1.0719316
A_52_P2839	4908	Detected	4991.6	Detected	6299.4	Detected	6553.4	Detected	Hnrnpdl	1.335248574	1.28349633	1.31288565	1.2620002
A_55_P2064	26744.1	Detected	22884.1	Detected	23690.7	Detected	35704.3	Detected	Prkci	1.335034643	0.88582902	1.56022304	1.0352472
A_55_P1972	6415.3	Detected	6789.1	Detected	6626.5	Detected	8564.4	Detected	Rars2	1.334996025	1.0329213	1.26149269	0.9760498
A_55_P2072	327.5	Detected	286.6	Detected	400.5	Detected	437.2	Detected	Zfp954	1.334961832	1.22290076	1.52547104	1.397418
A_51_P4137	21539.1	Detected	16245.9	Detected	22823.1	Detected	28753.8	Detected	Commd3	1.334958285	1.05961252	1.76991118	1.4048529
A_51_P1084	8222.4	Detected	10747.7	Detected	7667.6	Detected	10976.3	Detected	Gtl3	1.334926542	0.93252578	1.02126967	0.7134178
A_55_P2016	305.3	Detected	319.3	Detected	238.2	Detected	407.5	Detected	Ylpm1	1.334752702	0.78021618	1.27622925	0.7460069
A_66_P1083	26.3	Detected	39.6	Detected	48.5	Detected	35.1	Not Detect	Rbakdn	1.33460076	1.84410646	0.88636364	1.2247475
A_55_P2162	254.1	Detected	350.7	Detected	321.7	Detected	339.1	Detected	Lrsam1	1.334513971	1.26603699	0.9669233	0.9173082
A_55_P2101	445.8	Detected	489	Detected	386.6	Detected	594.9	Detected	Gpbar1	1.334454913	0.86720502	1.21656442	0.790593
A_55_P1972	3472.3	Detected	2806.8	Detected	3879.3	Detected	4633.6	Detected	Eftud1	1.334446908	1.11721337	1.65084794	1.3821077
A_55_P2134	4909.3	Detected	6452.4	Detected	6289.5	Detected	6551.2	Detected	Cnot2	1.334446866	1.28113988	1.01531213	0.9747536
A_55_P1957	8929.4	Detected	7035	Detected	9911.9	Detected	11914.4	Detected	Rsu1	1.334288978	1.11002979	1.6935892	1.408941
A_66_P1057	462.5	Detected	611.1	Detected	562.8	Detected	617.1	Detected	Ap4s1	1.33427027	1.21686486	1.00981836	0.9209622
A_51_P1726	4311.4	Detected	3569.8	Detected	3851.2	Detected	5752.5	Detected	Stard3nl	1.334253375	0.89325973	1.61143481	1.0788279
A_51_P3914	16397.4	Detected	13994.6	Detected	26729.4	Detected	21877.7	Detected	Ifngr1	1.33421762	1.63009989	1.56329584	1.9099796
A_55_P2169	6757.1	Detected	7161.4	Detected	7565.7	Detected	9014.9	Detected	Ccdc53	1.334137426	1.11966672	1.25881811	1.0564554
A_66_P1303	209.2	Detected	220	Detected	221	Detected	279.1	Detected	Stk38l	1.334130019	1.05640535	1.26863636	1.0045455
A_55_P2052	36002.8	Detected	45747.6	Detected	41046.8	Detected	48031	Detected	Rpl13a	1.334090682	1.14010021	1.049913	0.8972449
A_55_P2159	14563.4	Detected	13512.9	Detected	17627.1	Detected	19426.3	Detected	Decr1	1.333912411	1.21036983	1.43761147	1.3044646
A_55_P1999	45783	Detected	50314.3	Detected	55710.5	Detected	61061.2	Detected	Krt85	1.333709019	1.21683813	1.21359534	1.1072498
A_55_P2051	536.7	Detected	689.8	Detected	671.9	Detected	715.8	Detected	Sco1	1.333705981	1.25190982	1.03769208	0.9740504

A_51_P4038	101.9 Detected	97.4 Detected	84.8 Detected	135.9 Detected	Syngn3	1.333660451	0.83218842	1.39527721	0.8706366
A_52_P5141	130.7 Detected	148.8 Detected	189.3 Detected	174.3 Detected	Glrx2	1.33358837	1.44835501	1.17137097	1.2721774
A_52_P3097	516.5 Detected	553 Detected	506.6 Detected	688.7 Detected	D14Abb1e	1.33339787	0.98083253	1.24538879	0.916094
A_51_P3949	555.5 Detected	499.7 Detected	574.1 Detected	740.7 Detected	1700020L24Rik	1.333393339	1.03348335	1.48228937	1.1488893
A_55_P2155	617.4 Detected	668.1 Detected	613.1 Detected	823.2 Detected	Hace1	1.333333333	0.99303531	1.23215088	0.917677
A_55_P2160	46.8 Detected	64 Detected	46.5 Detected	62.4 Detected	Slc8a3	1.333333333	0.99358974	0.975	0.7265625
A_55_P2104	7.2 Not Detect	3.6 Not Detect	24.2 Detected	9.6 Not Detect	Cysltr1	1.333333333	3.36111111	2.66666667	6.7222222
A_51_P3833	32.7 Detected	17.5 Detected	2184.6 Detected	43.6 Detected	Aldh1a7	1.333333333	66.8073394	2.49142857	124.83429
A_55_P2391	26.1 Detected	23.7 Detected	27.6 Detected	34.8 Not Detect	4933415J04Rik	1.333333333	1.05747126	1.46835443	1.164557
A_55_P1976	11.4 Not Detect	11.4 Not Detect	16.7 Detected	15.2 Not Detect	Olf46	1.333333333	1.46491228	1.33333333	1.4649123
A_51_P2424	18 Detected	19.9 Detected	18.3 Detected	24 Not Detect	Ankrd60	1.333333333	1.01666667	1.20603015	0.919598
A_55_P2046	9.3 Not Detect	19.5 Detected	16.7 Detected	12.4 Not Detect	Kbtbd11	1.333333333	1.79569892	0.63589744	0.8564103
A_55_P2087	18045 Detected	13652.6 Detected	23467.8 Detected	24059.5 Detected	Dnaja3	1.333305625	1.30051538	1.76226506	1.7189253
A_51_P3562	14087.6 Detected	22527.9 Detected	14548.7 Detected	18782.7 Detected	Fbxo31	1.333278912	1.03273091	0.83375281	0.6458081
A_51_P3504	1049.8 Detected	948.3 Detected	1189.8 Detected	1399.6 Detected	Exoc4	1.333206325	1.13335873	1.47590425	1.2546662
A_52_P2015	208 Detected	137.1 Detected	121.3 Detected	277.3 Detected	Myo9a	1.333173077	0.58317308	2.02261123	0.8847557
A_52_P4466	463.1 Detected	1193.3 Detected	329.9 Detected	617.3 Detected	Rhbdl2	1.33297344	0.71237314	0.51730495	0.2764602
A_55_P2010	175.1 Detected	227.5 Detected	220.3 Detected	233.4 Detected	Serpina11	1.332952599	1.25813821	1.02593407	0.9683516
A_55_P2047	35132.2 Detected	42551.6 Detected	31198.5 Detected	46828.3 Detected	Pop7	1.332916811	0.88803149	1.10050621	0.7331922
A_55_P2083	4293.1 Detected	5280.2 Detected	4726.9 Detected	5722.2 Detected	Scfd1	1.332882998	1.10104586	1.08370895	0.8952123
A_55_P2210	8876.3 Detected	9317.1 Detected	7987.9 Detected	11830.5 Detected	Get4	1.332818855	0.89991325	1.26976205	0.8573376
A_51_P4674	2760.4 Detected	2720.7 Detected	2510.4 Detected	3678.9 Detected	Pif1	1.332741632	0.90943342	1.35218877	0.9227037
A_55_P1959	464.8 Detected	424 Detected	443.2 Detected	619.3 Detected	Rltpr	1.332401033	0.9535284	1.46061321	1.045283
A_51_P4488	71.3 Detected	58 Detected	68.3 Detected	95 Detected	Elf4	1.332398317	0.95792426	1.63793103	1.1775862
A_55_P2103	104.7 Detected	507 Detected	24.2 Detected	139.5 Detected	Gbp4	1.332378223	0.23113658	0.27514793	0.0477318
A_52_P5690	4429.8 Detected	6183.7 Detected	5565.8 Detected	5902.1 Detected	Cnot2	1.332362635	1.25644499	0.95446092	0.900076
A_55_P1990	34.3 Detected	28.3 Detected	40.9 Detected	45.7 Detected	Bai1	1.332361516	1.19241983	1.61484099	1.4452297
A_52_P4380	2949.2 Detected	2496.1 Detected	3907.2 Detected	3929.2 Detected	Cebpg	1.332293503	1.32483385	1.57413565	1.5653219
A_55_P1992	809.9 Detected	752.7 Detected	887.1 Detected	1079 Detected	Col4a3bp	1.332263242	1.09532041	1.43350604	1.1785572
A_51_P2721	3155.5 Detected	4246 Detected	4747.9 Detected	4203.8 Detected	Cirbp	1.332213595	1.50464269	0.99006123	1.1182054
A_55_P2045	16472.9 Detected	17484 Detected	19234.2 Detected	21945.3 Detected	Tmem59	1.33220623	1.16762683	1.25516472	1.100103
A_55_P2281	620.4 Detected	551.1 Detected	490.7 Detected	826.5 Detected	2610002M06Rik	1.332205029	0.79094133	1.49972782	0.890401
A_51_P5208	17803.3 Detected	21010.5 Detected	21760.8 Detected	23715.9 Detected	Gm12060	1.332106969	1.22229025	1.12876419	1.0357107
A_51_P1856	169 Detected	183.5 Detected	264.5 Detected	225.1 Detected	Slc2a2	1.331952663	1.56508876	1.226703	1.4414169
A_55_P2154	23.2 Detected	26.4 Detected	24.9 Detected	30.9 Not Detect	Cd8b1	1.331896552	1.07327586	1.17045455	0.9431818
A_55_P2140	7276.4 Detected	7806.8 Detected	7603.6 Detected	9689 Detected	Flcn	1.33156506	1.04496729	1.2410975	0.9739714
A_66_P1241	726.9 Detected	639.4 Detected	699.2 Detected	967.9 Detected	Ttc16	1.331544917	0.96189297	1.5137629	1.0935252
A_55_P1966	5243.7 Detected	10370.9 Detected	7580.1 Detected	6981.6 Detected	Krt81	1.331426283	1.44556325	0.67319133	0.7309009
A_51_P3312	2042.8 Detected	3015 Detected	797.6 Detected	2719.7 Detected	Tmem218	1.331358919	0.39044449	0.90205638	0.2645439
A_55_P2151	55141.6 Detected	60567.4 Detected	51504.4 Detected	73400.4 Detected	Elovl1	1.331125684	0.93403891	1.21187966	0.850365

A_52_P1891	2880.6	Detected	3414.4	Detected	3114.8	Detected	3834	Detected	Thap1	1.330972714	1.08130251	1.12289128	0.912254
A_55_P2026	9986.7	Detected	13781.4	Detected	8808.1	Detected	13290.5	Detected	Usp11	1.330819991	0.88198304	0.96437953	0.6391296
A_52_P5102	2305.8	Detected	2678.7	Detected	1383.3	Detected	3068.6	Detected	Ralgapa1	1.330817937	0.59992194	1.14555568	0.5164072
A_52_P1831	115.8	Detected	93.8	Detected	108.4	Detected	154.1	Detected	Zfp60	1.33074266	0.93609672	1.64285714	1.1556503
A_55_P2393	36.9	Detected	36.9	Detected	30.3	Detected	49.1	Not Detect	A430106G13Rik	1.330623306	0.82113821	1.33062331	0.8211382
A_55_P2095	5656.8	Detected	4957.5	Detected	5566	Detected	7526.3	Detected	Akr1b10	1.330487201	0.98394852	1.5181644	1.1227433
A_51_P2268	1145.6	Detected	1281.2	Detected	1455.8	Detected	1524.2	Detected	Gga1	1.330481844	1.27077514	1.18966594	1.1362785
A_55_P2074	3529.5	Detected	3375.4	Detected	3274.8	Detected	4694.6	Detected	Zfp609	1.330103414	0.9278368	1.39082775	0.9701961
A_55_P2467	887.1	Detected	1277.5	Detected	813.6	Detected	1179.9	Detected	Srp54a	1.330064254	0.91714576	0.92360078	0.6368689
A_55_P1970	16592.2	Detected	16498	Detected	17890.2	Detected	22068.6	Detected	Unc45a	1.330058702	1.07822953	1.33765305	1.084386
A_55_P2383	161	Detected	108.3	Detected	109.1	Detected	214.1	Detected	2810040C05Rik	1.329813665	0.67763975	1.97691597	1.0073869
A_55_P2035	22101.9	Detected	28370.2	Detected	18470.9	Detected	29387.4	Detected	Haus8	1.329632294	0.83571548	1.03585452	0.651067
A_55_P2010	1421.8	Detected	1084.9	Detected	1866.3	Detected	1890.4	Detected	Zfp688	1.32958222	1.31263188	1.74246474	1.7202507
A_52_P4094	53.1	Detected	54.9	Detected	49.9	Detected	70.6	Detected	Ppcdc	1.329566855	0.93973635	1.2859745	0.9089253
A_55_P1996	147.2	Detected	104.6	Detected	132.1	Detected	195.7	Detected	5033417F24Rik	1.329483696	0.89741848	1.8709369	1.2629063
A_51_P1111	4064.1	Detected	9139.4	Detected	4253.9	Detected	5403.1	Detected	Rnd1	1.329470239	1.04670161	0.59118761	0.4654463
A_51_P3244	2844.3	Detected	3090.4	Detected	2488.4	Detected	3781.1	Detected	Wdr35	1.329360475	0.87487255	1.22349858	0.8052032
A_55_P2030	65.9	Detected	61.4	Detected	58.4	Detected	87.6	Detected	A430033K04Rik	1.329286798	0.8861912	1.4267101	0.9511401
A_55_P1961	27322.9	Detected	43336.5	Detected	28983.5	Detected	36319.8	Detected	Gm11974	1.329280567	1.06077686	0.83808799	0.6688011
A_52_P2233	201.2	Detected	206	Detected	186.3	Detected	267.4	Detected	Akap10	1.329025845	0.92594433	1.29805825	0.9043689
A_55_P2096	3198.3	Detected	2290.9	Detected	4173.6	Detected	4250.5	Detected	Tprn	1.328987274	1.30494325	1.85538435	1.8218168
A_55_P1962	8816.2	Detected	8947.6	Detected	10291.4	Detected	11715.7	Detected	Anxa7	1.328883192	1.16732833	1.30936788	1.1501855
A_55_P1984	3275.4	Detected	3206.8	Detected	2283	Detected	4352.6	Detected	Usp48	1.328875862	0.69701411	1.35730323	0.7119247
A_51_P2605	16748.9	Detected	17663.5	Detected	12290.1	Detected	22257	Detected	Glg1	1.328863388	0.7337855	1.26005605	0.6957908
A_55_P2125	2264.2	Detected	2098.9	Detected	2553.4	Detected	3008.8	Detected	Gpatch1	1.328857875	1.12772723	1.43351279	1.216542
A_55_P2054	315.1	Detected	397	Detected	275.4	Detected	418.7	Detected	Adprm	1.328784513	0.87400825	1.05465995	0.6937028
A_51_P4722	16078.3	Detected	22372.1	Detected	16932	Detected	21364.5	Detected	Slc7a7	1.32877854	1.05309641	0.95496176	0.7568355
A_52_P6727	672.3	Detected	569.5	Detected	540	Detected	893.3	Detected	Rala	1.328722297	0.80321285	1.56856892	0.9482002
A_55_P1955	802.9	Detected	625.4	Detected	913.8	Detected	1066.8	Detected	Camk2d	1.328683522	1.1381243	1.7057883	1.4611449
A_55_P2372	7	Not Detect	18.2	Detected	8.2	Not Detect	9.3	Not Detect	4833441D16Rik	1.328571429	1.17142857	0.51098901	0.4505495
A_55_P2049	70446.2	Detected	82990.8	Detected	68409.3	Detected	93574.5	Detected	Gm3201	1.328311534	0.97108574	1.12752859	0.8242998
A_51_P4727	6462.2	Detected	4607.2	Detected	13719.7	Detected	8583.8	Detected	Pdlim2	1.328309245	2.12306954	1.86312728	2.9778824
A_51_P5152	19.5	Detected	27.3	Detected	28.5	Detected	25.9	Not Detect	Strip2	1.328205128	1.46153846	0.94871795	1.043956
A_55_P2009	19933.3	Detected	28671.2	Detected	24656.6	Detected	26475.3	Detected	Gm8709	1.328194529	1.23695525	0.92341095	0.859978
A_51_P4866	2379.7	Detected	2889.3	Detected	2107	Detected	3160.5	Detected	Afg3l1	1.328108585	0.88540572	1.09386357	0.7292424
A_55_P2379	57	Detected	44.4	Detected	39.6	Detected	75.7	Detected	BC037438	1.328070175	0.69473684	1.70495495	0.8918919
A_55_P1981	1764.3	Detected	2034.6	Detected	2066.8	Detected	2343.1	Detected	Fkbp14	1.328062121	1.1714561	1.15162686	1.0158262
A_55_P2023	268.3	Detected	345.1	Detected	271.9	Detected	356.3	Detected	Oog2	1.327991055	1.01341782	1.03245436	0.7878876
A_55_P2000	520.3	Detected	639.7	Detected	488.3	Detected	690.9	Detected	Polk	1.327887757	0.93849702	1.08003752	0.7633266
A_55_P2020	334.1	Detected	1430.5	Detected	267.2	Detected	443.6	Detected	Tmem179	1.327746184	0.79976055	0.31010136	0.1867878

A_51_P4170	24426	Detected	25969.9	Detected	26343.7	Detected	32431.3	Detected	Tuft1	1.327736838	1.0785106	1.24880342	1.0143936
A_51_P4687	1847.6	Detected	1560.3	Detected	1760.3	Detected	2453.1	Detected	Hmg20a	1.327722451	0.95274951	1.57219765	1.1281805
A_51_P4300	3641.9	Detected	4534	Detected	6905.8	Detected	4835.3	Detected	Tst	1.327686098	1.89620802	1.06645346	1.5231142
A_52_P5607	2915.7	Detected	2753.8	Detected	4097.9	Detected	3871.1	Detected	Serhl	1.327674315	1.4054601	1.40573026	1.4880892
A_51_P1070	7906.6	Detected	7699.2	Detected	10965.1	Detected	10497	Detected	BC031181	1.327625022	1.38682873	1.3633884	1.4241869
A_51_P3511	442.6	Detected	374.9	Detected	375.7	Detected	587.6	Detected	Tbce	1.32760958	0.84884772	1.56735129	1.0021339
A_55_P2017	290.3	Detected	257.2	Detected	421.2	Detected	385.4	Detected	Nup188	1.327592146	1.45091285	1.49844479	1.6376361
A_55_P2092	4342.9	Detected	4482.9	Detected	4151.4	Detected	5765.5	Detected	Slc45a3	1.327569136	0.95590504	1.28610944	0.9260523
A_55_P2133	246.7	Detected	283.5	Detected	238.1	Detected	327.5	Detected	Prss48	1.327523308	0.96513985	1.15520282	0.8398589
A_55_P1959	534.5	Detected	573	Detected	479.3	Detected	709.4	Detected	BC080695	1.327221703	0.89672591	1.23804538	0.8364747
A_55_P2051	1526.9	Detected	1807.7	Detected	1703.7	Detected	2026.4	Detected	Atp2c1	1.327133408	1.11579016	1.12098246	0.9424683
A_55_P2073	446.4	Detected	367.8	Detected	600.2	Detected	592.4	Detected	Syn1	1.327060932	1.34453405	1.61065797	1.6318651
A_55_P2006	1107.4	Detected	1156.6	Detected	1536.8	Detected	1469.5	Detected	Pik3c3	1.32698212	1.3877551	1.27053432	1.3287221
A_51_P2877	67.6	Detected	85.4	Detected	102.3	Detected	89.7	Detected	Zscan2	1.326923077	1.51331361	1.05035129	1.1978923
A_55_P2075	6321.7	Detected	7409.5	Detected	10731.4	Detected	8387.1	Detected	Tmem216	1.326715915	1.69754971	1.13193873	1.4483298
A_52_P2533	1555.8	Detected	1825.9	Detected	1904.3	Detected	2064.1	Detected	4930481A15Rik	1.326712945	1.22400051	1.13045621	1.0429377
A_55_P2091	2853.6	Detected	1845.3	Detected	1133	Detected	3785.9	Detected	Hipk2	1.326710121	0.39704233	2.05164472	0.6139923
A_51_P4185	3210.9	Detected	2686.3	Detected	2595.6	Detected	4259.8	Detected	Lnx2	1.326668535	0.80837148	1.58574992	0.9662361
A_55_P1989	2907.7	Detected	3429.9	Detected	3937.9	Detected	3857.5	Detected	Elf1	1.326649929	1.35430065	1.12466836	1.1481093
A_52_P4218	97.1	Detected	129.9	Detected	50.6	Detected	128.8	Detected	Morc4	1.326467559	0.52111226	0.99153195	0.3895304
A_55_P1970	1050.6	Detected	1844.3	Detected	1238.7	Detected	1393.5	Detected	Pemt	1.326384923	1.17904055	0.75557122	0.6716369
A_55_P2151	10696.7	Detected	10196.1	Detected	10380.5	Detected	14187.5	Detected	Phactr4	1.326343639	0.97043948	1.3914634	1.0180853
A_55_P1956	1116.5	Detected	1042.8	Detected	1392.7	Detected	1480.8	Detected	Stam	1.326287506	1.24738021	1.42002301	1.3355389
A_55_P1957	14309.2	Detected	12427.1	Detected	15561.5	Detected	18977.9	Detected	Sgk3	1.326272608	1.08751712	1.52713827	1.252223
A_55_P2007	9171	Detected	8737.4	Detected	8362.2	Detected	12163	Detected	Lrsam1	1.326245775	0.91180896	1.39206171	0.9570582
A_55_P2253	8149.3	Detected	9948.1	Detected	8495.8	Detected	10807.6	Detected	Galnt7	1.326199796	1.04251899	1.08639841	0.8540123
A_51_P3767	1722.3	Detected	1702.5	Detected	1311.8	Detected	2284	Detected	Athl1	1.326133658	0.76165593	1.34155653	0.770514
A_51_P3896	5742.7	Detected	4514.9	Detected	8500.3	Detected	7615.4	Detected	Kcnn4	1.326100963	1.48019224	1.68672617	1.8827217
A_55_P2169	2118.7	Detected	2500.1	Detected	2223.6	Detected	2809.6	Detected	Nanos3	1.326096191	1.04951149	1.12379505	0.8894044
A_51_P5196	78.2	Detected	89.4	Detected	84.5	Detected	103.7	Detected	Mical3	1.326086957	1.08056266	1.15995526	0.9451902
A_55_P2183	1272.5	Detected	1206.1	Detected	1433.1	Detected	1687.4	Detected	2610015P09Rik	1.326051081	1.12620825	1.3990548	1.1882099
A_55_P2206	379.2	Detected	337.5	Detected	224.7	Detected	502.8	Detected	5830444B04Rik	1.325949367	0.59256329	1.48977778	0.6657778
A_55_P2081	45.1	Detected	45.8	Detected	35.4	Detected	59.8	Detected	Kcraj13	1.32594235	0.78492239	1.30567686	0.7729258
A_55_P2322	258.4	Detected	271.9	Detected	300.3	Detected	342.6	Detected	Gm16853	1.325851393	1.1621517	1.26002207	1.1044502
A_55_P1962	1361.3	Detected	1995.5	Detected	1004.1	Detected	1804.8	Detected	Hist2h2aa2	1.325791523	0.73760376	0.90443498	0.5031822
A_51_P3286	50002.6	Detected	46851.4	Detected	49342.6	Detected	66286.9	Detected	Acot7	1.325669065	0.98680069	1.41483285	1.0531724
A_55_P2163	1777.7	Detected	1842.9	Detected	1524.4	Detected	2356.5	Detected	Tm4sf5	1.325589245	0.85751252	1.27869119	0.8271746
A_66_P1141	24212	Detected	23077.2	Detected	33676.1	Detected	32091.6	Detected	Zfp36l2	1.32544193	1.39088469	1.39061931	1.4592802
A_51_P2463	2079.3	Detected	1648.7	Detected	1904.6	Detected	2755.9	Detected	Nktr	1.32539797	0.91598134	1.67155941	1.1552132
A_55_P1995	3205.2	Detected	3889.3	Detected	3157.6	Detected	4248.1	Detected	Atad3a	1.325377512	0.98514913	1.0922531	0.8118685

A_55_P2024	1192.7	Detected	1351.6	Detected	1362.8	Detected	1580.7	Detected	Cep5711	1.325312317	1.14261759	1.16950281	1.0082865
A_55_P2181	62.1	Detected	59.8	Detected	67.2	Detected	82.3	Detected	Dennd1b	1.325281804	1.0821256	1.37625418	1.1237458
A_51_P3317	172.5	Detected	219.3	Detected	255.8	Detected	228.6	Detected	Fam151b	1.325217391	1.48289855	1.04240766	1.1664387
A_55_P1983	276.8	Detected	275.8	Detected	303.8	Detected	366.8	Detected	Gm4593	1.325144509	1.09754335	1.32994924	1.1015228
A_51_P1588	51475	Detected	64945.3	Detected	70758	Detected	68203.4	Detected	Dctpp1	1.324981059	1.37460903	1.05016683	1.0895015
A_52_P2672	49670.8	Detected	63634.3	Detected	54677.8	Detected	65811.4	Detected	LOC100861738	1.324951481	1.10080369	1.03421268	0.8592504
A_55_P1996	27032.7	Detected	27227.7	Detected	36187.7	Detected	35814.4	Detected	Gm16381	1.324854713	1.33866391	1.31536634	1.3290766
A_55_P2150	128.4	Detected	145.6	Detected	69.3	Detected	170.1	Detected	Gzmm	1.324766355	0.53971963	1.16826923	0.4759615
A_52_P7243	13309.1	Detected	15634.4	Detected	17362.6	Detected	17631.1	Detected	Khk	1.324740215	1.30456605	1.12771197	1.1105383
A_55_P2157	406.2	Detected	457.6	Detected	1276.3	Detected	538.1	Detected	Neu2	1.324716888	3.14204825	1.17591783	2.7891171
A_55_P2227	683.9	Detected	716.9	Detected	483.7	Detected	905.9	Detected	A530041M06Rik	1.324608861	0.70726714	1.2636351	0.6747106
A_55_P2104	4404.3	Detected	5264.4	Detected	4580.5	Detected	5833.4	Detected	Ttc33	1.324478351	1.04000636	1.10808449	0.8700897
A_51_P4328	8102.2	Detected	8472.5	Detected	12634	Detected	10730.6	Detected	Rbm4	1.324405717	1.55932956	1.2665211	1.4911773
A_52_P6476	510	Detected	435	Detected	453.5	Detected	675.4	Detected	Ubr4	1.324313725	0.88921569	1.55264368	1.0425287
A_51_P2706	13862.6	Detected	19312.3	Detected	13089.9	Detected	18357.9	Detected	Usp11	1.324275388	0.9442601	0.95058072	0.6778012
A_55_P2006	39899	Detected	38291.6	Detected	44205.6	Detected	52835.5	Detected	Ogdh	1.324231184	1.10793754	1.37981959	1.1544464
A_66_P1203	12319.2	Detected	13342	Detected	11265.2	Detected	16312.9	Detected	Sstr5	1.324185012	0.9144425	1.22267276	0.8443412
A_55_P1969	112.9	Detected	95.1	Detected	78.5	Detected	149.5	Detected	Lynx1	1.324180691	0.69530558	1.57202944	0.8254469
A_55_P1996	14.5	Detected	8.7	Not Detect	10.1	Not Detect	19.2	Not Detect	9430078G10Rik	1.324137931	0.69655172	2.20689655	1.1609195
A_55_P2204	29	Detected	23.5	Detected	14.3	Not Detect	38.4	Not Detect	6030458E02Rik	1.324137931	0.49310345	1.63404255	0.6085106
A_66_P1246	14.5	Detected	17.3	Detected	13.3	Not Detect	19.2	Not Detect	Ipcef1	1.324137931	0.91724138	1.10982659	0.7687861
A_51_P1265	1288.9	Detected	1621.6	Detected	1276.8	Detected	1706.6	Detected	D230025D16Rik	1.324074792	0.99061215	1.05241737	0.7873705
A_51_P2239	1030.2	Detected	981.4	Detected	818.2	Detected	1364	Detected	Ash11	1.324014754	0.79421472	1.38985123	0.8337069
A_55_P2279	64.2	Detected	67	Detected	80.8	Detected	85	Detected	C79015	1.323987539	1.25856698	1.26865672	1.2059701
A_51_P2213	3538.4	Detected	4193.9	Detected	2959.8	Detected	4684.7	Detected	Ranbp10	1.323959982	0.83647976	1.11702711	0.7057393
A_51_P4980	20907.7	Detected	19388.5	Detected	28212.5	Detected	27680.9	Detected	Scyl1	1.323957202	1.34938324	1.42769683	1.4551151
A_51_P4409	7.1	Not Detect	56.2	Detected	9.8	Not Detect	9.4	Not Detect	Fgf15	1.323943662	1.38028169	0.16725979	0.1743772
A_51_P3039	16597.2	Detected	16832.6	Detected	15560.7	Detected	21972.8	Detected	Actr2	1.323885957	0.93754971	1.30537172	0.9244383
A_55_P2163	282	Detected	212.4	Detected	215.8	Detected	373.3	Detected	LOC386400	1.323758865	0.76524823	1.75753296	1.0160075
A_55_P2084	93.6	Detected	110.6	Detected	92.1	Detected	123.9	Detected	Klk12	1.323717949	0.98397436	1.12025316	0.8327306
A_55_P2065	11698.8	Detected	11170.8	Detected	15210.2	Detected	15485.8	Detected	Setd3	1.323708415	1.30015044	1.38627493	1.3616035
A_51_P1849	26876.4	Detected	24458.4	Detected	47911.8	Detected	35576.4	Detected	Phpt1	1.323704068	1.78267179	1.45456776	1.9589098
A_51_P4531	6.8	Not Detect	817.3	Detected	3.2	Not Detect	9	Not Detect	Brinp3	1.323529412	0.47058824	0.01101187	0.0039153
A_52_P4990	1339	Detected	1927.9	Detected	1434.5	Detected	1772.2	Detected	9130008F23Rik	1.323525019	1.07132188	0.91923855	0.7440739
A_65_P1352	1440.5	Detected	3047	Detected	1193.1	Detected	1906.5	Detected	Osbpl8	1.323498785	0.82825408	0.62569741	0.3915655
A_55_P2086	3326.4	Detected	3758.8	Detected	2549.1	Detected	4402.3	Detected	Nfib	1.323442761	0.76632395	1.17119825	0.6781686
A_51_P3828	43.3	Detected	55.2	Detected	46	Detected	57.3	Detected	Zbbp2	1.323325635	1.06235566	1.03804348	0.8333333
A_51_P4860	724.5	Detected	648.6	Detected	622.3	Detected	958.7	Detected	Mob3a	1.323257419	0.8589372	1.47810669	0.9594511
A_55_P2134	19.8	Detected	6.6	Not Detect	23.7	Detected	26.2	Not Detect	Ms4a13	1.323232323	1.1969697	3.96969697	3.5909091
A_66_P1236	548.3	Detected	540.8	Detected	881	Detected	725.3	Detected	Nabp1	1.322815977	1.60678461	1.34116124	1.629068

A_51_P4186	1108.7	Detected	1074.5	Detected	1157.1	Detected	1466.6	Detected	Vps37c	1.322810499	1.04365473	1.36491391	1.076873
A_51_P2282	1769.9	Detected	1882.8	Detected	1818.9	Detected	2341.2	Detected	Gbas	1.322786598	1.02768518	1.24346718	0.9660612
A_51_P2599	8209.8	Detected	13992.8	Detected	5161	Detected	10859.4	Detected	Aspa	1.322736242	0.62863894	0.77607055	0.3688325
A_55_P2241	109.7	Detected	136.7	Detected	119.1	Detected	145.1	Detected	1500015A07Rik	1.322698268	1.08568824	1.06144843	0.8712509
A_51_P1214	3221.2	Detected	3301.3	Detected	4771.8	Detected	4260.5	Detected	Slc25a39	1.322643735	1.4813734	1.29055221	1.4454306
A_66_P1367	34431.9	Detected	28440.3	Detected	38823.1	Detected	45538.1	Detected	Ubald2	1.322555537	1.1275329	1.60118213	1.3650735
A_51_P2431	27.3	Detected	25.8	Detected	33.7	Detected	36.1	Not Detect	Sec14l3	1.322344322	1.23443223	1.39922481	1.3062016
A_55_P2069	21534	Detected	23809.8	Detected	26247.7	Detected	28473.8	Detected	Tnpo3	1.322271756	1.2188957	1.19588573	1.1023906
A_55_P2006	200.8	Detected	206.8	Detected	265.4	Detected	265.5	Detected	Eif4e2	1.322211155	1.32171315	1.28384913	1.2833656
A_51_P3277	19630.3	Detected	17802.4	Detected	15347.2	Detected	25955.2	Detected	Itgb5	1.322200883	0.78181179	1.45796072	0.862086
A_55_P2090	47.5	Detected	43.6	Detected	41	Detected	62.8	Detected	Vmn2r121	1.322105263	0.86315789	1.44036697	0.940367
A_51_P2677	139.4	Detected	114.5	Detected	128.3	Detected	184.3	Detected	Gkn3	1.322094692	0.92037303	1.60960699	1.120524
A_52_P6190	367.7	Detected	367.4	Detected	334	Detected	486.1	Detected	Atp8b5	1.322001632	0.9083492	1.32308111	0.9090909
A_55_P2027	29454.3	Detected	26125.4	Detected	27256.8	Detected	38937.6	Detected	Mrps18c	1.321966572	0.9253929	1.49041163	1.0433065
A_55_P2093	1286.8	Detected	1503.3	Detected	1507.4	Detected	1701.1	Detected	Mphosph10	1.321961455	1.17143301	1.1315772	1.0027273
A_55_P2009	455	Detected	379.9	Detected	480.5	Detected	601.4	Detected	Stxbp3a	1.321758242	1.05604396	1.58304817	1.2648065
A_55_P2061	21653.9	Detected	24485.7	Detected	21629.9	Detected	28620.2	Detected	Ing1	1.321711101	0.99889165	1.16885366	0.8833687
A_55_P1980	25.8	Detected	20.3	Detected	19.4	Detected	34.1	Not Detect	Lca5l	1.321705426	0.75193798	1.67980296	0.955665
A_52_P2649	4923	Detected	5553.4	Detected	6036.8	Detected	6506.3	Detected	Cab39l	1.321612838	1.22624416	1.17158858	1.0870458
A_55_P2110	19804.7	Detected	22812.1	Detected	21752.2	Detected	26173	Detected	Lmo7	1.321554984	1.09833524	1.14732971	0.9535378
A_55_P2049	101.1	Detected	162	Detected	88.7	Detected	133.6	Detected	Plvap	1.321463897	0.87734916	0.82469136	0.5475309
A_55_P2129	67.2	Detected	55.5	Detected	68.6	Detected	88.8	Detected	Sh3pxd2a	1.321428571	1.02083333	1.6	1.236036
A_66_P1408	3122.7	Detected	1852.1	Detected	3050.1	Detected	4126	Detected	Prr24	1.321292471	0.97675089	2.22774148	1.6468333
A_51_P2304	4885.3	Detected	1555.1	Detected	6108.7	Detected	6454.8	Detected	Ppfibp2	1.321269932	1.25042474	4.15072986	3.9281718
A_51_P1674	102.1	Detected	76.8	Detected	90.8	Detected	134.9	Detected	Herc1	1.321253673	0.88932419	1.75651042	1.1822917
A_55_P2154	150.4	Detected	411.1	Detected	103	Detected	198.7	Detected	Acap1	1.321143617	0.68484043	0.48333739	0.2505473
A_51_P1772	138.3	Detected	151.5	Detected	112.5	Detected	182.7	Detected	Stac3	1.321041215	0.81344902	1.20594059	0.7425743
A_55_P2177	35.2	Detected	51	Detected	42.7	Detected	46.5	Detected	B130024G19Rik	1.321022727	1.21306818	0.91176471	0.8372549
A_55_P1998	15688.1	Detected	17324.4	Detected	19273.6	Detected	20723.5	Detected	Chchd3	1.320969397	1.22854903	1.19620304	1.1125118
A_51_P2536	2731.3	Detected	2527.9	Detected	3003.4	Detected	3607.8	Detected	Rpain	1.320909457	1.09962289	1.42719253	1.1881008
A_55_P2275	1695.8	Detected	1744.5	Detected	1803.5	Detected	2239.9	Detected	Nrap	1.320851516	1.06350985	1.28397822	1.0338206
A_55_P2165	2271.8	Detected	2481.6	Detected	1698.1	Detected	3000.7	Detected	Aebp2	1.320846906	0.74746897	1.20917956	0.6842763
A_55_P2130	228.8	Detected	230.8	Detected	206.9	Detected	302.2	Detected	Kcnab1	1.320804196	0.90428322	1.30935875	0.8964471
A_51_P5056	63.6	Detected	58.1	Detected	42.4	Detected	84	Detected	Noxred1	1.320754717	0.66666667	1.44578313	0.7297762
A_55_P2100	50.2	Detected	53.8	Detected	73	Detected	66.3	Detected	L1cam	1.320717131	1.45418327	1.23234201	1.3568773
A_55_P2047	302.9	Detected	322.7	Detected	280.4	Detected	400	Detected	Gjc2	1.320567844	0.92571806	1.23954137	0.8689185
A_55_P1959	1227.4	Detected	1627.6	Detected	1526.2	Detected	1620.8	Detected	Lrrfip1	1.32051491	1.24344142	0.99582207	0.9376997
A_55_P1955	34859	Detected	41236.6	Detected	34146.9	Detected	46029.7	Detected	Atad3a	1.320453828	0.97957199	1.11623412	0.8280726
A_55_P2099	15671.5	Detected	15670.2	Detected	16406.4	Detected	20693	Detected	Micu1	1.320422423	1.04689404	1.32053197	1.0469809
A_66_P1285	194.5	Detected	409.9	Detected	71.2	Detected	256.8	Detected	Isg15	1.320308483	0.36606684	0.62649427	0.1737009

A_55_P2181	58.7 Detected	74.7 Detected	82.2 Detected	77.5 Detected	Stpg2	1.320272572	1.40034072	1.03748327	1.1004016
A_55_P2155	8540.8 Detected	8020.4 Detected	8305 Detected	11276 Detected	Dock3	1.32025103	0.97239135	1.40591492	1.0354845
A_55_P2397	50.9 Detected	45.1 Detected	50.1 Detected	67.2 Detected	AI428406	1.320235756	0.98428291	1.49002217	1.1108647
A_51_P3582	26505.7 Detected	34691 Detected	34596.5 Detected	34993.7 Detected	Serinc1	1.320233006	1.30524755	1.00872561	0.997276
A_55_P2118	3020.2 Detected	5554.9 Detected	3432 Detected	3987.3 Detected	Rcor2	1.320210582	1.13634859	0.7177987	0.6178329
A_52_P5275	2559 Detected	2720.6 Detected	2255.7 Detected	3378.4 Detected	Helb	1.320203204	0.88147714	1.2417849	0.8291186
A_55_P2017	218.3 Detected	192.2 Detected	283.3 Detected	288.2 Detected	Gnb1l	1.320201557	1.29775538	1.49947971	1.4739854
A_52_P3412	2943.9 Detected	3404.6 Detected	3754.6 Detected	3886.5 Detected	Med17	1.320187506	1.275383	1.14154379	1.1028021
A_55_P2411	7171.4 Detected	6237 Detected	6212.7 Detected	9467.4 Detected	B230213L16Rik	1.320160638	0.8663162	1.51794132	0.9961039
A_55_P2178	961.9 Detected	1010.9 Detected	953.7 Detected	1269.8 Detected	Cul4a	1.320095644	0.99147521	1.25610842	0.9434168
A_51_P1592	1158 Detected	1424.6 Detected	1373.5 Detected	1528.6 Detected	Bud13	1.320034542	1.18609672	1.07300295	0.9641303
A_55_P2180	732.5 Detected	662.1 Detected	814.6 Detected	966.9 Detected	Sik3	1.32	1.11208191	1.46035342	1.2303277
A_55_P1989	5680.8 Detected	3724.7 Detected	4820.5 Detected	7497.3 Detected	Lin54	1.319761301	0.84856006	2.0128601	1.2941982
A_51_P2722	122.3 Detected	106.2 Detected	119.6 Detected	161.4 Detected	Tmem89	1.319705642	0.97792314	1.51977401	1.126177
A_52_P3817	242.8 Detected	396.3 Detected	8 Not Detect	320.4 Detected	Neto2	1.319604613	0.03294893	0.80847843	0.0201867
A_52_P2377	177.2 Detected	292 Detected	212.7 Detected	233.8 Detected	Slc19a1	1.319413093	1.2003386	0.80068493	0.7284247
A_55_P2086	509.8 Detected	531.2 Detected	420.6 Detected	672.6 Detected	Nfib	1.319340918	0.82502942	1.26618976	0.7917922
A_52_P1509	90.5 Detected	80.3 Detected	106.3 Detected	119.4 Detected	Txndc11	1.319337017	1.17458564	1.48692403	1.3237858
A_51_P2483	89.9 Detected	92.1 Detected	104.7 Detected	118.6 Detected	Zfp618	1.319243604	1.16462736	1.28773073	1.1368078
A_55_P2159	1875.6 Detected	3160.6 Detected	1162.7 Detected	2474.2 Detected	Fam160a1	1.319151205	0.6199083	0.78282605	0.3678732
A_55_P2034	166.7 Detected	190.7 Detected	235.1 Detected	219.9 Detected	Hrh1	1.319136173	1.41031794	1.15312008	1.2328264
A_55_P1965	50830.4 Detected	63142.4 Detected	56762 Detected	67037.5 Detected	Bud31	1.318846596	1.11669395	1.06168755	0.8989522
A_55_P1999	6.9 Not Detect	10.1 Not Detect	20.1 Detected	9.1 Not Detect	Pi16	1.31884058	2.91304348	0.9009901	1.990099
A_55_P2106	3769.3 Detected	4192.2 Detected	3782.8 Detected	4970.2 Detected	Mbnl2	1.318600271	1.00358157	1.18558275	0.9023424
A_51_P2445	2317.8 Detected	2137 Detected	2161.9 Detected	3056.2 Detected	Rab3gap2	1.318577962	0.93273794	1.4301357	1.0116518
A_51_P3772	628 Detected	669.6 Detected	558.8 Detected	828 Detected	Caap1	1.318471338	0.88980892	1.23655914	0.8345281
A_66_P1376	58.1 Detected	72.4 Detected	54 Detected	76.6 Detected	Fam166b	1.318416523	0.92943201	1.05801105	0.7458564
A_55_P2012	42.4 Detected	39.8 Detected	44.5 Detected	55.9 Detected	Ooep	1.318396226	1.0495283	1.40452261	1.1180905
A_55_P2108	69.1 Detected	74.8 Detected	69.1 Detected	91.1 Detected	Kcnp3	1.318379161	1	1.21791444	0.9237968
A_55_P2124	304.4 Detected	384.3 Detected	348.2 Detected	401.3 Detected	Cep41	1.318331143	1.14388962	1.04423627	0.906063
A_55_P2119	71 Detected	51.1 Detected	92.8 Detected	93.6 Detected	Gnal	1.318309859	1.30704225	1.83170254	1.816047
A_51_P2929	7658.8 Detected	8415 Detected	6534.1 Detected	10096.3 Detected	Eil	1.318261346	0.85314932	1.19979798	0.7764825
A_51_P4668	11197.9 Detected	11328.4 Detected	11044.9 Detected	14761.2 Detected	Sbds	1.31821145	0.98633672	1.30302602	0.9749744
A_51_P4714	17.6 Detected	10.4 Not Detect	10.3 Not Detect	23.2 Not Detect	Sult5a1	1.318181818	0.58522727	2.23076923	0.9903846
A_55_P2118	44 Detected	44.1 Detected	39 Detected	58 Detected	Gm10046	1.318181818	0.88636364	1.31519274	0.8843537
A_55_P1957	1493.5 Detected	1506 Detected	3001.8 Detected	1968.7 Detected	Ensa	1.318178775	2.00990961	1.30723772	1.9932271
A_52_P1270	969.2 Detected	1086.2 Detected	706.4 Detected	1277.5 Detected	Tnks	1.3180974	0.72884853	1.17611858	0.6503406
A_55_P1952	2097.3 Detected	1839.3 Detected	2000.6 Detected	2764.4 Detected	Odf2	1.318075621	0.9538931	1.50296308	1.0876964
A_55_P2060	82910.1 Detected	110280.8 Detected	85272.7 Detected	109277.3 Detected	Ddx39	1.318021568	1.02849593	0.9909005	0.7732325
A_55_P1992	262.4 Detected	252.5 Detected	336.3 Detected	345.8 Detected	5830418K08Rik	1.317835366	1.2816311	1.36950495	1.3318812

A_51_P3644	3194.8	Detected	3162.8	Detected	3077	Detected	4209.8	Detected	Vamp7	1.317703769	0.96312758	1.33103579	0.9728721
A_51_P2614	5773.7	Detected	6588.1	Detected	5352.3	Detected	7607.8	Detected	Mlx	1.317664583	0.92701387	1.15477907	0.8124194
A_55_P2116	25164.4	Detected	26602	Detected	26717.1	Detected	33152.9	Detected	Aim1	1.317452433	1.06170225	1.24625592	1.0043267
A_51_P3813	109706.2	Detected	133910.1	Detected	115353.4	Detected	144529.3	Detected	Ndufa13	1.31742144	1.05147567	1.07930096	0.8614242
A_51_P1575	1369.6	Detected	2020	Detected	1226.7	Detected	1804	Detected	E2f4	1.317172897	0.89566297	0.89306931	0.6072772
A_55_P1982	61.2	Detected	61.3	Detected	58.4	Detected	80.6	Detected	Grip1	1.316993464	0.95424837	1.31484502	0.9526917
A_55_P1957	5110	Detected	8059.4	Detected	6561.4	Detected	6729.1	Detected	Krr1	1.316849315	1.28403131	0.83493808	0.8141301
A_51_P3955	14278.9	Detected	13892.2	Detected	21741	Detected	18800.8	Detected	Vkorc1	1.316684058	1.52259628	1.35333496	1.5649789
A_55_P2053	530.5	Detected	658.2	Detected	588.8	Detected	698.5	Detected	Gng4	1.316682375	1.10989632	1.06122759	0.8945609
A_66_P1191	16014.1	Detected	14738.3	Detected	15840.9	Detected	21083.8	Detected	Dusp3	1.316577266	0.98918453	1.43054491	1.0748119
A_66_P1120	531.7	Detected	509.5	Detected	378.7	Detected	700	Detected	Olf1r1252	1.316531879	0.71224375	1.37389598	0.7432777
A_66_P1087	32740.6	Detected	33053.8	Detected	22656.7	Detected	43103.2	Detected	Oxct1	1.316506112	0.69200626	1.30403161	0.6854492
A_55_P2052	870.9	Detected	476.5	Detected	933.1	Detected	1146.5	Detected	Akap13	1.316454243	1.07142037	2.40608604	1.9582371
A_55_P2128	1209.1	Detected	1582.4	Detected	2081.3	Detected	1591.7	Detected	Hsf2	1.316433711	1.721363	1.00587715	1.3152806
A_55_P2065	3289.2	Detected	3092.4	Detected	2454.9	Detected	4330	Detected	Hook3	1.316429527	0.7463517	1.40020696	0.7938494
A_55_P2012	9333.2	Detected	10846.1	Detected	11466.3	Detected	12286.1	Detected	Impa1	1.316386663	1.22854969	1.13276662	1.0571818
A_55_P2094	55	Detected	69.1	Detected	48.6	Detected	72.4	Detected	Gzma	1.316363636	0.88363636	1.04775687	0.7033285
A_55_P2038	1825.9	Detected	2286.3	Detected	2056.4	Detected	2403.5	Detected	6-Mar	1.316337149	1.12623911	1.05126186	0.8994445
A_52_P5178	8144.6	Detected	6638.6	Detected	9322	Detected	10721	Detected	Man2c1	1.316332294	1.14456204	1.61494894	1.4042117
A_52_P1896	1725.1	Detected	1656.4	Detected	1912.3	Detected	2270.8	Detected	Armc8	1.316329488	1.10851545	1.3709249	1.1544917
A_55_P2454	3026.8	Detected	3294.2	Detected	3286.5	Detected	3984.1	Detected	Amn1	1.316274613	1.08580019	1.20942869	0.9976626
A_52_P5611	134.4	Detected	129.9	Detected	239.1	Detected	176.9	Detected	Dennd5b	1.316220238	1.77901786	1.36181678	1.8406467
A_55_P2055	2377.1	Detected	2321.4	Detected	2287.2	Detected	3128.7	Detected	Gpn2	1.316183585	0.96218081	1.34776428	0.9852675
A_55_P1965	80250.3	Detected	90556.6	Detected	95206.6	Detected	105621.5	Detected	Uqcrh	1.316150843	1.18637064	1.16635894	1.0513491
A_55_P1967	1637.4	Detected	2922.9	Detected	1967.2	Detected	2154.5	Detected	Pemt	1.315805545	1.20141688	0.7371104	0.6730302
A_52_P5508	6261	Detected	7769.8	Detected	7305.8	Detected	8237.8	Detected	Desi2	1.315732311	1.1668743	1.06023321	0.9402816
A_51_P3293	25723.5	Detected	31897.2	Detected	34017	Detected	33835.8	Detected	Snrnp25	1.315365327	1.32240947	1.06077649	1.0664572
A_51_P3959	14112.1	Detected	22746.3	Detected	18733.3	Detected	18562.5	Detected	Uchl4	1.315360577	1.32746367	0.81606679	0.8235757
A_55_P2127	133.5	Detected	139.9	Detected	150.3	Detected	175.6	Detected	Ccl19	1.315355805	1.1258427	1.25518227	1.0743388
A_55_P2101	26015.1	Detected	31254.7	Detected	27487.9	Detected	34219	Detected	Ncaph2	1.315351469	1.05661327	1.09484334	0.8794805
A_55_P2149	169.4	Detected	205.2	Detected	212.9	Detected	222.8	Detected	2810410L24Rik	1.315230224	1.25678867	1.08576998	1.0375244
A_55_P1990	30404.1	Detected	34329.3	Detected	27592.1	Detected	39987.8	Detected	Fnta	1.315210777	0.90751247	1.16483004	0.8037478
A_51_P1207	292.2	Detected	245.5	Detected	263.2	Detected	384.3	Detected	Magea7-ps	1.315195072	0.90075291	1.56537678	1.0720978
A_55_P2016	947.7	Detected	1036.7	Detected	996	Detected	1246.4	Detected	Kif3c	1.31518413	1.0509655	1.20227645	0.9607408
A_55_P2070	77.1	Detected	80.9	Detected	16.6	Not Detect	101.4	Detected	Itpkb	1.315175097	0.2153048	1.25339926	0.2051916
A_55_P1985	21584	Detected	7647.2	Detected	30846.3	Detected	28386.5	Detected	Abcc3	1.31516401	1.42912806	3.71201224	4.0336725
A_55_P2030	16.5	Detected	26.5	Detected	23.7	Detected	21.7	Not Detect	Gm5796	1.315151515	1.43636364	0.81886792	0.8943396
A_55_P2168	40.3	Detected	66.5	Detected	36.6	Detected	53	Detected	Banf2	1.315136476	0.90818859	0.79699248	0.5503759
A_51_P3698	1663.1	Detected	2046.2	Detected	2420	Detected	2187.2	Detected	Zfp410	1.315134388	1.45511394	1.06890822	1.1826801
A_55_P2183	89.5	Detected	86.3	Detected	78.4	Detected	117.7	Detected	Tmem201	1.315083799	0.87597765	1.36384705	0.9084589

A_51_P5160	126	Detected	119.8	Detected	125.8	Detected	165.7	Detected	Dntt	1.315079365	0.9984127	1.38313856	1.0500835
A_51_P3208	5321.1	Detected	6173.3	Detected	7254.2	Detected	6996.8	Detected	Cln5	1.314916089	1.36328955	1.13339705	1.1750927
A_55_P2117	12490.6	Detected	15063.5	Detected	14901.7	Detected	16422.1	Detected	Snrnp25	1.314756697	1.19303316	1.09019152	0.9892588
A_55_P2020	157.9	Detected	130.8	Detected	120.7	Detected	207.6	Detected	2-Mar	1.314756175	0.76440785	1.58715596	0.9227829
A_52_P3093	285.4	Detected	505.5	Detected	437	Detected	375.2	Detected	Metap2	1.314646111	1.5311843	0.74223541	0.8644906
A_51_P2632	989.3	Detected	872	Detected	1224.3	Detected	1300.5	Detected	Taf5	1.314565855	1.2375417	1.49139908	1.4040138
A_66_P1409	6955.8	Detected	11929.2	Detected	10114.4	Detected	9143.4	Detected	Rpl15	1.314500129	1.45409586	0.76647219	0.8478691
A_51_P1767	5760.1	Detected	4946.9	Detected	9052.1	Detected	7571.6	Detected	Atxn7l3b	1.314491068	1.57151786	1.5305747	1.829853
A_55_P1965	473.5	Detected	510.6	Detected	439.2	Detected	622.4	Detected	Syt6	1.314466737	0.92756072	1.21895809	0.8601645
A_51_P1804	14785.3	Detected	15047.7	Detected	16228.3	Detected	19434.5	Detected	Crk	1.314447458	1.09759694	1.29152628	1.0784572
A_55_P2097	7901.3	Detected	7160.8	Detected	8327.8	Detected	10385.6	Detected	Nudt4	1.314416615	1.05397846	1.45034074	1.1629706
A_66_P1280	341239.8	Detected	351213.2	Detected	399542.7	Detected	448490.9	Detected	Krt8	1.314298332	1.1708561	1.27697621	1.1376073
A_55_P2297	6622.8	Detected	5768.4	Detected	5232.5	Detected	8704	Detected	Ago2	1.31424775	0.79007368	1.50891062	0.9070973
A_55_P1966	21128.3	Detected	29059.3	Detected	22197.2	Detected	27767.3	Detected	Ctu2	1.314223104	1.05059091	0.95553919	0.7638587
A_55_P2097	102.5	Detected	104.5	Detected	75.4	Detected	134.7	Detected	Uap1	1.314146341	0.73560976	1.28899522	0.7215311
A_55_P2104	568.9	Detected	543.8	Detected	461.2	Detected	747.6	Detected	Utf1	1.314114959	0.81068729	1.37477014	0.8481059
A_55_P2006	3910.4	Detected	3145.7	Detected	3933.2	Detected	5138.2	Detected	Myo5a	1.313983224	1.00583061	1.63340433	1.2503417
A_66_P1213	158683.3	Detected	158425.3	Detected	177317.8	Detected	208499.1	Detected	Gars	1.313932216	1.11743202	1.31607199	1.1192518
A_51_P1350	6033	Detected	6309.4	Detected	8069.5	Detected	7926.9	Detected	Zfp212	1.313923421	1.33756009	1.25636352	1.2789647
A_66_P1056	53.2	Detected	44.2	Detected	30.7	Detected	69.9	Detected	Trim34a	1.313909774	0.57706767	1.58144796	0.6945701
A_51_P3522	649.3	Detected	644.4	Detected	842	Detected	853.1	Detected	Cyb561d1	1.313876482	1.29678115	1.32386716	1.3066418
A_55_P2078	23.9	Detected	22.6	Detected	15	Not Detect	31.4	Not Detect	1700020114Rik	1.313807531	0.62761506	1.38938053	0.6637168
A_55_P2008	63.1	Detected	64.5	Detected	63.9	Detected	82.9	Detected	Nnt	1.313787639	1.01267829	1.28527132	0.9906977
A_65_P1818	415.1	Detected	441.6	Detected	505	Detected	545.3	Detected	Runx2	1.313659359	1.21657432	1.2348279	1.1435688
A_55_P2015	5181.9	Detected	6441.4	Detected	7022.4	Detected	6807.2	Detected	Atg5	1.313649434	1.3551786	1.0567889	1.0901978
A_55_P2252	44	Detected	49.2	Detected	35	Detected	57.8	Detected	3426406K10Rik	1.313636364	0.79545455	1.17479675	0.7113821
A_52_P6804	16640.1	Detected	18872.3	Detected	21708.7	Detected	21858.4	Detected	Pdcd10	1.313597875	1.30460153	1.15822661	1.1502943
A_52_P2729	617.5	Detected	595.5	Detected	563.7	Detected	811.1	Detected	Ccnh	1.313522267	0.91287449	1.3620487	0.9465995
A_66_P1301	633.3	Detected	816.6	Detected	740	Detected	831.8	Detected	Ube2t	1.313437549	1.16848255	1.01861376	0.9061964
A_51_P3608	1343.6	Detected	1400.9	Detected	1786.3	Detected	1764.7	Detected	Zfp266	1.31341173	1.32948794	1.2596902	1.2751089
A_51_P1799	582	Detected	593.5	Detected	555.7	Detected	764.4	Detected	Igdcc3	1.313402062	0.954811	1.28795282	0.93631
A_55_P2185	657.8	Detected	745.4	Detected	653.1	Detected	863.9	Detected	Mettl7a3	1.313317118	0.99285497	1.15897505	0.8761739
A_55_P2004	334	Detected	395.9	Detected	325.9	Detected	438.6	Detected	Ass1	1.313173653	0.9757485	1.10785552	0.8231877
A_55_P2154	1817	Detected	1762.7	Detected	1772.9	Detected	2385.6	Detected	Ccdc28a	1.312933407	0.97572922	1.35337834	1.0057866
A_55_P2117	32.6	Detected	41.5	Detected	17.5	Not Detect	42.8	Not Detect	Cacng7	1.312883436	0.53680982	1.0313253	0.4216867
A_51_P3747	13122.2	Detected	12037.7	Detected	13989.3	Detected	17226.8	Detected	Epn3	1.312798159	1.06607886	1.43107072	1.162124
A_55_P2136	51.8	Detected	62.4	Detected	47.1	Detected	68	Detected	Cnn3	1.312741313	0.90926641	1.08974359	0.7548077
A_52_P5977	34457	Detected	40948.8	Detected	40060.3	Detected	45228.8	Detected	Gprc5a	1.312615724	1.16261718	1.10452077	0.9783022
A_55_P2110	9.6	Not Detect	34.9	Detected	38.5	Detected	12.6	Not Detect	C1qtnf6	1.3125	4.01041667	0.36103152	1.1031519
A_55_P2234	1154.1	Detected	865.8	Detected	890.3	Detected	1514.7	Detected	Spice1	1.312451261	0.77142362	1.74948025	1.0282975

A_55_P2418	69.8	Detected	89.6	Detected	115.1	Detected	91.6	Detected	4732416N19Rik	1.312320917	1.64899713	1.02232143	1.2845982
A_51_P4908	6914.2	Detected	7323.2	Detected	9123.6	Detected	9073.5	Detected	Me2	1.312299326	1.31954528	1.23900754	1.2458488
A_66_P1289	978.1	Detected	828.2	Detected	759.7	Detected	1283.5	Detected	Pml	1.312238012	0.77670995	1.54974644	0.9172905
A_55_P2055	520.2	Detected	513.2	Detected	454.9	Detected	682.6	Detected	Gm5878	1.31218762	0.87447136	1.33008574	0.8863991
A_66_P1325	74924.1	Detected	69814.8	Detected	82989.4	Detected	98311.4	Detected	Scamp3	1.312146559	1.10764627	1.4081742	1.1887078
A_51_P4703	909.8	Detected	1042.8	Detected	1039.4	Detected	1193.7	Detected	Cby1	1.312046604	1.14244889	1.14470656	0.9967395
A_52_P1287	68147.8	Detected	79057.8	Detected	71225.9	Detected	89402.7	Detected	Hspa8	1.311894148	1.045168	1.13085236	0.9009345
A_55_P1952	372.6	Detected	513.3	Detected	381.5	Detected	488.8	Detected	Fgd6	1.311862587	1.02388621	0.95226963	0.7432301
A_55_P2128	31423.7	Detected	37134.2	Detected	38956.3	Detected	41222.6	Detected	Selk	1.311831516	1.23971079	1.11009797	1.049068
A_55_P1992	9213.6	Detected	8927.2	Detected	11565	Detected	12086.6	Detected	LOC101055725	1.311821655	1.25520969	1.35390716	1.295479
A_51_P1566	38088.4	Detected	37358.3	Detected	42205.6	Detected	49962.3	Detected	Glrx5	1.311745833	1.1080959	1.33738152	1.1297516
A_55_P2054	6251.1	Detected	7364.3	Detected	7715.1	Detected	8199.6	Detected	Polr3c	1.31170514	1.23419878	1.11342558	1.0476352
A_52_P3893	5469	Detected	3649.2	Detected	6511.7	Detected	7172.9	Detected	Snap29	1.311556043	1.19065643	1.9656089	1.7844185
A_52_P1163	1194.1	Detected	1174.5	Detected	1724.6	Detected	1566.1	Detected	Ppp1r15b	1.311531698	1.44426765	1.33341848	1.4683695
A_55_P2345	12.2	Not Detect	18.6	Detected	10.6	Not Detect	16	Not Detect	1700003P14Rik	1.31147541	0.86885246	0.86021505	0.5698925
A_52_P4441	8376.2	Detected	5634.8	Detected	10244.6	Detected	10984.7	Detected	Rab11a	1.311418065	1.22306058	1.9494392	1.8180947
A_52_P1756	651	Detected	565.7	Detected	684.7	Detected	853.7	Detected	Gm13023	1.311367127	1.05176651	1.50910377	1.2103588
A_55_P2062	597.7	Detected	569.6	Detected	594.6	Detected	783.8	Detected	4932438A13Rik	1.311360214	0.99481345	1.37605337	1.0438904
A_55_P2407	121.1	Detected	161.3	Detected	135	Detected	158.8	Detected	Tomm20l	1.311312964	1.11478117	0.98450093	0.8369498
A_51_P1287	580.1	Detected	522.8	Detected	560.5	Detected	760.6	Detected	Zfp84	1.311153249	0.96621272	1.45485845	1.0721117
A_55_P2246	1075.1	Detected	966.3	Detected	709.2	Detected	1409.6	Detected	9330159M07Rik	1.311133848	0.65965957	1.45876022	0.7339336
A_51_P4502	789.8	Detected	920.8	Detected	723.1	Detected	1035.5	Detected	Thap3	1.311091416	0.91554824	1.1245656	0.7852954
A_55_P1969	19384.4	Detected	11541.1	Detected	16868.1	Detected	25413.2	Detected	Pitpnm1	1.31101298	0.87018943	2.20197382	1.4615678
A_55_P2041	79044.2	Detected	95561.1	Detected	110076.3	Detected	103624.6	Detected	Atp5a1	1.310970318	1.39259174	1.08438057	1.1518944
A_52_P3376	38432.7	Detected	47572.3	Detected	39465.2	Detected	50381.9	Detected	Canx	1.310912322	1.02686514	1.05905958	0.8295836
A_55_P2053	92539.9	Detected	87724.8	Detected	89583.1	Detected	121308.6	Detected	Mrfap1	1.310878875	0.96804838	1.38283131	1.0211833
A_51_P2054	8997.4	Detected	9526.6	Detected	10699.8	Detected	11793.9	Detected	Mtmr6	1.310812012	1.18921022	1.23799677	1.1231499
A_52_P1932	5843	Detected	5745.3	Detected	6399.7	Detected	7659	Detected	Trnau1ap	1.310799247	1.0952764	1.33308966	1.1139018
A_51_P3065	77621.1	Detected	67514.2	Detected	93291.9	Detected	101745.4	Detected	Ywhah	1.310795647	1.2018884	1.50702223	1.3818115
A_55_P2132	248.1	Detected	218.9	Detected	264.2	Detected	325.2	Detected	Zfp367	1.31076179	1.06489319	1.48560987	1.2069438
A_55_P2012	459.2	Detected	710.5	Detected	620.3	Detected	601.9	Detected	Bmp8a	1.31075784	1.35082753	0.84714989	0.8730471
A_55_P2162	1952	Detected	1273.5	Detected	1470.5	Detected	2558.5	Detected	Ahnak	1.310706967	0.75332992	2.00903023	1.1546918
A_55_P1982	135.5	Detected	140.5	Detected	170	Detected	177.6	Detected	Ctrb1	1.310701107	1.25461255	1.26405694	1.2099644
A_55_P2295	411.8	Detected	405.9	Detected	336.3	Detected	539.7	Detected	5830427D02Rik	1.310587664	0.81665857	1.32963784	0.8285292
A_51_P4893	3600.5	Detected	3425.1	Detected	4094.3	Detected	4718.5	Detected	Becn1	1.310512429	1.13714762	1.37762401	1.1953812
A_55_P2025	84999.7	Detected	101166.4	Detected	83268.3	Detected	111381.5	Detected	Gins3	1.310375213	0.97963052	1.10097325	0.8230826
A_52_P2416	90919.1	Detected	96023.4	Detected	115004.5	Detected	119136.6	Detected	Mrpl51	1.31035833	1.26491023	1.24070383	1.1976716
A_55_P2330	20.3	Detected	20.5	Detected	10.5	Not Detect	26.6	Not Detect	4930474G06Rik	1.310344828	0.51724138	1.29756098	0.5121951
A_55_P1954	46.4	Detected	61.8	Detected	52.7	Detected	60.8	Detected	Pars2	1.310344828	1.13577586	0.98381877	0.8527508
A_55_P2138	16426	Detected	16092.5	Detected	17396.7	Detected	21520.4	Detected	U2af114	1.310142457	1.05909534	1.33729377	1.081044

A_52_P6778	596	Detected	541.9	Detected	432.5	Detected	780.7	Detected	Trmt44	1.309899329	0.72567114	1.44067171	0.7981177
A_51_P3738	633	Detected	712.1	Detected	591.3	Detected	829.1	Detected	Guca1b	1.309794629	0.93412322	1.16430277	0.8303609
A_55_P2093	12218.1	Detected	16003.8	Detected	12251.3	Detected	16001.7	Detected	Zmpste24	1.309671717	1.00271728	0.99986878	0.7655244
A_55_P1985	124.7	Detected	106.3	Detected	169	Detected	163.3	Detected	Tmem241	1.309542903	1.35525261	1.53621825	1.5898401
A_51_P4098	1720.7	Detected	1294.2	Detected	2082	Detected	2253.3	Detected	Prkar2a	1.309525193	1.20997269	1.74107557	1.6087158
A_52_P4822	13620.8	Detected	14521.4	Detected	19170.3	Detected	17836.3	Detected	Tsen2	1.309489898	1.40742834	1.22827689	1.3201413
A_52_P5932	23619	Detected	42604.3	Detected	25278.7	Detected	30926.7	Detected	Lsm6	1.309399212	1.0702697	0.7259056	0.5933368
A_52_P4203	13735.7	Detected	9727.4	Detected	13571.3	Detected	17985.1	Detected	Apeh	1.309369017	0.98803119	1.84891132	1.3951621
A_51_P1403	3726.1	Detected	4739.9	Detected	7484.8	Detected	4878.4	Detected	Nadsyn1	1.309250959	2.00874909	1.02922003	1.579105
A_52_P1403	5069.1	Detected	3950.3	Detected	5678.1	Detected	6636.7	Detected	Calm3	1.309246217	1.12013967	1.68004962	1.4373845
A_52_P6422	2975	Detected	2409.4	Detected	3577.2	Detected	3894.9	Detected	Mkrn1	1.309210084	1.20242017	1.61654354	1.484685
A_55_P2268	259.8	Detected	362.4	Detected	171.6	Detected	340.1	Detected	Arhgap10	1.309083911	0.66050808	0.93846578	0.4735099
A_65_P1432	217.1	Detected	328.5	Detected	330.3	Detected	284.2	Detected	Atl2	1.309074159	1.5214187	0.8651446	1.0054795
A_55_P2305	404.8	Detected	297.8	Detected	278.1	Detected	529.9	Detected	C81189	1.309041502	0.68700593	1.77938214	0.9338482
A_51_P2338	13802.6	Detected	13013.5	Detected	17475.8	Detected	18067.2	Detected	Tmem126a	1.308970774	1.26612377	1.38834287	1.3428978
A_52_P2460	75.8	Detected	95.3	Detected	125.6	Detected	99.2	Detected	Lrrc40	1.308707124	1.65699208	1.0409234	1.3179433
A_55_P1963	8.1	Not Detect	50.9	Detected	3.8	Not Detect	10.6	Not Detect	Lcn5	1.308641975	0.4691358	0.20825147	0.0746562
A_55_P2088	22218.6	Detected	19249.9	Detected	27919	Detected	29072.3	Detected	Plscr1	1.30846678	1.25655982	1.5102572	1.4503452
A_55_P2092	639	Detected	567.3	Detected	493.7	Detected	836	Detected	Tmco3	1.30829421	0.77261346	1.4736471	0.8702626
A_55_P2117	6194.9	Detected	7348.8	Detected	7624.5	Detected	8104.2	Detected	Rmnd1	1.308205136	1.23077047	1.10279229	1.0375163
A_51_P4382	12210.5	Detected	16859.2	Detected	17832	Detected	15973.3	Detected	Sil1	1.308161009	1.46038246	0.94745302	1.0577014
A_55_P2028	72147.4	Detected	70457	Detected	90411.6	Detected	94378.5	Detected	Hnrnpf	1.308134458	1.25315119	1.33951914	1.2832167
A_55_P2151	13855.5	Detected	20907.8	Detected	12017.1	Detected	18124.6	Detected	Farsa	1.308115911	0.86731623	0.86688222	0.5747664
A_55_P2160	819.6	Detected	1097.8	Detected	966.9	Detected	1072.1	Detected	Tfcp2	1.308077111	1.17972182	0.97658954	0.8807615
A_52_P6258	861	Detected	1068.3	Detected	1164.6	Detected	1126.2	Detected	Tmem209	1.308013937	1.35261324	1.05419826	1.0901432
A_52_P3517	369.8	Detected	469.4	Detected	472	Detected	483.7	Detected	Tfam	1.308004327	1.2763656	1.03046442	1.005539
A_52_P2955	9085.9	Detected	6507.5	Detected	9918.6	Detected	11883.3	Detected	Slc25a28	1.307883644	1.0916475	1.82609297	1.5241798
A_55_P2322	219.9	Detected	147.4	Detected	167.7	Detected	287.6	Detected	4633401B06Rik	1.307867212	0.76261937	1.95115332	1.1377205
A_55_P2061	35133.1	Detected	44415.6	Detected	48170.5	Detected	45948.3	Detected	Atp5d	1.307835062	1.37108596	1.03450815	1.0845401
A_51_P5198	9909.1	Detected	13796.8	Detected	8004.3	Detected	12958.2	Detected	Cherp	1.307707057	0.80777265	0.93921779	0.5801563
A_55_P1956	15574.3	Detected	15819.9	Detected	13159.5	Detected	20365.6	Detected	Atp5g1	1.307641435	0.84494969	1.28734063	0.8318321
A_51_P4004	432	Detected	504.5	Detected	510.1	Detected	564.9	Detected	Agmat	1.307638889	1.18078704	1.1197225	1.0111001
A_52_P5274	28820.7	Detected	25739.6	Detected	37354.1	Detected	37686.8	Detected	D15Erttd621e	1.307629586	1.2960858	1.4641564	1.4512308
A_55_P2116	13645.3	Detected	11687.5	Detected	12365.7	Detected	17841	Detected	Ap2a1	1.307483163	0.90622412	1.52650267	1.0580278
A_66_P1274	4000.5	Detected	2835	Detected	4604.3	Detected	5229.9	Detected	Zfp652	1.307311586	1.15093113	1.8447619	1.6240917
A_55_P2137	14	Detected	109.6	Detected	8.8	Not Detect	18.3	Not Detect	Srgap3	1.307142857	0.62857143	0.1669708	0.080292
A_55_P2112	3022.7	Detected	3312.1	Detected	2183.7	Detected	3950.8	Detected	Crtc1	1.307043372	0.72243359	1.19283838	0.6593098
A_55_P2025	38.8	Detected	40.2	Detected	39.9	Detected	50.7	Not Detect	Fanci	1.306701031	1.02835052	1.26119403	0.9925373
A_55_P2046	4051	Detected	4571.5	Detected	4394.2	Detected	5293.1	Detected	Tvp23b	1.30661565	1.08471982	1.15784753	0.9612162
A_55_P2091	4056.2	Detected	3507.9	Detected	3867.7	Detected	5299.4	Detected	Fnip1	1.306493763	0.95352793	1.51070441	1.1025685

A_66_P1143	38.5 Detected	38.1 Detected	125.8 Detected	50.3 Detected	Ypel2	1.306493506	3.26753247	1.32020997	3.3018373
A_55_P1976	9500.1 Detected	7541.6 Detected	11107.1 Detected	12411.5 Detected	C130074G19Rik	1.306459932	1.16915611	1.6457383	1.4727777
A_55_P2047	24533.8 Detected	31596.5 Detected	22065.9 Detected	32052.1 Detected	Mbtps1	1.306446617	0.89940816	1.01441932	0.6983653
A_55_P2101	135.1 Detected	138.4 Detected	122 Detected	176.5 Detected	L1td1	1.306439674	0.90303479	1.27528902	0.8815029
A_55_P1954	2723.9 Detected	3334.5 Detected	2145.3 Detected	3558.6 Detected	Zfp672	1.306435625	0.78758398	1.06720648	0.6433648
A_51_P1627	594.5 Detected	591 Detected	752.4 Detected	776.5 Detected	Zfp623	1.306139613	1.26560135	1.31387479	1.2730964
A_55_P1998	1001.9 Detected	819.7 Detected	693.5 Detected	1308.6 Detected	Trim16	1.306118375	0.69218485	1.59643772	0.8460412
A_51_P3480	10531.5 Detected	14062.1 Detected	11455.3 Detected	13755.3 Detected	Nudt21	1.306110241	1.0877178	0.97818249	0.8146223
A_55_P2185	66 Detected	62.8 Detected	53.5 Detected	86.2 Detected	Kmt2a	1.306060606	0.81060606	1.37261146	0.8519108
A_55_P1963	2731.9 Detected	3530.9 Detected	2785.8 Detected	3567.9 Detected	Ampd2	1.306014129	1.01972986	1.01047891	0.7889773
A_51_P3626	396 Detected	466.5 Detected	317.7 Detected	517.1 Detected	Spin4	1.305808081	0.80227273	1.10846731	0.6810289
A_55_P2165	324.4 Detected	568.2 Detected	305.3 Detected	423.6 Detected	Fut10	1.305795314	0.94112207	0.74551214	0.5373108
A_55_P1971	2937.7 Detected	2109.1 Detected	3781.2 Detected	3835.8 Detected	Zfp688	1.305715356	1.28712939	1.81869044	1.7928026
A_55_P1965	126 Detected	109.3 Detected	104.5 Detected	164.5 Detected	Fbxl2	1.305555556	0.82936508	1.50503202	0.9560842
A_55_P1987	129.6 Detected	271.3 Detected	120.5 Detected	169.2 Detected	Nav3	1.305555556	0.92978395	0.62366384	0.4441578
A_51_P4061	7.2 Not Detect	26.2 Detected	11.3 Not Detect	9.4 Not Detect	Asb10	1.305555556	1.56944444	0.35877863	0.4312977
A_55_P1991	10.8 Not Detect	6.9 Not Detect	46.8 Detected	14.1 Not Detect	Icos	1.305555556	4.33333333	2.04347826	6.7826087
A_55_P1979	39373.9 Detected	50870.8 Detected	54766.9 Detected	51403.6 Detected	Uqcr11	1.305524726	1.39094425	1.01047359	1.0765881
A_55_P1957	1114.5 Detected	935.5 Detected	1159.4 Detected	1454.9 Detected	Tom1	1.305428443	1.04028712	1.55521112	1.2393373
A_55_P2009	120.5 Detected	97.1 Detected	103.5 Detected	157.3 Detected	Gtpbp3	1.305394191	0.85892116	1.6199794	1.0659114
A_55_P1992	16.7 Detected	35.3 Detected	6.4 Not Detect	21.8 Not Detect	Gpc4	1.305389222	0.38323353	0.61756374	0.1813031
A_55_P2150	26.2 Detected	30.5 Detected	48.6 Detected	34.2 Not Detect	Foxo4	1.305343511	1.85496183	1.12131148	1.5934426
A_51_P2029	6457.2 Detected	8757.4 Detected	5432.5 Detected	8428.6 Detected	Csnk2a2	1.305302608	0.84130893	0.96245461	0.6203325
A_55_P2052	9024.4 Detected	8196.9 Detected	9599.3 Detected	11779.1 Detected	O610009B22Rik	1.305250211	1.06370507	1.43701887	1.1710891
A_55_P2391	39 Detected	45.9 Detected	36.3 Detected	50.9 Detected	C230014O12Rik	1.305128205	0.93076923	1.10893246	0.7908497
A_52_P1045	55.4 Detected	144.5 Detected	67.6 Detected	72.3 Detected	Gm11237	1.305054152	1.22021661	0.50034602	0.4678201
A_55_P2033	33986.3 Detected	46193.7 Detected	43713.3 Detected	44353.3 Detected	Gm6981	1.305034676	1.28620356	0.96015907	0.9463044
A_55_P2043	141 Detected	69.9 Detected	114.3 Detected	184 Detected	A930007A09Rik	1.304964539	0.8106383	2.6323319	1.6351931
A_55_P1991	10967.7 Detected	9498.9 Detected	12866 Detected	14312.3 Detected	Slc25a46	1.30494999	1.17308096	1.50673236	1.3544726
A_55_P2128	5240.9 Detected	5661 Detected	5086.4 Detected	6839.1 Detected	Ubp2l	1.304947623	0.97052033	1.20810811	0.8984985
A_51_P1359	834.7 Detected	1219 Detected	833.9 Detected	1089 Detected	Rnf219	1.304660357	0.99904157	0.89335521	0.6840853
A_55_P2235	27.9 Detected	25.7 Detected	26.8 Detected	36.4 Not Detect	1700069L16Rik	1.304659498	0.96057348	1.41634241	1.0428016
A_55_P2043	54.5 Detected	72.6 Detected	51.4 Detected	71.1 Detected	Gm10071	1.304587156	0.94311927	0.97933884	0.707989
A_55_P2136	787.3 Detected	784.2 Detected	950.7 Detected	1027.1 Detected	Slc36a4	1.304585292	1.20754477	1.30974241	1.2123183
A_55_P1967	24.3 Detected	21.2 Detected	26.4 Detected	31.7 Not Detect	Ankef1	1.304526749	1.08641975	1.49528302	1.245283
A_55_P2091	5071.2 Detected	3501.4 Detected	5067.3 Detected	6615.5 Detected	Tango2	1.304523584	0.99923095	1.8893871	1.4472211
A_55_P2177	218.1 Detected	194.9 Detected	128.9 Detected	284.5 Detected	Evc2	1.304447501	0.5910133	1.45972293	0.6613648
A_55_P2140	180 Detected	191.2 Detected	187.6 Detected	234.8 Detected	Krt31	1.304444444	1.04222222	1.22803347	0.9811715
A_52_P4284	6886 Detected	6350.8 Detected	8053.3 Detected	8982.2 Detected	Rhoa	1.304414755	1.16951786	1.4143415	1.2680765
A_52_P7079	6.9 Not Detect	7.6 Not Detect	19.6 Detected	9 Not Detect	Cxcr5	1.304347826	2.84057971	1.18421053	2.5789474

A_51_P1673	6.9 Not Detect	37.1 Detected	6.4 Not Detect	9 Not Detect	Ptpn7	1.304347826	0.92753623	0.2425876	0.1725067
A_55_P1992	29623.1 Detected	35325 Detected	37265.1 Detected	38638.6 Detected	Tars2	1.304340194	1.25797435	1.09380326	1.0549214
A_55_P1966	58661.1 Detected	63340.2 Detected	49954.3 Detected	76506.4 Detected	Gsr	1.304210115	0.85157455	1.20786483	0.7886666
A_65_P0886	65.1 Detected	108.7 Detected	44.2 Detected	84.9 Detected	Dph5	1.304147465	0.67895545	0.78104876	0.4066237
A_55_P1973	71150.8 Detected	61711.6 Detected	98722.2 Detected	92788.6 Detected	Atp6v1f	1.30411183	1.38750654	1.50358442	1.5997349
A_55_P2091	124412 Detected	169778.3 Detected	162352.4 Detected	162246 Detected	3000002C10Rik	1.304102498	1.30495772	0.9556345	0.9562612
A_51_P2044	24530.8 Detected	34891.3 Detected	25871 Detected	31990.6 Detected	Shcbp1	1.304099336	1.05463336	0.91686466	0.7414742
A_66_P1005	31828.2 Detected	34298.2 Detected	48329 Detected	41506.6 Detected	Ccdc107	1.304082543	1.51843334	1.21016846	1.4090827
A_51_P3313	147 Detected	136.1 Detected	155.2 Detected	191.7 Detected	Gpihbp1	1.304081633	1.05578231	1.40852314	1.140338
A_66_P1194	1156.3 Detected	1222 Detected	1098.3 Detected	1507.9 Detected	Foxk1	1.304073337	0.94984001	1.23396072	0.8987725
A_51_P2141	3224.9 Detected	3170.7 Detected	3548.1 Detected	4205.2 Detected	Stk17b	1.303978418	1.10022016	1.32626865	1.1190273
A_55_P2043	15238.8 Detected	23784.4 Detected	13771.4 Detected	19870.2 Detected	Slc12a4	1.303921569	0.90370633	0.83542995	0.5790098
A_55_P2163	36.2 Detected	34.5 Detected	40.1 Detected	47.2 Detected	LOC101055734	1.303867403	1.10773481	1.36811594	1.1623188
A_66_P1329	144842.8 Detected	174178.6 Detected	148028 Detected	188854.6 Detected	Gm12618	1.30385908	1.02199074	1.08425834	0.8498633
A_55_P2136	42491.7 Detected	83670.8 Detected	44972.3 Detected	55402.6 Detected	Tom20	1.303845222	1.05837846	0.66214976	0.537491
A_51_P4955	123.1 Detected	140.7 Detected	517.4 Detected	160.5 Detected	Tlr1	1.303818034	4.20308692	1.14072495	3.6773276
A_55_P2021	396.3 Detected	422.5 Detected	388.2 Detected	516.7 Detected	Ptcd1	1.303810245	0.97956094	1.22295858	0.9188166
A_55_P2009	17287.4 Detected	17793.5 Detected	26035.3 Detected	22539 Detected	Dpf2	1.303781945	1.50602751	1.26669851	1.4631916
A_55_P2081	651.5 Detected	686.2 Detected	667.2 Detected	849.4 Detected	Rltpr	1.303760553	1.02409823	1.23783154	0.9723113
A_52_P1502	42.8 Detected	42 Detected	41.8 Detected	55.8 Detected	Apom	1.303738318	0.97663551	1.32857143	0.9952381
A_51_P2711	65.2 Detected	86.8 Detected	44.3 Detected	85 Detected	Olf1r166	1.303680982	0.67944785	0.97926267	0.5103687
A_51_P1562	103.4 Detected	119.7 Detected	123.1 Detected	134.8 Detected	F9	1.303675048	1.19052224	1.12614871	1.0284043
A_51_P3156	1355.1 Detected	1327.1 Detected	1636.1 Detected	1766.6 Detected	Nedd1	1.303667626	1.20736477	1.33117323	1.2328385
A_55_P2037	17559.8 Detected	13630.8 Detected	20066 Detected	22891.9 Detected	Plcd3	1.3036538	1.14272372	1.67942454	1.4721073
A_51_P4932	603.7 Detected	680.1 Detected	633.3 Detected	787 Detected	Pex10	1.30362763	1.04903098	1.15718277	0.9311866
A_51_P3411	13509.4 Detected	12828.3 Detected	13341.7 Detected	17610.6 Detected	Iqgap1	1.30358121	0.98758642	1.37279297	1.0400209
A_55_P2345	22.4 Detected	42 Detected	32 Detected	29.2 Not Detect	2510016G02Rik	1.303571429	1.42857143	0.6952381	0.7619048
A_55_P2103	26079.3 Detected	35292.2 Detected	30185.3 Detected	33994.8 Detected	Ptpla	1.303516582	1.15744288	0.96323834	0.8552966
A_55_P2171	3201.6 Detected	2888.9 Detected	3285.3 Detected	4173.1 Detected	Mkrn1	1.303442029	1.02614318	1.44452906	1.1372149
A_51_P2327	924.8 Detected	907.8 Detected	887.4 Detected	1205.4 Detected	Npff	1.303416955	0.95955882	1.32782551	0.9775281
A_55_P2026	79.1 Detected	75.7 Detected	83.3 Detected	103.1 Detected	Vprbp	1.303413401	1.05309735	1.36195509	1.1003963
A_52_P5854	12890.6 Detected	13051.2 Detected	12230.8 Detected	16801.7 Detected	Ptp4a2	1.303407134	0.94881542	1.28736821	0.9371399
A_55_P2201	1206.9 Detected	1422.8 Detected	1110 Detected	1573 Detected	Cyp2r1	1.303339133	0.91971166	1.10556649	0.7801518
A_51_P2667	4430.7 Detected	4273.1 Detected	3608.5 Detected	5774.1 Detected	Mfn2	1.303202654	0.81443113	1.35126723	0.8444689
A_55_P2101	423.6 Detected	407.8 Detected	449.6 Detected	552 Detected	Mrps25	1.303116147	1.06137866	1.35360471	1.1025012
A_52_P6066	1076.2 Detected	1234.7 Detected	900.4 Detected	1402.4 Detected	Tceb3	1.303103512	0.83664746	1.13582247	0.729246
A_55_P1975	179191.1 Detected	216398.9 Detected	178253.8 Detected	233500 Detected	Gm10045	1.30307811	0.99476927	1.07902582	0.8237278
A_51_P4684	1360.1 Detected	2275.6 Detected	1121.6 Detected	1772.2 Detected	S100a3	1.302992427	0.82464525	0.77878362	0.492881
A_55_P1956	114011.7 Detected	137940.3 Detected	114119.4 Detected	148552.8 Detected	LOC100505283	1.302961012	1.00094464	1.07693546	0.8273101
A_55_P2049	229.1 Detected	271.6 Detected	222.9 Detected	298.5 Detected	Gm8149	1.302924487	0.97293758	1.09904271	0.8206922

A_55_P2158	138	Detected	130.9	Detected	193.9	Detected	179.8	Detected	Odf3	1.302898551	1.40507246	1.37356761	1.4812834
A_51_P1605	26294	Detected	21116.2	Detected	45252.9	Detected	34258.3	Detected	Efemp2	1.302894196	1.72103522	1.6223705	2.1430418
A_52_P3720	5489.7	Detected	8196.8	Detected	5758.4	Detected	7152.3	Detected	Ddx21	1.30285808	1.04894621	0.87257222	0.7025181
A_52_P3010	502.9	Detected	806.7	Detected	329.4	Detected	655.2	Detected	Dctd	1.302843508	0.65500099	0.81219784	0.4083302
A_51_P1330	9024.2	Detected	6740.3	Detected	11111.1	Detected	11756.4	Detected	Glyr1	1.30276368	1.23125596	1.74419536	1.6484578
A_55_P2045	467.4	Detected	518.5	Detected	447.6	Detected	608.9	Detected	Mysm1	1.302738554	0.957638	1.17434908	0.8632594
A_55_P2176	4927.8	Detected	5198.4	Detected	5988.4	Detected	6419.6	Detected	Gm4858	1.302731442	1.21522789	1.23491844	1.1519698
A_55_P2011	709.8	Detected	630.1	Detected	692.2	Detected	924.6	Detected	Rnf214	1.302620456	0.97520428	1.46738613	1.0985558
A_55_P2120	160.6	Detected	166.6	Detected	153.8	Detected	209.2	Detected	BC018473	1.302615193	0.95765878	1.25570228	0.9231693
A_51_P2671	5418.4	Detected	4460.4	Detected	5520.5	Detected	7057.8	Detected	Faim	1.302561642	1.0188432	1.58232446	1.2376693
A_52_P1340	4643	Detected	3702.1	Detected	7376.6	Detected	6047.7	Detected	Cyhr1	1.30254146	1.58875727	1.63358634	1.9925448
A_55_P2015	4845	Detected	4662	Detected	4463.6	Detected	6309.4	Detected	Gpn2	1.302249742	0.92127967	1.35336765	0.9574432
A_55_P2013	135.4	Detected	130.7	Detected	133.1	Detected	176.3	Detected	LOC100861916	1.302067947	0.98301329	1.34889059	1.0183627
A_55_P2117	102	Detected	243	Detected	94.6	Detected	132.8	Detected	Vangl2	1.301960784	0.92745098	0.54650206	0.3893004
A_55_P2308	141.1	Detected	145.6	Detected	107.3	Detected	183.7	Detected	A430106A12Rik	1.301913536	0.76045358	1.26167582	0.7369505
A_55_P2416	31.8	Detected	34.9	Detected	24.3	Detected	41.4	Not Detect	Tmem175	1.301886792	0.76415094	1.18624642	0.6962751
A_55_P2080	5801.3	Detected	5525	Detected	6836.2	Detected	7552.5	Detected	Rab7	1.301863375	1.17839105	1.36696833	1.2373213
A_51_P4321	4812.4	Detected	6723.9	Detected	3876.6	Detected	6264.9	Detected	Sap30	1.301824453	0.80554401	0.93173605	0.5765404
A_55_P1980	2303.3	Detected	2134.5	Detected	2013.8	Detected	2998.3	Detected	Zfp488	1.30174098	0.87431077	1.40468494	0.9434528
A_55_P2070	11.6	Not Detect	20	Detected	137.8	Detected	15.1	Not Detect	Cxxc4	1.301724138	11.8793103	0.755	6.89
A_55_P1993	257.9	Detected	197	Detected	237.2	Detected	335.7	Detected	Tbc1d14	1.301667313	0.91973633	1.70406091	1.2040609
A_55_P1969	2358.9	Detected	1726.2	Detected	2217.8	Detected	3070.5	Detected	Slc36a1	1.301666031	0.94018398	1.7787626	1.2847874
A_55_P2071	126.3	Detected	127.9	Detected	71.8	Detected	164.4	Detected	Rasgef1c	1.301662708	0.56848773	1.2853792	0.5613761
A_55_P1997	1349	Detected	1624.4	Detected	1506.5	Detected	1755.8	Detected	Gyltl1b	1.301556709	1.11675315	1.08089141	0.9274194
A_55_P2099	5167.7	Detected	4097.1	Detected	4647.4	Detected	6726	Detected	Irak1	1.301546142	0.89931691	1.64164897	1.1343145
A_55_P2149	288.9	Detected	233.1	Detected	258.6	Detected	376	Detected	Agfg2	1.301488404	0.89511942	1.61304161	1.1093951
A_52_P1995	11527	Detected	12958.9	Detected	8074.4	Detected	15000.9	Detected	Kpna6	1.301370695	0.70047714	1.1575751	0.6230776
A_51_P4317	297.8	Detected	272.2	Detected	439.2	Detected	387.5	Detected	Ndufa3	1.301208865	1.47481531	1.4235856	1.6135195
A_66_P1351	5703.5	Detected	7044.6	Detected	5682.7	Detected	7421.4	Detected	Tmem161a	1.301201017	0.99635312	1.05348778	0.8066746
A_55_P2056	35.2	Detected	37.7	Detected	51.9	Detected	45.8	Not Detect	Tk1	1.301136364	1.47443182	1.21485411	1.3766578
A_51_P2119	5067.2	Detected	4717.7	Detected	7189.5	Detected	6592.8	Detected	Lcmt1	1.301073571	1.41883091	1.39746063	1.5239418
A_55_P1973	163138.4	Detected	183158.7	Detected	151927.6	Detected	212242.6	Detected	Pde4c	1.30099719	0.93128043	1.15879071	0.8294861
A_55_P2086	605.1	Detected	639.4	Detected	585.1	Detected	787.2	Detected	Krt85	1.300941993	0.96694761	1.23115421	0.9150766
A_52_P2582	668.6	Detected	640.6	Detected	615	Detected	869.8	Detected	Proser1	1.300927311	0.91983249	1.35778957	0.9600375
A_55_P2150	3168.1	Detected	3707.6	Detected	2374.9	Detected	4121.4	Detected	Dnajc21	1.300905906	0.74962912	1.11160859	0.6405491
A_51_P1946	571	Detected	833.3	Detected	459.5	Detected	742.8	Detected	Pcid2	1.300875657	0.80472855	0.89139566	0.5514221
A_55_P2174	41.9	Detected	35.5	Detected	57.3	Detected	54.5	Detected	9430038I01Rik	1.30071599	1.36754177	1.53521127	1.6140845
A_55_P2047	3540.1	Detected	4229.1	Detected	4249.3	Detected	4604.6	Detected	Ppih	1.30069772	1.20033332	1.08878958	1.0047764
A_52_P2086	4002.9	Detected	5251.8	Detected	4190.2	Detected	5206.5	Detected	Bms1	1.300682006	1.04679108	0.99137439	0.7978598
A_51_P1200	4501.3	Detected	4025.3	Detected	4825.7	Detected	5854.7	Detected	Snx10	1.300668696	1.07206807	1.45447544	1.1988423

A_52_P3596	338	Detected	505.7	Detected	426.5	Detected	439.6	Detected	Dohh	1.300591716	1.26183432	0.86929009	0.8433854
A_55_P2021	4811.1	Detected	5607.9	Detected	5148.5	Detected	6256.5	Detected	Zfml	1.300430255	1.07012949	1.11565827	0.9180799
A_55_P2019	23.3	Detected	29.4	Detected	29.8	Detected	30.3	Not Detect	Lrrtm1	1.300429185	1.27896996	1.03061224	1.0136054
A_55_P1971	31.3	Detected	21.2	Detected	35.2	Detected	40.7	Not Detect	170002211Rik	1.300319489	1.12460064	1.91981132	1.6603774
A_55_P2016	2133.8	Detected	2133.9	Detected	2178.6	Detected	2774.4	Detected	Nova2	1.300215578	1.02099541	1.30015465	1.0209476
A_55_P2077	354.2	Detected	264.2	Detected	306.7	Detected	460.5	Detected	Vps8	1.300112931	0.86589497	1.74299773	1.160863
A_55_P2117	132.3	Detected	146.9	Detected	142.5	Detected	172	Detected	1700007K09Rik	1.300075586	1.07709751	1.17086453	0.9700477
A_55_P2084	3487.4	Detected	2866.5	Detected	5202	Detected	4533.5	Detected	B4galt6	1.29996559	1.49165567	1.58154544	1.8147567
A_51_P4226	4701	Detected	6193	Detected	5432.8	Detected	6110.8	Detected	Tbpl1	1.29989364	1.15566901	0.98672695	0.8772485
A_51_P3868	5246.9	Detected	4284.7	Detected	6336.7	Detected	6820.2	Detected	Gmppb	1.299853247	1.2077036	1.59175672	1.4789133
A_55_P2145	38361.9	Detected	46368.3	Detected	45866.7	Detected	49863.2	Detected	Atp5f1	1.299810489	1.1956316	1.07537261	0.9891823
A_55_P2035	4127	Detected	4859.6	Detected	5406.3	Detected	5363.5	Detected	Pgap2	1.299612309	1.30998304	1.10369166	1.112499
A_55_P2016	30309.9	Detected	31083.3	Detected	39384.5	Detected	39390.8	Detected	Nfu1	1.29960178	1.29939393	1.2672657	1.267063
A_55_P2168	172382.3	Detected	188573.7	Detected	185679.5	Detected	224022.3	Detected	Tmsb10	1.299566719	1.07713785	1.18798274	0.9846522
A_51_P2999	2183.3	Detected	2886.1	Detected	2468.2	Detected	2837.3	Detected	BC048403	1.299546558	1.13049054	0.98309137	0.8552025
A_55_P2186	4047.6	Detected	3688.8	Detected	7270.1	Detected	5259.4	Detected	Tmem242	1.299387291	1.79615081	1.42577532	1.9708577
A_66_P1306	223.5	Detected	125.7	Detected	207.8	Detected	290.4	Detected	2810408A11Rik	1.299328859	0.92975391	2.31026253	1.6531424
A_66_P1153	11457.3	Detected	18365.6	Detected	10905.5	Detected	14886.6	Detected	Cirh1a	1.299311356	0.95183857	0.81056976	0.5938004
A_51_P3448	5870.4	Detected	8215	Detected	7890.8	Detected	7626.3	Detected	Thop1	1.299110793	1.34416735	0.92833841	0.9605356
A_52_P8903	5026.9	Detected	5135.4	Detected	5157.6	Detected	6530.3	Detected	Tmem251	1.299070998	1.02600012	1.27162441	1.0043229
A_51_P3184	985.9	Detected	1043.3	Detected	1224.7	Detected	1280.7	Detected	Ap1ar	1.299016127	1.24221523	1.22754721	1.1738714
A_55_P2096	30.1	Detected	27.7	Detected	18.3	Not Detect	39.1	Not Detect	Ssxb9	1.299003322	0.60797342	1.41155235	0.6606498
A_55_P2018	17.4	Detected	10.3	Not Detect	15.5	Detected	22.6	Not Detect	Pabpc4l	1.298850575	0.8908046	2.19417476	1.5048544
A_55_P2422	8426.7	Detected	9422.9	Detected	9160.4	Detected	10943.7	Detected	5031425E22Rik	1.298693439	1.08706848	1.16139405	0.9721423
A_55_P2040	4399	Detected	5173.9	Detected	3464.8	Detected	5712.5	Detected	Upf3a	1.298590589	0.78763355	1.10409942	0.6696689
A_55_P2220	314.2	Detected	266.6	Detected	337.9	Detected	408	Detected	4932416H05Rik	1.298535964	1.07542966	1.5303826	1.2674419
A_55_P2326	117.3	Detected	99.3	Detected	90.2	Detected	152.3	Detected	2810405F17Rik	1.298380222	0.76896846	1.53373615	0.9083585
A_51_P2603	985	Detected	833.2	Detected	863.1	Detected	1278.9	Detected	Ikbkg	1.298375635	0.87624365	1.53492559	1.0358857
A_55_P2130	127.7	Detected	144.6	Detected	149.6	Detected	165.8	Detected	Zfp599	1.298355521	1.17149569	1.14661134	1.0345781
A_55_P2016	256.5	Detected	333	Detected	200.7	Detected	333	Detected	Cd22	1.298245614	0.78245614	1	0.6027027
A_55_P2020	98875.2	Detected	104932.1	Detected	121225.6	Detected	128357.4	Detected	Cycc	1.298175882	1.22604657	1.22324246	1.1552766
A_55_P2046	59.7	Detected	59.4	Detected	78	Detected	77.5	Detected	Olf1311	1.298157454	1.30653266	1.3047138	1.3131313
A_52_P3302	8105.5	Detected	7371.6	Detected	6874	Detected	10521.9	Detected	Fanca	1.298118561	0.84806613	1.42735634	0.9324977
A_51_P3284	145.3	Detected	155.9	Detected	154.8	Detected	188.6	Detected	Zfp423	1.298004129	1.06538197	1.20974984	0.9929442
A_55_P2066	26594	Detected	15688.5	Detected	29241.1	Detected	34518.6	Detected	Bcl3	1.297984508	1.09953749	2.20024859	1.8638557
A_66_P1259	22.5	Detected	17.2	Detected	17.2	Detected	29.2	Not Detect	Cntn2	1.297777778	0.76444444	1.69767442	1
A_55_P1988	233.1	Detected	203.2	Detected	185.6	Detected	302.5	Detected	Gm2347	1.297726298	0.7962248	1.4886811	0.9133858
A_55_P2105	83.3	Detected	91.3	Detected	63.5	Detected	108.1	Detected	Ccdc18	1.297719088	0.76230492	1.18400876	0.6955093
A_55_P2103	545.8	Detected	474.4	Detected	714.1	Detected	708.2	Detected	Cox15	1.297544888	1.30835471	1.49283305	1.5052698
A_51_P3222	969.3	Detected	1054.9	Detected	813.5	Detected	1257.7	Detected	Tecpr2	1.297534303	0.83926545	1.19224571	0.7711631

A_55_P1961	134.8	Detected	116.3	Detected	109.4	Detected	174.9	Detected	Grid2ip	1.297477745	0.8115727	1.5038693	0.9406707
A_52_P8789	1108.8	Detected	1005.1	Detected	1229.4	Detected	1438.6	Detected	Fam175b	1.297438672	1.10876623	1.43130037	1.2231619
A_65_P2043	2656.1	Detected	2614.9	Detected	3013.8	Detected	3446.1	Detected	Parppb	1.297428561	1.13467113	1.31787066	1.1525489
A_55_P2036	1706.4	Detected	1873.7	Detected	1906.5	Detected	2213.9	Detected	Med24	1.297409752	1.11726442	1.18156589	1.0175055
A_52_P1310	38	Detected	29.7	Detected	58.9	Detected	49.3	Detected	Krtap8-1	1.297368421	1.55	1.65993266	1.983165
A_51_P2115	1285	Detected	1634	Detected	918.1	Detected	1667.1	Detected	Wdr47	1.297354086	0.71447471	1.02025704	0.5618727
A_51_P3091	3650.6	Detected	4081	Detected	4088.3	Detected	4736.1	Detected	Pxmp2	1.297348381	1.1198981	1.16052438	1.0017888
A_52_P1505	4407.8	Detected	4903.1	Detected	6087.9	Detected	5718.4	Detected	Usp39	1.29733654	1.38116521	1.16628256	1.241643
A_55_P2047	14.8	Detected	10.9	Not Detect	11.7	Not Detect	19.2	Not Detect	Oog4	1.297297297	0.79054054	1.76146789	1.0733945
A_55_P2268	197.5	Detected	216.4	Detected	214.2	Detected	256.2	Detected	9330199G10Rik	1.29721519	1.08455696	1.18391867	0.9898336
A_55_P2132	1800.4	Detected	7741.9	Detected	2309.7	Detected	2335.5	Detected	Ngef	1.297211731	1.28288158	0.30167013	0.2983376
A_51_P3141	2229.2	Detected	2571.6	Detected	3060.1	Detected	2891.7	Detected	Qtrt1	1.297191818	1.37273461	1.12447503	1.1899596
A_66_P1010	59.9	Detected	78.5	Detected	62.4	Detected	77.7	Detected	Tssk4	1.297161937	1.04173623	0.98980892	0.7949045
A_51_P3797	97069.3	Detected	114914.8	Detected	131410.3	Detected	125913.2	Detected	Rpn1	1.297147502	1.35377818	1.09570917	1.1435455
A_55_P2074	105	Detected	96.5	Detected	109.6	Detected	136.2	Detected	Gm7932	1.297142857	1.04380952	1.41139896	1.1357513
A_51_P2548	130.6	Detected	146.6	Detected	104.6	Detected	169.4	Detected	Cyp4a10	1.297090352	0.80091884	1.15552524	0.7135061
A_55_P2094	146.1	Detected	155.8	Detected	226.5	Detected	189.5	Detected	Fgfr2	1.29705681	1.55030801	1.21630295	1.4537869
A_55_P2154	4673.1	Detected	4220.4	Detected	4399.7	Detected	6061	Detected	Smarca4	1.29699771	0.94149494	1.4361198	1.0424841
A_55_P2073	9286.8	Detected	10866.6	Detected	13610.8	Detected	12044.9	Detected	Commd5	1.296991429	1.4656071	1.10843318	1.2525353
A_51_P5209	5432.4	Detected	6084.5	Detected	8995.7	Detected	7045.3	Detected	Bcar3	1.296903763	1.65593476	1.15790944	1.4784617
A_55_P2080	19.2	Detected	15.9	Detected	14.4	Not Detect	24.9	Not Detect	Cmtm5	1.296875	0.75	1.56603774	0.9056604
A_55_P2136	1612.2	Detected	1602.3	Detected	1832.4	Detected	2090.8	Detected	Gm8675	1.296861432	1.13658355	1.30487424	1.1436061
A_52_P6361	11028.6	Detected	10630.9	Detected	11783.9	Detected	14301.9	Detected	Golph3	1.296801045	1.06848557	1.34531413	1.1084574
A_55_P1998	2882.5	Detected	4149	Detected	2450.7	Detected	3738	Detected	Ifi47	1.29679098	0.85019948	0.90093999	0.5906725
A_52_P9140	14974.1	Detected	15670.8	Detected	15676.8	Detected	19417.8	Detected	Zcchc17	1.296759071	1.0469277	1.23910713	1.0003829
A_51_P3780	1757.2	Detected	2074.9	Detected	1835	Detected	2278.5	Detected	Blzf1	1.296665149	1.04427498	1.09812521	0.88438
A_55_P2412	11.8	Not Detect	16.6	Detected	12.1	Not Detect	15.3	Not Detect	2210011G09Rik	1.296610169	1.02542373	0.92168675	0.7289157
A_52_P5876	1423.3	Detected	2093.9	Detected	1402.1	Detected	1845.3	Detected	Ddx19a	1.296494063	0.98510504	0.88127418	0.6696117
A_55_P1965	11049.5	Detected	7885.7	Detected	12409.6	Detected	14323.8	Detected	Naa60	1.296330151	1.12309154	1.8164272	1.573684
A_55_P2013	15.2	Not Detect	27.1	Detected	29.9	Detected	19.7	Not Detect	2410125D13Rik	1.296052632	1.96710526	0.72693727	1.103321
A_52_P5844	876.8	Detected	969.3	Detected	688.1	Detected	1136.2	Detected	Cars2	1.29584854	0.78478558	1.17218611	0.7098937
A_55_P2159	32.8	Detected	37.9	Detected	25.3	Detected	42.5	Not Detect	Pfn2	1.295731707	0.77134146	1.12137203	0.6675462
A_66_P1306	175.5	Detected	178.3	Detected	185.8	Detected	227.4	Detected	Hist1h4h	1.295726496	1.05868946	1.27537858	1.0420639
A_55_P2267	226.9	Detected	205.4	Detected	197	Detected	294	Detected	Rufy2	1.295724989	0.86822389	1.43135346	0.9591042
A_51_P2074	3943.1	Detected	5659.5	Detected	4779.5	Detected	5109.1	Detected	Pwp1	1.295706424	1.21211737	0.90274759	0.8445092
A_55_P1976	5601.9	Detected	6146.4	Detected	6754.3	Detected	7258.3	Detected	Snrnp35	1.295685392	1.20571592	1.18090264	1.0989034
A_55_P2039	18479.2	Detected	21497.7	Detected	21262.6	Detected	23943.1	Detected	Mat2b	1.295678384	1.1506234	1.1137517	0.9890639
A_52_P4065	1393.2	Detected	1328.3	Detected	1659	Detected	1805.1	Detected	Mus81	1.295650301	1.19078381	1.35895506	1.2489648
A_55_P2056	2556.4	Detected	1438.2	Detected	2703.1	Detected	3312.2	Detected	Akap13	1.295650133	1.05738539	2.30301766	1.8795022
A_52_P6281	276.1	Detected	304.1	Detected	270.7	Detected	357.7	Detected	Zfp592	1.295545092	0.98044187	1.17625781	0.8901677

A_55_P2026	187.8	Detected	172.9	Detected	242.7	Detected	243.3	Detected	Fmo5	1.295527157	1.29233227	1.40717178	1.4037016
A_55_P1953	13765.9	Detected	15520.3	Detected	19168.1	Detected	17833.8	Detected	Ece2	1.295505561	1.39243348	1.14906284	1.2350341
A_55_P2065	56.2	Detected	33.9	Detected	28.6	Detected	72.8	Detected	Syt15	1.295373665	0.5088968	2.14749263	0.8436578
A_51_P5130	1393.4	Detected	1249.5	Detected	1514.9	Detected	1804.7	Detected	Rdh13	1.295177264	1.08719678	1.44433774	1.212405
A_55_P2171	112645.4	Detected	151115.5	Detected	129721.5	Detected	145888.9	Detected	Oaz1	1.295116356	1.15159163	0.96541321	0.8584262
A_55_P2013	9188.8	Detected	8732	Detected	10326	Detected	11900.2	Detected	Slc25a19	1.295076615	1.12375936	1.36282639	1.182547
A_55_P2032	126315.7	Detected	160481.3	Detected	137489.5	Detected	163586.8	Detected	Rpl13	1.295063084	1.08845931	1.01935116	0.8567322
A_51_P3928	1284.5	Detected	1375.6	Detected	1788.9	Detected	1663.4	Detected	Pex12	1.294978591	1.39268198	1.2092178	1.3004507
A_52_P1425	1314.1	Detected	1083.8	Detected	1094.2	Detected	1701.6	Detected	Phc3	1.294878624	0.83266114	1.57003137	1.0095959
A_51_P5016	934	Detected	539.4	Detected	1163.3	Detected	1209.4	Detected	Kdelc2	1.294860814	1.24550321	2.24212088	2.1566555
A_51_P2360	3224.5	Detected	2986.1	Detected	3422.6	Detected	4175.2	Detected	Rnf40	1.294836409	1.06143588	1.39821171	1.1461773
A_51_P5081	50.2	Detected	56.3	Detected	54.2	Detected	65	Detected	Trank1	1.294820717	1.07968127	1.15452931	0.9626998
A_55_P2028	1112.3	Detected	1855.8	Detected	1456.3	Detected	1440.2	Detected	Uchl3	1.29479457	1.30926908	0.77605345	0.784729
A_55_P2021	852.6	Detected	812.4	Detected	1028.2	Detected	1103.9	Detected	Ccdc114	1.294745484	1.20595825	1.35881339	1.2656327
A_55_P1953	22.4	Detected	22.5	Detected	31.3	Detected	29	Not Detect	Lrrc4b	1.294642857	1.39732143	1.28888889	1.3911111
A_66_P1053	16.3	Detected	23.8	Detected	16.9	Not Detect	21.1	Not Detect	Cacna2d4	1.294478528	1.03680982	0.88655462	0.710084
A_55_P2107	30852.9	Detected	29622.4	Detected	33229	Detected	39934.1	Detected	Rab5c	1.29433862	1.07701383	1.34810481	1.1217525
A_51_P1768	498.1	Detected	537.9	Detected	651.4	Detected	644.7	Detected	2700050L05Rik	1.29431841	1.30776952	1.19854992	1.2110058
A_66_P1280	48.6	Detected	49.3	Detected	45.1	Detected	62.9	Detected	Map7d2	1.294238683	0.92798354	1.27586207	0.9148073
A_55_P2006	814	Detected	838.2	Detected	938.8	Detected	1053.5	Detected	Pi4kb	1.294226044	1.15331695	1.25685994	1.1200191
A_55_P2077	4144.5	Detected	3288.3	Detected	4507.8	Detected	5363.6	Detected	Oxsr1	1.294148872	1.08765834	1.63111638	1.3708603
A_52_P2511	578.7	Detected	504.8	Detected	752.9	Detected	748.9	Detected	Tmem177	1.294107482	1.30101953	1.48355784	1.4914818
A_51_P2959	218.3	Detected	410.7	Detected	261.4	Detected	282.5	Detected	Proc	1.294090701	1.19743472	0.68785001	0.6364743
A_55_P2147	12508.2	Detected	14990.6	Detected	13951.5	Detected	16186.2	Detected	Ak2	1.294047105	1.11538831	1.07975665	0.9306832
A_52_P4897	91295.4	Detected	104549.1	Detected	113253.5	Detected	118124.7	Detected	Sec61a1	1.293873514	1.24051705	1.12984904	1.0832566
A_55_P1967	85191.3	Detected	68937.2	Detected	100007.6	Detected	110221.9	Detected	Plxnb2	1.293816387	1.17391799	1.59887405	1.4507059
A_55_P2013	185.5	Detected	214.4	Detected	197.2	Detected	240	Detected	Tubg2	1.293800539	1.06307278	1.11940299	0.9197761
A_66_P1287	7035.1	Detected	11070.9	Detected	10614.6	Detected	9101.7	Detected	Nup43	1.293755597	1.50880584	0.82212828	0.9587838
A_55_P2127	12.6	Not Detect	19.1	Detected	15.3	Detected	16.3	Not Detect	6330403A02Rik	1.293650794	1.21428571	0.85340314	0.8010471
A_55_P2164	23.5	Detected	27.2	Detected	20.8	Detected	30.4	Not Detect	5830415F09Rik	1.293617021	0.88510638	1.11764706	0.7647059
A_66_P1249	109	Detected	109.2	Detected	130.3	Detected	141	Detected	Slc36a4	1.293577982	1.19541284	1.29120879	1.1932234
A_55_P1997	436.3	Detected	582.6	Detected	328.9	Detected	564.3	Detected	Zfp68	1.293376117	0.7538391	0.96858908	0.5645383
A_51_P2754	405	Detected	541.2	Detected	397.9	Detected	523.8	Detected	BC026762	1.293333333	0.98246914	0.96784922	0.735218
A_51_P3786	264.9	Detected	273.2	Detected	244.6	Detected	342.6	Detected	Sohlh2	1.293318233	0.92336731	1.25402635	0.8953148
A_55_P2037	28195.7	Detected	33005.8	Detected	28074.4	Detected	36465.5	Detected	Smc4	1.293300042	0.99569793	1.10482097	0.8505899
A_52_P4231	1708.4	Detected	1351.4	Detected	1812.9	Detected	2209.2	Detected	Acaa1b	1.29313978	1.06116834	1.63474915	1.3414977
A_51_P1465	3304.9	Detected	3519.6	Detected	2687.4	Detected	4273.4	Detected	Atp11b	1.293049714	0.81315622	1.21417207	0.7635527
A_55_P2088	1161.3	Detected	1157.5	Detected	957	Detected	1501.4	Detected	Hcn2	1.292861448	0.82407647	1.29710583	0.8267819
A_55_P2003	1986.1	Detected	2511.4	Detected	2412.6	Detected	2567.6	Detected	Pla2g6	1.292784855	1.21474246	1.02237796	0.9606594
A_66_P1208	2171.5	Detected	2352.3	Detected	2354	Detected	2807	Detected	Nfkbib	1.292654847	1.08404329	1.19330017	1.0007227

A_55_P2083	199.6	Detected	151.8	Detected	194.9	Detected	258	Detected	Sp8	1.29258517	0.97645291	1.69960474	1.2839262
A_51_P4732	4709.3	Detected	4705.7	Detected	5790.1	Detected	6087	Detected	Zfp426	1.292548786	1.22950332	1.29353762	1.2304439
A_55_P2139	29.4	Detected	31.8	Detected	30.6	Detected	38	Not Detect	Fgf13	1.292517007	1.04081633	1.19496855	0.9622642
A_55_P2060	8519.6	Detected	9287.1	Detected	11448.5	Detected	11011.7	Detected	3110062M04Rik	1.292513733	1.34378375	1.18569844	1.2327314
A_51_P1892	5250.1	Detected	6774	Detected	6795.1	Detected	6785.7	Detected	4933417G07Rik	1.292489667	1.29428011	1.00172719	1.0031149
A_51_P5028	78015.5	Detected	74222.4	Detected	112006.1	Detected	100824.2	Detected	2200002D01Rik	1.292361133	1.43569034	1.35840663	1.5090606
A_55_P2004	945.2	Detected	1445.1	Detected	1048.7	Detected	1221.5	Detected	Cyb5r1	1.292319086	1.10950063	0.84527022	0.7256937
A_55_P2005	9712.5	Detected	10852.6	Detected	11710.8	Detected	12550.4	Detected	Mbnl1	1.292190476	1.20574517	1.15644177	1.0790778
A_55_P2002	3170.8	Detected	4059	Detected	3185	Detected	4097.2	Detected	Bre	1.292166015	1.00447837	1.00941119	0.784676
A_51_P2290	217.7	Detected	225.5	Detected	328.5	Detected	281.3	Detected	Rhbdd1	1.292145154	1.50895728	1.24745011	1.4567627
A_55_P2064	5319.1	Detected	6849.7	Detected	6121.3	Detected	6873	Detected	Ipo8	1.292135888	1.15081499	1.00340161	0.8936596
A_55_P2058	21152.9	Detected	19699.4	Detected	19106.3	Detected	27332.2	Detected	Cap1	1.29212543	0.90324731	1.38746358	0.9698925
A_66_P1311	402.8	Detected	476.1	Detected	481.5	Detected	520.4	Detected	Zfp473	1.291956306	1.19538232	1.09304768	1.0113422
A_52_P5058	846.2	Detected	754	Detected	980	Detected	1093.2	Detected	Cyb5r4	1.291893169	1.15811865	1.44986737	1.2997347
A_51_P3106	16319.5	Detected	12784.4	Detected	12086.2	Detected	21082.9	Detected	Arsa	1.291883943	0.74059867	1.64911142	0.9453866
A_55_P1952	518.9	Detected	538	Detected	514.9	Detected	670.3	Detected	Cyp4f18	1.291771054	0.99229139	1.24591078	0.9570632
A_55_P2112	688.7	Detected	369.8	Detected	568.9	Detected	889.6	Detected	Slc4a3	1.291709017	0.82604908	2.40562466	1.5383991
A_52_P3742	916.7	Detected	1363	Detected	1081.7	Detected	1184.1	Detected	Tefm	1.291698484	1.17999345	0.86874541	0.793617
A_51_P3060	10465.5	Detected	14022.8	Detected	13434.9	Detected	13517.3	Detected	Sec13	1.291605752	1.28373226	0.96395156	0.9580754
A_51_P4037	1916.3	Detected	1672.4	Detected	1470.5	Detected	2475	Detected	Braf	1.291551427	0.76736419	1.47990911	0.8792753
A_55_P2073	641.9	Detected	640.6	Detected	741.7	Detected	829	Detected	Fgf6	1.291478423	1.15547593	1.29409928	1.1578208
A_51_P1243	173.6	Detected	201.4	Detected	138.6	Detected	224.2	Detected	Olf414	1.291474654	0.7983871	1.11320755	0.6881827
A_52_P4787	1179.3	Detected	1134.9	Detected	1914.3	Detected	1523	Detected	Atg2a	1.291444077	1.62325108	1.34196846	1.6867565
A_55_P2002	534.7	Detected	592.9	Detected	568.8	Detected	690.5	Detected	Zfp619	1.291378343	1.06377408	1.16461461	0.9593523
A_55_P2022	122.2	Detected	97.3	Detected	131.5	Detected	157.8	Detected	Trpc1	1.291325696	1.07610475	1.62178828	1.3514902
A_55_P2335	640.9	Detected	402.3	Detected	664.2	Detected	827.6	Detected	4921531C22Rik	1.291309097	1.03635513	2.05717127	1.6510067
A_55_P1989	310.5	Detected	287.6	Detected	290.1	Detected	400.9	Detected	Tcte1	1.291143317	0.93429952	1.39394993	1.0086926
A_55_P1954	450	Detected	374.2	Detected	343.6	Detected	581	Detected	Wdr44	1.291111111	0.76355556	1.55264564	0.9182255
A_51_P3846	9308.7	Detected	10201.3	Detected	10347.8	Detected	12018.3	Detected	Mrpl10	1.291082536	1.11162676	1.17811455	1.0143609
A_55_P2084	2142.1	Detected	2401	Detected	2330.1	Detected	2765.6	Detected	Zkscan6	1.291069511	1.08776434	1.15185339	0.9704706
A_55_P1992	341.2	Detected	335.9	Detected	375.2	Detected	440.5	Detected	P2rx3	1.291031653	1.0996483	1.3114022	1.1169991
A_55_P2325	95.2	Detected	80.7	Detected	110.1	Detected	122.9	Detected	Cers3	1.290966387	1.15651261	1.52292441	1.3643123
A_51_P2702	1075.6	Detected	975.3	Detected	1065.8	Detected	1388.4	Detected	Dync1li1	1.290814429	0.99088881	1.42356198	1.092792
A_55_P2173	12935.6	Detected	8714.5	Detected	17393.3	Detected	16696.3	Detected	Ctdspl	1.290724821	1.34460713	1.91592174	1.9959034
A_65_P0782	289.3	Detected	349	Detected	261.2	Detected	373.4	Detected	Gm2701	1.290701694	0.90286899	1.06991404	0.7484241
A_55_P2094	633.3	Detected	830.5	Detected	472.5	Detected	817.4	Detected	Scgb2b15	1.290699511	0.7460919	0.98422637	0.5689344
A_55_P2004	60.2	Detected	105.9	Detected	46.4	Detected	77.7	Detected	Klra6	1.290697674	0.77076412	0.73371105	0.4381492
A_51_P3670	38408.7	Detected	50650.4	Detected	39156.5	Detected	49568.1	Detected	Ifrd1	1.290543549	1.01946955	0.97863196	0.7730739
A_55_P2054	9158.6	Detected	9364.6	Detected	12832	Detected	11819.5	Detected	Alg8	1.290535671	1.4010875	1.26214681	1.3702667
A_55_P1961	5027.6	Detected	6070.4	Detected	6646.1	Detected	6488.1	Detected	Mettl3	1.29049646	1.32192299	1.0688093	1.0948372

A_55_P2168	7060.3	Detected	8199.4	Detected	5654.4	Detected	9110.6	Detected	Slc46a1	1.290398425	0.80087248	1.11113008	0.6896114
A_66_P1168	16448.3	Detected	21158.3	Detected	18654.8	Detected	21224.6	Detected	Selt	1.290382593	1.1341476	1.00313352	0.8816776
A_55_P1954	6045.6	Detected	5475	Detected	7362.4	Detected	7800.8	Detected	Btbd10	1.290326849	1.2178113	1.42480365	1.3447306
A_51_P1464	1285.8	Detected	1409.7	Detected	1344.5	Detected	1659.1	Detected	Fam104a	1.290325089	1.04565251	1.17691707	0.953749
A_51_P5084	26.2	Detected	17.4	Detected	17.8	Detected	33.8	Not Detect	Olf103	1.290076336	0.67938931	1.94252874	1.0229885
A_55_P2272	1053.4	Detected	889.4	Detected	1094.7	Detected	1358.9	Detected	Lrrfip2	1.29001329	1.03920638	1.52788397	1.2308298
A_66_P1235	382.1	Detected	344.2	Detected	347	Detected	492.9	Detected	Mog	1.289976446	0.90813923	1.43201627	1.0081348
A_55_P2146	639.7	Detected	825.3	Detected	746.6	Detected	825.1	Detected	Slc2a12	1.289823355	1.16710958	0.99975766	0.9046407
A_55_P2019	2007	Detected	2477.7	Detected	1834.5	Detected	2588.6	Detected	Tmem120b	1.28978575	0.91405082	1.04475925	0.7404044
A_55_P2348	81.1	Detected	91.4	Detected	71.7	Detected	104.6	Detected	1500032F14Rik	1.289765721	0.88409371	1.14442013	0.7844639
A_55_P2034	2122.6	Detected	3690.8	Detected	2026.5	Detected	2737.6	Detected	Terf2	1.289738999	0.95472534	0.74173621	0.549068
A_52_P4048	488.5	Detected	388	Detected	817.3	Detected	630	Detected	Tmem62	1.289662231	1.67308086	1.62371134	2.1064433
A_55_P2054	21849.9	Detected	25299.3	Detected	20206	Detected	28176.2	Detected	Trappc1	1.289534506	0.92476396	1.11371461	0.7986782
A_55_P1965	114713.3	Detected	119767.5	Detected	148440.5	Detected	147922.5	Detected	Uqcrq	1.289497382	1.29401299	1.23508047	1.2394055
A_55_P2162	7.6	Not Detect	18.5	Detected	10.3	Not Detect	9.8	Not Detect	Rtn1	1.289473684	1.35526316	0.52972973	0.5567568
A_52_P1959	39055.7	Detected	52002.7	Detected	36970.4	Detected	50358.4	Detected	Exosc6	1.289399499	0.94660703	0.96838049	0.7109323
A_55_P2133	464.6	Detected	582.2	Detected	615.6	Detected	599	Detected	Tgds	1.289281102	1.32501076	1.02885606	1.0573686
A_52_P5896	386.5	Detected	377.8	Detected	378.8	Detected	498.3	Detected	Zfp846	1.289262613	0.98007762	1.31895183	1.0026469
A_55_P2004	262.8	Detected	251.8	Detected	317.2	Detected	338.8	Detected	Gm10353	1.289193303	1.20700152	1.34551231	1.2597299
A_52_P1373	50.5	Detected	29.1	Detected	42.3	Detected	65.1	Detected	Slc35d1	1.289108911	0.83762376	2.2371134	1.4536082
A_51_P2822	2312.5	Detected	3180.9	Detected	2030.8	Detected	2981	Detected	Snopc1	1.289081081	0.87818378	0.93715615	0.6384357
A_55_P1995	115.9	Detected	119.4	Detected	99.2	Detected	149.4	Detected	Btnl2	1.289042278	0.85591027	1.25125628	0.8308208
A_55_P2144	5705.1	Detected	8089.6	Detected	6586.8	Detected	7353.9	Detected	LOC101055971	1.289004575	1.15454593	0.90905607	0.8142306
A_52_P4044	4320	Detected	3357.4	Detected	4782.2	Detected	5568.2	Detected	Tmem60	1.288935185	1.10699074	1.65848573	1.424376
A_55_P2096	54	Detected	57.6	Detected	40.8	Detected	69.6	Detected	Zfp11	1.288888889	0.75555556	1.20833333	0.7083333
A_55_P2001	1139.6	Detected	867	Detected	708.1	Detected	1468.8	Detected	6330408A02Rik	1.288873289	0.62135837	1.69411765	0.8167243
A_55_P1978	104.9	Detected	143.6	Detected	120.8	Detected	135.2	Detected	H2-Q5	1.28884652	1.15157293	0.94150418	0.8412256
A_52_P4016	6103.9	Detected	8101.4	Detected	5708.7	Detected	7866.6	Detected	Bpgm	1.288782582	0.93525451	0.97101736	0.704656
A_55_P2008	5051.3	Detected	4913.8	Detected	4727.1	Detected	6509.9	Detected	Cltc	1.28875735	0.9358185	1.32481989	0.962005
A_51_P5079	927.7	Detected	1488.4	Detected	958.7	Detected	1195.5	Detected	Brf2	1.288670907	1.03341597	0.8032115	0.6441145
A_55_P2084	44.7	Detected	45.7	Detected	53	Detected	57.6	Detected	Hist1h2al	1.288590604	1.18568233	1.26039387	1.1597374
A_55_P2066	189.2	Detected	218.4	Detected	235.5	Detected	243.8	Detected	Galt	1.28858351	1.24471459	1.11630037	1.0782967
A_66_P1057	4236.8	Detected	3178.6	Detected	2680.3	Detected	5459.4	Detected	Net1	1.288566843	0.63262368	1.71754861	0.8432329
A_51_P3161	81.8	Detected	74.4	Detected	74.7	Detected	105.4	Detected	Vmn1r192	1.288508557	0.91320293	1.41666667	1.0040323
A_55_P1993	821.3	Detected	755.8	Detected	789.8	Detected	1058.2	Detected	Gm2824	1.288445148	0.96164617	1.40010585	1.0449854
A_52_P3763	876.3	Detected	813.5	Detected	1156.5	Detected	1129	Detected	Acn9	1.288371562	1.31975351	1.38783036	1.4216349
A_51_P1620	9023.6	Detected	10631.2	Detected	9871.6	Detected	11625.5	Detected	Ndufaf4	1.288343898	1.0939758	1.0935266	0.9285499
A_66_P1169	11.1	Not Detect	24.6	Detected	7.8	Not Detect	14.3	Not Detect	Tro	1.288288288	0.7027027	0.58130081	0.3170732
A_55_P2161	107.2	Detected	127.7	Detected	107.4	Detected	138.1	Detected	Arr3	1.288246269	1.00186567	1.08144088	0.8410337
A_51_P1587	48996.2	Detected	53369.6	Detected	61351.9	Detected	63117.2	Detected	Elof1	1.288206024	1.2521767	1.1826433	1.1495664

A_51_P2618	180.8	Detected	180.7	Detected	171.1	Detected	232.9	Detected	Tmem8c	1.288163717	0.94634956	1.28887659	0.9468733
A_55_P2186	28621.9	Detected	29944.3	Detected	26833.4	Detected	36869.1	Detected	Lypla2	1.288142995	0.93751288	1.23125603	0.8961104
A_65_P1181	17.7	Detected	21.3	Detected	21.9	Detected	22.8	Not Detect	Cnot2	1.288135593	1.23728814	1.07042254	1.028169
A_55_P2402	510.6	Detected	435.7	Detected	315.4	Detected	657.6	Detected	9130020K20Rik	1.287896592	0.61770466	1.50929539	0.7238926
A_55_P2144	407.1	Detected	805.3	Detected	358.3	Detected	524.3	Detected	Ccdc90b	1.287889953	0.88012773	0.65106172	0.4449274
A_51_P4937	6394.1	Detected	7468.6	Detected	9053.9	Detected	8234.8	Detected	Tfam	1.28787476	1.41597723	1.10258951	1.212262
A_55_P1956	8313.7	Detected	7266.2	Detected	8974.2	Detected	10706	Detected	Cyfp1	1.287753948	1.07944718	1.47339737	1.235061
A_51_P4808	14434.2	Detected	17479.3	Detected	13510.4	Detected	18586.1	Detected	Thap11	1.287643236	0.93599922	1.06332061	0.7729371
A_55_P2117	120.3	Detected	122.4	Detected	121.8	Detected	154.9	Detected	5830415F09Rik	1.287614298	1.01246883	1.26552288	0.995098
A_55_P2131	424.2	Detected	169.7	Detected	302	Detected	546.2	Detected	Mical2	1.287600189	0.71192834	3.2186211	1.7796111
A_51_P1569	13611.4	Detected	22025.9	Detected	13999.3	Detected	17525.8	Detected	Dnajc15	1.287582468	1.02849817	0.79569053	0.6355836
A_55_P2100	111	Detected	121.8	Detected	101.2	Detected	142.9	Detected	Sprtn	1.287387387	0.91171171	1.17323481	0.8308703
A_55_P2031	137.1	Detected	239.6	Detected	68.6	Detected	176.5	Detected	Gpr85	1.287381473	0.5003647	0.73664441	0.2863105
A_51_P2195	146.5	Detected	108.2	Detected	90.2	Detected	188.6	Detected	Slc41a2	1.287372014	0.61569966	1.74306839	0.8336414
A_55_P2171	36.2	Detected	32.2	Detected	31.1	Detected	46.6	Not Detect	Vsig10l	1.287292818	0.85911602	1.44720497	0.9658385
A_52_P3138	1002.3	Detected	1198.1	Detected	1715.8	Detected	1290.1	Detected	Slc25a26	1.287139579	1.71186272	1.07678825	1.4321008
A_55_P2195	108.7	Detected	94.1	Detected	94.1	Detected	139.9	Detected	1700016K05Rik	1.287028519	0.86568537	1.48671626	1
A_66_P1239	511.2	Detected	586.1	Detected	526.6	Detected	657.8	Detected	Ikzf5	1.286776213	1.0301252	1.12233407	0.8984815
A_51_P2033	27.2	Detected	25.6	Detected	28.9	Detected	35	Not Detect	Vmn1r216	1.286764706	1.0625	1.3671875	1.1289063
A_51_P1859	97.3	Detected	94.9	Detected	98.4	Detected	125.2	Detected	Gper1	1.286742035	1.01130524	1.31928346	1.0368809
A_66_P1232	43.6	Detected	38.2	Detected	37.5	Detected	56.1	Detected	Vmn1r56	1.286697248	0.86009174	1.46858639	0.9816754
A_55_P2147	220379.7	Detected	296029	Detected	236376.5	Detected	283557.8	Detected	Gm4883	1.286678401	1.07258745	0.9578717	0.798491
A_55_P1973	237.2	Detected	273	Detected	243.9	Detected	305.2	Detected	Ddhd2	1.286677909	1.02824621	1.11794872	0.8934066
A_55_P2172	62.1	Detected	53	Detected	56.3	Detected	79.9	Detected	Mxd4	1.286634461	0.90660225	1.50754717	1.0622642
A_51_P2264	9574.2	Detected	10176.9	Detected	9758.1	Detected	12317.4	Detected	Rraga	1.286520023	1.01920787	1.21032928	0.958848
A_55_P2012	2736.3	Detected	3100.5	Detected	2636.2	Detected	3520.2	Detected	Eea1	1.286481745	0.96341775	1.13536526	0.85025
A_55_P1979	26509.3	Detected	25105.4	Detected	30426	Detected	34103.7	Detected	Morf4l1	1.286480594	1.14774815	1.3584209	1.2119305
A_51_P4408	5821.8	Detected	7409.4	Detected	5456.3	Detected	7489	Detected	Dph2	1.286371912	0.93721873	1.01074311	0.7364024
A_55_P2036	244.1	Detected	213.7	Detected	212.3	Detected	314	Detected	Gm13547	1.28635805	0.86972552	1.46934956	0.9934488
A_55_P2079	51	Detected	47.3	Detected	46.6	Detected	65.6	Detected	Cacna1i	1.28627451	0.91372549	1.38689218	0.9852008
A_55_P2009	21324.9	Detected	34071.9	Detected	20827.6	Detected	27429.6	Detected	Tom20	1.286270979	0.97667984	0.8050505	0.6112838
A_55_P2159	1270	Detected	941.2	Detected	1380.1	Detected	1633.5	Detected	Ap5s1	1.286220472	1.08669291	1.73555036	1.4663196
A_55_P2121	387.3	Detected	425.6	Detected	319.9	Detected	498.1	Detected	Ncor1	1.28608314	0.8259747	1.17034774	0.7516447
A_55_P1995	979.3	Detected	885.4	Detected	907.7	Detected	1259.4	Detected	Zc3hav1	1.286020627	0.92688655	1.42240795	1.0251864
A_55_P2012	47.9	Detected	35	Detected	42.1	Detected	61.6	Detected	Gm10847	1.286012526	0.87891441	1.76	1.2028571
A_51_P1899	41993.8	Detected	50273.7	Detected	52034.8	Detected	53996	Detected	Dad1	1.285808857	1.23910673	1.0740407	1.0350302
A_51_P5191	13065.1	Detected	15769.4	Detected	14707.4	Detected	16799.1	Detected	Eif3i	1.285799573	1.1257013	1.06529735	0.9326544
A_55_P2083	610.5	Detected	693.5	Detected	643.3	Detected	784.9	Detected	Scfd1	1.285667486	1.05372645	1.13179524	0.9276136
A_52_P1942	2197.8	Detected	1948.7	Detected	2062	Detected	2825.6	Detected	Sel1l	1.285649286	0.93821094	1.4499923	1.0581413
A_55_P2118	25518.9	Detected	33188.7	Detected	27264.8	Detected	32806.3	Detected	Tnfp1	1.285568735	1.06841596	0.98847801	0.8215085

A_55_P2080	5595.4	Detected	7377.2	Detected	6325.3	Detected	7193.1	Detected	Qdpr	1.285538121	1.13044644	0.97504473	0.857412
A_55_P1952	204.9	Detected	192.1	Detected	232.3	Detected	263.4	Detected	Gm833	1.285505124	1.13372377	1.37116085	1.209266
A_51_P4879	21511.9	Detected	27279.7	Detected	18446.7	Detected	27652.8	Detected	Psmid7	1.285465254	0.85751142	1.01367684	0.6762061
A_51_P4247	15360.9	Detected	18526.1	Detected	17534.5	Detected	19744	Detected	0610009D07Rik	1.285341354	1.14150213	1.06573969	0.9464755
A_55_P2069	84.5	Detected	96.4	Detected	90	Detected	108.6	Detected	Fxyd2	1.285207101	1.06508876	1.12655602	0.93361
A_55_P2324	175.7	Detected	312.8	Detected	203.8	Detected	225.8	Detected	6230400D17Rik	1.285145134	1.1599317	0.72186701	0.6515345
A_55_P2128	2928.4	Detected	2997.4	Detected	2098.5	Detected	3763.4	Detected	Ikbip	1.285138642	0.71660292	1.25555481	0.7001068
A_51_P1437	5152.9	Detected	5498.9	Detected	5396.1	Detected	6621.6	Detected	Vipas39	1.285023967	1.04719672	1.20416811	0.9813054
A_51_P4025	7037.6	Detected	5440.4	Detected	6617.8	Detected	9042.9	Detected	Uvrag	1.284940889	0.94034898	1.66217558	1.2164179
A_55_P2091	654.2	Detected	595.8	Detected	596.1	Detected	840.6	Detected	2610318M16Rik	1.284928157	0.91118924	1.41087613	1.0005035
A_55_P2131	3159.4	Detected	2767	Detected	3836.7	Detected	4058.9	Detected	Mettl10	1.284705957	1.21437615	1.46689555	1.386592
A_51_P1762	617	Detected	644.7	Detected	533.8	Detected	792.6	Detected	Trip11	1.284602917	0.86515397	1.22940903	0.827982
A_52_P2547	51034.3	Detected	56858.4	Detected	63499.7	Detected	65557.4	Detected	Ndufc1	1.284575276	1.24425533	1.1529941	1.1168042
A_51_P3173	522.2	Detected	386.4	Detected	506.9	Detected	670.8	Detected	Pddc1	1.284565301	0.97070088	1.73602484	1.311853
A_51_P2850	168.7	Detected	182	Detected	207.8	Detected	216.7	Detected	Wdr38	1.284528749	1.23177238	1.19065934	1.1417582
A_55_P2040	22.5	Detected	26.3	Detected	20.5	Detected	28.9	Not Detect	Gm11517	1.284444444	0.91111111	1.09885932	0.7794677
A_55_P2324	820.7	Detected	336.2	Detected	906.5	Detected	1054.1	Detected	5033406O09Rik	1.284391373	1.1045449	3.13533611	2.6963117
A_55_P1981	17803.1	Detected	18509.6	Detected	18456.4	Detected	22864.1	Detected	Phldb1	1.284276334	1.03669586	1.2352563	0.9971258
A_55_P2107	99.2	Detected	87.4	Detected	114.9	Detected	127.4	Detected	Rab5b	1.284274194	1.15826613	1.4576659	1.3146453
A_51_P4631	392.4	Detected	326.2	Detected	643.1	Detected	503.9	Detected	Tbc1d2b	1.284148828	1.63888889	1.54475782	1.9714899
A_55_P1978	259.8	Detected	308	Detected	261.6	Detected	333.6	Detected	Gbp10	1.284064665	1.00692841	1.08311688	0.8493506
A_55_P1986	4381.3	Detected	4438	Detected	4079.1	Detected	5624.9	Detected	Gne	1.283842695	0.93102504	1.26744029	0.9191302
A_55_P2033	7.4	Not Detect	64.7	Detected	5.7	Not Detect	9.5	Not Detect	Nkain2	1.283783784	0.77027027	0.14683153	0.0880989
A_51_P4422	2098.8	Detected	4138.8	Detected	809.4	Detected	2694.4	Detected	Dnajc12	1.283781208	0.38564894	0.65100995	0.1955639
A_55_P2222	129.7	Detected	135.4	Detected	123.4	Detected	166.5	Detected	Erc1	1.283731689	0.95142637	1.22968981	0.9113737
A_55_P2153	12582	Detected	15541.6	Detected	11478.2	Detected	16150	Detected	Afg3l1	1.283579717	0.9122715	1.03914655	0.7385469
A_52_P2189	286	Detected	303.8	Detected	403	Detected	367.1	Detected	D3Erd751e	1.283566434	1.40909091	1.20836076	1.3265306
A_51_P2714	1030.5	Detected	1067.2	Detected	1103.2	Detected	1322.7	Detected	Lhfpl4	1.283551674	1.07054828	1.23941154	1.0337331
A_52_P2812	3674.3	Detected	3058.3	Detected	3173.2	Detected	4716.1	Detected	Kdm4a	1.283537	0.86362028	1.54206585	1.0375699
A_51_P2539	12.7	Not Detect	10.6	Not Detect	20.8	Detected	16.3	Not Detect	Pcp4	1.283464567	1.63779528	1.53773585	1.9622642
A_55_P1956	100036.1	Detected	117945.1	Detected	94105.1	Detected	128388.9	Detected	LOC634339	1.283425683	0.9407114	1.08854798	0.7978721
A_51_P1250	8892.4	Detected	11428.6	Detected	13932.2	Detected	11412.7	Detected	Wdr74	1.283421798	1.56675363	0.99860875	1.2190645
A_66_P1367	53680	Detected	52396.7	Detected	71405.3	Detected	68888.7	Detected	Scpep1	1.283321535	1.33020306	1.31475265	1.3627824
A_51_P4194	165.6	Detected	146.3	Detected	170	Detected	212.5	Detected	Gnmt	1.28321256	1.02657005	1.45249487	1.1619959
A_66_P1075	634.6	Detected	755.2	Detected	563.6	Detected	814.3	Detected	Fam133b	1.283170501	0.8881185	1.07825742	0.7462924
A_66_P1309	279.4	Detected	295.7	Detected	255.6	Detected	358.5	Detected	Map3k13	1.283106657	0.91481747	1.21237741	0.8643896
A_55_P2034	919.6	Detected	926.9	Detected	763.5	Detected	1179.9	Detected	2610028H24Rik	1.283057851	0.83025228	1.27295285	0.8237135
A_55_P1968	140.3	Detected	157.7	Detected	168.1	Detected	180	Detected	Rbm25	1.282965075	1.19814683	1.14140774	1.065948
A_55_P2127	2109.3	Detected	2404.4	Detected	2866.3	Detected	2706.1	Detected	Mtmr2	1.282937467	1.35888683	1.12547829	1.1921061
A_55_P2136	2234.5	Detected	2278.4	Detected	2508.3	Detected	2866.7	Detected	Pkn2	1.282926829	1.12253301	1.25820751	1.1009041

A_55_P2032	20.5 Detected	26.1 Detected	18.9 Detected	26.3 Not Detect	Rnase13	1.282926829	0.92195122	1.00766284	0.7241379
A_51_P4434	8432.1 Detected	9120.8 Detected	8261.7 Detected	10816.9 Detected	5830417110Rik	1.28282397	0.97979151	1.18595956	0.9058087
A_55_P2054	4242.3 Detected	3982 Detected	5477.7 Detected	5442.1 Detected	2810408111Rik	1.282818283	1.29120996	1.36667504	1.3756153
A_55_P2028	13033.6 Detected	15807.3 Detected	18969.6 Detected	16718.7 Detected	Dnajs19	1.282738461	1.45543825	1.05765691	1.2000531
A_51_P3578	1190.3 Detected	1133.3 Detected	1298.6 Detected	1526.8 Detected	Fbxo46	1.28270184	1.09098547	1.34721609	1.1458572
A_51_P2600	10737.6 Detected	14014.7 Detected	15887.3 Detected	13773 Detected	Sar1b	1.282688869	1.47959507	0.98275382	1.1336168
A_51_P1998	31874.6 Detected	37378.6 Detected	35782 Detected	40884.6 Detected	Pin1	1.282670214	1.12258664	1.09379699	0.9572857
A_52_P2941	139.4 Detected	122.5 Detected	162.9 Detected	178.8 Detected	D2hgdh	1.282639885	1.16857963	1.45959184	1.3297959
A_65_P1086	8526.9 Detected	10352.9 Detected	9714.7 Detected	10936.7 Detected	Scfd1	1.2826115	1.13930033	1.05639	0.9383554
A_51_P2916	136 Detected	120.2 Detected	123.3 Detected	174.4 Detected	Hspb9	1.282352941	0.90661765	1.45091514	1.0257903
A_55_P2067	340.1 Detected	204.3 Detected	436.1 Detected	436.1 Detected	Mep1a	1.282269921	1.28226992	2.13460597	2.134606
A_55_P1991	13289.4 Detected	10699.2 Detected	12645.5 Detected	17039.9 Detected	Atraid	1.282217406	0.95154785	1.59263309	1.1819108
A_55_P1996	201785.5 Detected	229605.2 Detected	198984.5 Detected	258713 Detected	LOC100505283	1.282118884	0.98611892	1.12677326	0.8666376
A_55_P2026	324 Detected	338.1 Detected	295.1 Detected	415.4 Detected	Erc2	1.282098765	0.91080247	1.22863058	0.8728187
A_55_P2052	4176 Detected	4765.5 Detected	5152.4 Detected	5353.9 Detected	Pgap2	1.282064176	1.23381226	1.12347078	1.0811877
A_55_P2052	468.7 Detected	490.9 Detected	649.7 Detected	600.9 Detected	Tia1	1.282056753	1.38617453	1.22407822	1.3234875
A_51_P3577	111.7 Detected	129 Detected	122.2 Detected	143.2 Detected	Inhbe	1.282005372	1.09400179	1.11007752	0.9472868
A_55_P2160	46271.6 Detected	55750.8 Detected	56391.7 Detected	59317.8 Detected	Atp5f1	1.281948323	1.21871083	1.06398114	1.0114958
A_51_P2387	21181.1 Detected	26993.3 Detected	24075.4 Detected	27152 Detected	Mcl1	1.281897541	1.13664541	1.00587924	0.8919028
A_51_P3693	14.9 Detected	18.9 Detected	11.8 Not Detect	19.1 Not Detect	Nox4	1.281879195	0.79194631	1.01058201	0.6243386
A_55_P2090	37791.6 Detected	47949.2 Detected	48046.2 Detected	48442.4 Detected	Pop5	1.281829825	1.27134601	1.01028589	1.002023
A_51_P1944	1324.3 Detected	1052.9 Detected	1464.6 Detected	1697.4 Detected	1110059G10Rik	1.281733746	1.10594276	1.61211891	1.3910153
A_55_P2141	28.4 Detected	31.9 Detected	38.2 Detected	36.4 Not Detect	Efcab9	1.281690141	1.34507042	1.14106583	1.1974922
A_55_P2111	1068.3 Detected	1625.9 Detected	1056.3 Detected	1369.2 Detected	3110009E18Rik	1.281662454	0.9887672	0.84211821	0.649671
A_55_P1959	2340.7 Detected	1501 Detected	3281.5 Detected	2999.7 Detected	Rbm47	1.28153971	1.40193105	1.99846769	2.1862092
A_55_P2140	1978.2 Detected	1694.1 Detected	2009.4 Detected	2535.1 Detected	Slc25a51	1.281518552	1.01577191	1.49642878	1.1861165
A_51_P1009	46.2 Detected	39.5 Detected	38.3 Detected	59.2 Detected	Serpib3c	1.281385281	0.82900433	1.49873418	0.9696203
A_51_P2453	1749.6 Detected	2045.5 Detected	2173.3 Detected	2241.9 Detected	L3mbtl2	1.281378601	1.24216964	1.09601564	1.0624786
A_55_P2096	10255.8 Detected	11644.4 Detected	13736.7 Detected	13141.2 Detected	Bcs1l	1.28134324	1.33940794	1.12854248	1.1796829
A_66_P1223	23048.9 Detected	18085.5 Detected	25121.8 Detected	29532.7 Detected	Aldh16a1	1.281306266	1.08993488	1.63294905	1.3890575
A_51_P3508	45.2 Detected	402.4 Detected	35.5 Detected	57.9 Detected	Cnn1	1.280973451	0.78539823	0.14388668	0.0882207
A_55_P2059	261.7 Detected	207.9 Detected	307.5 Detected	335.2 Detected	Nav1	1.280855942	1.17500955	1.61231361	1.4790765
A_51_P2666	2345.6 Detected	4959.2 Detected	2158.3 Detected	3004.2 Detected	Nob1	1.280781037	0.92014836	0.60578319	0.4352113
A_55_P2094	141.4 Detected	145.7 Detected	132.6 Detected	181.1 Detected	Atp1a3	1.280763791	0.93776521	1.242965	0.9100892
A_55_P2030	1684.4 Detected	2046.3 Detected	1385.6 Detected	2157.3 Detected	Trem1	1.28075279	0.82260746	1.05424425	0.6771246
A_52_P2650	952.7 Detected	1036.3 Detected	975.3 Detected	1220.1 Detected	Pik3ca	1.280675974	1.02372205	1.17736177	0.9411367
A_55_P1963	2809.9 Detected	3611.6 Detected	2656.6 Detected	3598.3 Detected	Npr2	1.28057938	0.9454429	0.99631742	0.7355743
A_55_P2164	41864.6 Detected	49288.9 Detected	59526.3 Detected	53610.8 Detected	LOC546711	1.280575952	1.42187672	1.08768506	1.2077019
A_51_P4303	5475.4 Detected	3879.4 Detected	6527.1 Detected	7011.4 Detected	Dnajs30	1.28052745	1.19207729	1.80734134	1.6825024
A_51_P1596	24556.3 Detected	19901 Detected	26781.7 Detected	31440.5 Detected	Snx1	1.280343537	1.0906244	1.57984523	1.3457464

A_55_P2098	826.5	Detected	768.2	Detected	958.8	Detected	1058.2	Detected	Tubd1	1.280338778	1.1600726	1.37750586	1.2481125
A_55_P1961	7911.6	Detected	6019.9	Detected	7492	Detected	10129.4	Detected	Tctex1d2	1.280322564	0.94696395	1.68265254	1.2445389
A_55_P2021	6031.6	Detected	5860.9	Detected	7079.5	Detected	7722.3	Detected	Fkbp1a	1.28030705	1.173735	1.31759627	1.2079203
A_55_P1971	62.8	Detected	91.5	Detected	47.9	Detected	80.4	Detected	Kctd11	1.280254777	0.76273885	0.87868852	0.5234973
A_66_P1396	43.9	Detected	37.6	Detected	36.8	Detected	56.2	Detected	Stfa2	1.280182232	0.83826879	1.49468085	0.9787234
A_52_P4389	48.9	Detected	54.8	Detected	55.3	Detected	62.6	Detected	Olfir524	1.280163599	1.13087935	1.14233577	1.0091241
A_55_P2062	12968.5	Detected	9544	Detected	19390.9	Detected	16600.9	Detected	Tmem41a	1.280094074	1.49523075	1.73940696	2.0317372
A_52_P6760	8853.2	Detected	8929.2	Detected	11010.8	Detected	11332.9	Detected	Rbx1	1.280090815	1.24370849	1.26919545	1.2331228
A_52_P3945	7619.3	Detected	7910.2	Detected	8289	Detected	9753.1	Detected	Tex2	1.280051973	1.08789521	1.23297767	1.0478875
A_55_P2029	15	Detected	22.7	Detected	30.3	Detected	19.2	Not Detect	Sry	1.28	2.02	0.84581498	1.3348018
A_51_P1503	7.5	Not Detect	34.3	Detected	4.8	Not Detect	9.6	Not Detect	Crtam	1.28	0.64	0.27988338	0.1399417
A_55_P2027	18243.4	Detected	17111	Detected	24289.6	Detected	23351.3	Detected	Ccdc101	1.279986187	1.33141849	1.36469523	1.4195313
A_52_P5702	22602.1	Detected	36452.3	Detected	24212.3	Detected	28929.6	Detected	Psmb10	1.279951863	1.07124117	0.79362893	0.6642187
A_52_P1574	250.8	Detected	464.8	Detected	241.2	Detected	321	Detected	Abhd1	1.279904306	0.96172249	0.69061962	0.5189329
A_51_P3761	10391.1	Detected	12676.9	Detected	13294.2	Detected	13299.6	Detected	N6amt2	1.279902994	1.27938332	1.04912084	1.0486949
A_55_P2015	306.6	Detected	282.9	Detected	312.8	Detected	392.4	Detected	Clps	1.279843444	1.02022179	1.38706257	1.1056911
A_51_P2077	151.9	Detected	269	Detected	113.9	Detected	194.4	Detected	Guca1a	1.279789335	0.74983542	0.72267658	0.4234201
A_55_P1953	132.6	Detected	119.7	Detected	132.7	Detected	169.7	Detected	Mob3c	1.279788839	1.00075415	1.41771094	1.1086048
A_55_P2128	33.6	Detected	32.2	Detected	37.7	Detected	43	Not Detect	Gm10673	1.279761905	1.12202381	1.33540373	1.1708075
A_51_P4918	233.9	Detected	276.8	Detected	277.5	Detected	299.3	Detected	Taf1b	1.27960667	1.18640445	1.08128613	1.0025289
A_55_P2166	5014.7	Detected	5548.8	Detected	5544.9	Detected	6416.2	Detected	Ppcs	1.279478334	1.10572916	1.15632209	0.9992971
A_55_P2110	3171.2	Detected	2741.8	Detected	2918.9	Detected	4057.3	Detected	Slc35a2	1.279421039	0.92044021	1.4797943	1.0645926
A_51_P3920	146.4	Detected	16.2	Detected	94.6	Detected	187.3	Detected	Car8	1.279371585	0.64617486	11.5617284	5.8395062
A_52_P6414	409.9	Detected	454.7	Detected	307.9	Detected	524.4	Detected	Wars2	1.279336424	0.75115882	1.15328788	0.6771498
A_55_P2174	413.6	Detected	374.6	Detected	362.5	Detected	529.1	Detected	Cngb1	1.279255319	0.87645068	1.41243994	0.9676989
A_55_P2051	38435.7	Detected	36548.5	Detected	38176.2	Detected	49160	Detected	Scaf1	1.279019245	0.99324846	1.34506204	1.0445353
A_52_P1003	176.1	Detected	233.8	Detected	204.4	Detected	225.2	Detected	Asf1a	1.278818853	1.16070415	0.96321642	0.8742515
A_55_P2070	281.6	Detected	282.4	Detected	322.3	Detected	360.1	Detected	Tyw1	1.278764205	1.14453125	1.27514164	1.141289
A_52_P2401	3684.6	Detected	3366.2	Detected	3629.5	Detected	4711.7	Detected	Snx27	1.278754817	0.98504587	1.39970887	1.0782188
A_52_P4573	216	Detected	227.4	Detected	261	Detected	276.2	Detected	Trim35	1.278703704	1.20833333	1.21459982	1.1477573
A_55_P1978	54.9	Detected	45.5	Detected	56.1	Detected	70.2	Detected	Zfp606	1.278688525	1.02185792	1.54285714	1.232967
A_51_P2800	9858.8	Detected	11966.5	Detected	7958.3	Detected	12606.3	Detected	Zfp655	1.278685033	0.80722806	1.05346593	0.6650483
A_55_P2026	48.1	Detected	62	Detected	50	Detected	61.5	Detected	9230111E07Rik	1.278586279	1.03950104	0.99193548	0.8064516
A_55_P2166	13252.7	Detected	11284.8	Detected	14516.5	Detected	16944.4	Detected	Mrps36	1.278562104	1.0953617	1.50152417	1.2863764
A_52_P4097	800	Detected	805.6	Detected	839	Detected	1022.8	Detected	Sec24a	1.2785	1.04875	1.26961271	1.0414598
A_51_P5201	1923	Detected	1958.7	Detected	1938.5	Detected	2458.5	Detected	Adprhl2	1.278471139	1.00806032	1.25516924	0.989687
A_55_P2150	18175.9	Detected	18771.1	Detected	16661.9	Detected	23237.3	Detected	Lhfpl4	1.278467641	0.91670289	1.23792958	0.8876358
A_66_P1341	17.6	Detected	14	Not Detect	20.4	Detected	22.5	Not Detect	B020031H02Rik	1.278409091	1.15909091	1.60714286	1.4571429
A_55_P2022	168.1	Detected	177.9	Detected	159.9	Detected	214.9	Detected	1700027J07Rik	1.278405711	0.95121951	1.20798201	0.8988196
A_55_P2059	1209.6	Detected	1307.5	Detected	937.7	Detected	1546.3	Detected	Gm9920	1.278356481	0.77521495	1.18263862	0.7171702

A_55_P2100	31940.4	Detected	51645.9	Detected	32841.6	Detected	40828.8	Detected	Lsm6	1.278280798	1.02821505	0.79055259	0.6358995
A_55_P2035	118641.5	Detected	161601.4	Detected	132716.5	Detected	151654	Detected	Oaz1	1.278254237	1.11863471	0.93844484	0.8212584
A_52_P5787	114.3	Detected	110.5	Detected	104.8	Detected	146.1	Detected	Dok3	1.278215223	0.91688539	1.32217195	0.9484163
A_55_P2017	63641.6	Detected	71850.5	Detected	93172.5	Detected	81347.1	Detected	LOC636901	1.278206393	1.46401882	1.13217166	1.2967551
A_51_P3242	9203.2	Detected	8343.3	Detected	11667.8	Detected	11763.5	Detected	Kif23	1.278196714	1.26779816	1.40993372	1.3984634
A_66_P1095	5688.2	Detected	5442	Detected	8367.6	Detected	7269.5	Detected	Plcb3	1.277996554	1.47104532	1.33581404	1.5375965
A_55_P2156	25854	Detected	21499.9	Detected	25567.5	Detected	33041	Detected	Stx4a	1.277984064	0.98891854	1.53679785	1.1891916
A_51_P4435	48552.6	Detected	72029.4	Detected	56872.1	Detected	62048.8	Detected	Ppa1	1.277970696	1.17135025	0.86143714	0.7895679
A_55_P2062	86	Detected	83.6	Detected	83.4	Detected	109.9	Detected	B630005N14Rik	1.277906977	0.96976744	1.3145933	0.9976077
A_55_P2075	128.5	Detected	156.1	Detected	145.8	Detected	164.2	Detected	Fat2	1.277821012	1.13463035	1.05188981	0.9340167
A_55_P2155	17750	Detected	15353.6	Detected	20634.1	Detected	22679.8	Detected	Chmp3	1.277735211	1.16248451	1.47716496	1.3439259
A_55_P1955	1492.1	Detected	2027.2	Detected	1912.3	Detected	1906.5	Detected	Slc18b1	1.277729375	1.28161651	0.94045975	0.9433208
A_51_P2593	549.5	Detected	454.1	Detected	489.9	Detected	702.1	Detected	Fbrs	1.277707006	0.89153776	1.54613521	1.0788373
A_55_P2056	334.4	Detected	362.3	Detected	340.4	Detected	427.2	Detected	Kif24	1.277511962	1.01794258	1.17913331	0.9395529
A_51_P3702	6877.6	Detected	7371.4	Detected	7634	Detected	8785.8	Detected	Med24	1.277451437	1.10998023	1.19187671	1.0356242
A_55_P1969	29360.9	Detected	18166.2	Detected	27136.5	Detected	37505.8	Detected	Pitpnm1	1.277406347	0.92423938	2.06459248	1.4937907
A_51_P4396	3204.7	Detected	3111.8	Detected	2945.7	Detected	4093.7	Detected	Dnajb2	1.277405061	0.9191812	1.31554084	0.9466225
A_51_P2736	2911.2	Detected	2200.6	Detected	2760.1	Detected	3718.6	Detected	Gbe1	1.277342677	0.948097	1.68981187	1.2542488
A_55_P2007	9145.2	Detected	14857.5	Detected	9648.7	Detected	11680.1	Detected	Cd97	1.277183659	1.0550562	0.78614168	0.6494161
A_52_P2467	18584.5	Detected	17418.5	Detected	20082.7	Detected	23733.9	Detected	Chmp5	1.277080363	1.08061557	1.36256853	1.1529523
A_66_P1251	9228.4	Detected	7564.6	Detected	11125.8	Detected	11784.1	Detected	Aip	1.276938581	1.20560444	1.55779552	1.4707718
A_66_P1358	41585	Detected	47370.7	Detected	42505	Detected	53100.4	Detected	Rrp1	1.276912348	1.02212336	1.12095451	0.8972846
A_52_P4492	121	Detected	129.2	Detected	90	Detected	154.5	Detected	Atp11b	1.276859504	0.74380165	1.19582043	0.6965944
A_51_P2473	320.4	Detected	327.9	Detected	363.9	Detected	409.1	Detected	Ptprcap	1.276841448	1.13576779	1.24763647	1.1097896
A_55_P1963	96.1	Detected	95.7	Detected	121.8	Detected	122.7	Detected	Myoz3	1.276795005	1.26742976	1.28213166	1.2727273
A_55_P1958	94.3	Detected	90	Detected	97.8	Detected	120.4	Detected	Gm9802	1.276776246	1.03711559	1.33777778	1.0866667
A_55_P2135	15.9	Detected	18.7	Detected	20.6	Detected	20.3	Not Detect	Olf1348	1.27672956	1.29559748	1.0855615	1.1016043
A_66_P1357	33487.8	Detected	22964.3	Detected	27260.9	Detected	42754.2	Detected	Wdr1	1.276709727	0.81405467	1.86176805	1.1870991
A_55_P1952	1549.4	Detected	1167.1	Detected	1966.5	Detected	1977.9	Detected	Npb	1.276558668	1.26920098	1.69471339	1.6849456
A_55_P2151	106.7	Detected	141.8	Detected	112.5	Detected	136.2	Detected	Mcm9	1.276476101	1.05435801	0.96050776	0.7933709
A_55_P2040	12.3	Not Detect	19.5	Detected	9.9	Not Detect	15.7	Not Detect	Dnali1	1.276422764	0.80487805	0.80512821	0.5076923
A_55_P1974	4426.5	Detected	4046.6	Detected	4576.3	Detected	5649.9	Detected	Fam172a	1.276380888	1.03384164	1.39620916	1.1309
A_65_P1568	5227	Detected	4218.5	Detected	7118.2	Detected	6670.1	Detected	Mut	1.276085709	1.36181366	1.58115444	1.687377
A_55_P2010	20.3	Detected	14	Not Detect	70.6	Detected	25.9	Not Detect	Serpina1a	1.275862069	3.47783251	1.85	5.0428571
A_51_P1662	1071	Detected	882.1	Detected	1380	Detected	1366.4	Detected	Acy1	1.275816993	1.28851541	1.54903072	1.5644485
A_55_P1986	67.1	Detected	47.2	Detected	66.6	Detected	85.6	Detected	Cacna1h	1.275707899	0.99254844	1.81355932	1.4110169
A_51_P2759	11266.2	Detected	11294.5	Detected	15948.6	Detected	14371.4	Detected	Dcps	1.275620884	1.41561485	1.27242463	1.4120678
A_55_P1991	19579.1	Detected	16818.4	Detected	16653.2	Detected	24975	Detected	Tom1l2	1.275594895	0.85056004	1.48498074	0.9901774
A_55_P2025	25.4	Detected	31.7	Detected	26.9	Detected	32.4	Not Detect	Rfesd	1.275590551	1.05905512	1.02208202	0.8485804
A_55_P2062	63.5	Detected	84	Detected	90.7	Detected	81	Detected	Ppp3cc	1.275590551	1.42834646	0.96428571	1.0797619

A_55_P2048	26967.5	Detected	27834.3	Detected	38369.7	Detected	34397.7	Detected	Ganab	1.275524242	1.42281264	1.23580259	1.3785042
A_55_P1957	159	Detected	205.9	Detected	189.5	Detected	202.8	Detected	Ggnbp1	1.275471698	1.1918239	0.98494415	0.9203497
A_51_P1899	23847.9	Detected	31910.6	Detected	32192	Detected	30415.2	Detected	Ppan	1.275382738	1.34988825	0.95313783	1.0088184
A_55_P2196	38.5	Detected	34.8	Detected	44.1	Detected	49.1	Detected	4930533B01Rik	1.275324675	1.14545455	1.41091954	1.2672414
A_55_P1964	10635.6	Detected	9829.3	Detected	10457.6	Detected	13563.8	Detected	Pla2g4b	1.275320621	0.98326376	1.3799355	1.0639211
A_55_P2007	454.5	Detected	445.1	Detected	344.3	Detected	579.6	Detected	Fmn2	1.275247525	0.75753575	1.30217929	0.773534
A_55_P2117	62.5	Detected	55.7	Detected	52.9	Detected	79.7	Detected	Asb4	1.2752	0.8464	1.43087971	0.9497307
A_55_P2122	28	Detected	27.5	Detected	22.5	Detected	35.7	Not Detect	Asb11	1.275	0.80357143	1.29818182	0.8181818
A_55_P2048	207.3	Detected	215	Detected	211.3	Detected	264.3	Detected	4930515G16Rik	1.274963821	1.01929571	1.22930233	0.9827907
A_52_P6251	456.2	Detected	473.2	Detected	614.5	Detected	581.6	Detected	Asph	1.274879439	1.34699693	1.22907861	1.2986052
A_52_P6110	352.6	Detected	284.1	Detected	417.6	Detected	449.5	Detected	Esd	1.274815655	1.18434487	1.58218937	1.469905
A_55_P2035	108.1	Detected	123.5	Detected	123.3	Detected	137.8	Detected	Zfp473	1.274745606	1.14061055	1.11578947	0.9983806
A_55_P2425	1746.5	Detected	1695.6	Detected	1550.8	Detected	2226.1	Detected	D030063E12	1.274606356	0.88794732	1.3128686	0.9146025
A_55_P1980	23788	Detected	20548.9	Detected	29503.3	Detected	30320.2	Detected	Psenen	1.274600639	1.24025979	1.4755145	1.4357606
A_55_P2082	222377.2	Detected	253663.5	Detected	220432.5	Detected	283437.5	Detected	Rpl21	1.274579858	0.99125495	1.11737597	0.8689957
A_52_P4006	3970.2	Detected	3687.1	Detected	3931.9	Detected	5060.3	Detected	AW209491	1.274570551	0.99035313	1.37243362	1.0663936
A_55_P1989	25.5	Detected	28.5	Detected	25.1	Detected	32.5	Not Detect	Slco3a1	1.274509804	0.98431373	1.14035088	0.8807018
A_52_P6707	15.3	Detected	18.5	Detected	8.2	Not Detect	19.5	Not Detect	1700030J22Rik	1.274509804	0.53594771	1.05405405	0.4432432
A_55_P2414	1916.7	Detected	2105.5	Detected	3279	Detected	2442.8	Detected	B130021B11Rik	1.274482183	1.71075286	1.16019948	1.5573498
A_52_P2371	1154.7	Detected	1489.6	Detected	1324.6	Detected	1471.6	Detected	Spty2d1	1.274443578	1.14713778	0.98791622	0.889232
A_51_P3169	4693.7	Detected	4530.6	Detected	4020.4	Detected	5981.4	Detected	Ccdc6	1.274346464	0.8565524	1.32022249	0.887388
A_55_P2032	597.2	Detected	649.9	Detected	548.1	Detected	761	Detected	Gm6934	1.274279973	0.91778299	1.17094938	0.8433605
A_55_P2132	43.4	Detected	40.3	Detected	43.8	Detected	55.3	Detected	Glp1r	1.274193548	1.00921659	1.37220844	1.0868486
A_51_P3711	2858.8	Detected	2455.5	Detected	2795.9	Detected	3642.5	Detected	Sos2	1.274136001	0.97799776	1.4834046	1.1386276
A_55_P2166	61.3	Detected	60.9	Detected	50.8	Detected	78.1	Detected	Foxi1	1.27406199	0.82871126	1.28243021	0.8341544
A_51_P2844	5111.9	Detected	5202.3	Detected	4374.2	Detected	6511.7	Detected	Tsc22d4	1.273831648	0.85568967	1.25169637	0.8408204
A_55_P2251	9.5	Not Detect	20.3	Detected	38.4	Detected	12.1	Not Detect	A930038B10Rik	1.273684211	4.04210526	0.59605911	1.8916256
A_55_P2185	689.6	Detected	755.1	Detected	768.3	Detected	878.3	Detected	1700016P03Rik	1.273636891	1.11412413	1.1631572	1.0174811
A_51_P3457	4819.3	Detected	5347.9	Detected	4335.1	Detected	6138	Detected	E130309D02Rik	1.27362895	0.89952898	1.14774023	0.8106173
A_55_P2115	10.6	Not Detect	18.8	Detected	12.3	Not Detect	13.5	Not Detect	1700012D14Rik	1.273584906	1.16037736	0.71808511	0.6542553
A_51_P5021	16243.5	Detected	11429.2	Detected	17140.2	Detected	20686.6	Detected	Slc9a3r1	1.273530951	1.05520362	1.80997795	1.499685
A_51_P5121	970.4	Detected	1015.6	Detected	905.6	Detected	1235.8	Detected	AF067063	1.273495466	0.93322341	1.21681764	0.8916896
A_66_P1217	7041.7	Detected	9077	Detected	8674.8	Detected	8967.2	Detected	Ilf2	1.273442493	1.23191843	0.98790349	0.9556902
A_55_P2111	4666.3	Detected	4698.1	Detected	6551.1	Detected	5942	Detected	Spint2	1.273385766	1.40391745	1.26476661	1.3944148
A_55_P2038	428.4	Detected	380.5	Detected	461.5	Detected	545.5	Detected	Zfp235	1.27334267	1.07726424	1.43363995	1.2128778
A_51_P4239	122.3	Detected	134.1	Detected	110.4	Detected	155.7	Detected	Tas1r3	1.273098937	0.90269828	1.16107383	0.8232662
A_66_P1182	32.6	Detected	60.8	Detected	28.7	Detected	41.5	Not Detect	Wdfy1	1.273006135	0.8803681	0.68256579	0.4720395
A_55_P2183	154.6	Detected	173.8	Detected	168.9	Detected	196.8	Detected	Tmem201	1.272962484	1.09249677	1.13233602	0.9718067
A_51_P3577	35908	Detected	39790.8	Detected	28102.1	Detected	45699.7	Detected	Jund	1.272688537	0.7826139	1.14849915	0.7062462
A_55_P2064	349.3	Detected	386.6	Detected	389.4	Detected	444.5	Detected	Gng7	1.27254509	1.11480103	1.1497672	1.0072426

A_55_P2133	206.6	Detected	188.7	Detected	194.5	Detected	262.9	Detected	Ttll10	1.27250726	0.94143272	1.39321675	1.0307366
A_66_P1230	1274.5	Detected	1395.5	Detected	1162.4	Detected	1621.7	Detected	LOC432754	1.272420557	0.91204394	1.16209244	0.8329631
A_55_P2009	211618.6	Detected	243119.8	Detected	206071.3	Detected	269249.4	Detected	LOC100505283	1.272333339	0.97378633	1.10747623	0.8476122
A_55_P1975	1442	Detected	1150.5	Detected	1230.4	Detected	1834.6	Detected	Arhgef11	1.272260749	0.85325936	1.59461104	1.0694481
A_55_P2158	228.9	Detected	240.7	Detected	235.2	Detected	291.2	Detected	Cldn7	1.272171254	1.02752294	1.20980474	0.97715
A_55_P2121	15.8	Detected	15.1	Detected	13.6	Not Detect	20.1	Not Detect	Ankfn1	1.272151899	0.86075949	1.33112583	0.9006623
A_55_P2005	31.6	Detected	46.1	Detected	36	Detected	40.2	Not Detect	Foxr1	1.272151899	1.13924051	0.87201735	0.7809111
A_66_P1310	25767	Detected	21628.3	Detected	31922.5	Detected	32778.3	Detected	Rabl6	1.272103854	1.23889083	1.51552827	1.4759597
A_55_P2340	1547.6	Detected	1843.8	Detected	1633.7	Detected	1968.7	Detected	E230006M18Rik	1.272098734	1.05563453	1.06774054	0.8860505
A_51_P4875	11006.8	Detected	11220.6	Detected	12618.6	Detected	14001.7	Detected	Mob1a	1.272095432	1.14643675	1.24785662	1.1245923
A_55_P2169	26.1	Detected	34.4	Detected	28.6	Detected	33.2	Not Detect	Gm15056	1.272030651	1.09578544	0.96511628	0.8313953
A_55_P2064	418	Detected	437.2	Detected	471.6	Detected	531.7	Detected	Uba3	1.272009569	1.12822967	1.21614822	1.0786825
A_55_P2073	61.4	Detected	59.1	Detected	79.9	Detected	78.1	Detected	Ankrd40	1.271986971	1.30130293	1.321489	1.3519459
A_66_P1263	4810.5	Detected	5012.5	Detected	6651	Detected	6118.6	Detected	Mrpl46	1.271925995	1.38260056	1.22066833	1.3268828
A_51_P2439	1642.1	Detected	2116.5	Detected	1902.8	Detected	2088.6	Detected	Qrs1	1.271907923	1.15876012	0.98681786	0.8990314
A_51_P1037	6210	Detected	5624.5	Detected	7488.3	Detected	7898.4	Detected	Kat8	1.271884058	1.20584541	1.40428483	1.3313717
A_51_P1114	1884.8	Detected	2183.3	Detected	1619.7	Detected	2397	Detected	Arl15	1.271752971	0.85934847	1.09787936	0.7418587
A_55_P2115	5292.9	Detected	4247.4	Detected	6643.6	Detected	6730.5	Detected	Aip	1.271609137	1.25519092	1.58461647	1.5641569
A_55_P1995	5174.2	Detected	6305	Detected	4934.7	Detected	6579.3	Detected	Pomp	1.271558888	0.95371265	1.04350515	0.7826646
A_66_P1009	24171.1	Detected	19676.2	Detected	27457.2	Detected	30732.3	Detected	Tmem256	1.271448134	1.13595161	1.5619022	1.3954524
A_55_P1971	46.1	Detected	55.3	Detected	46.1	Detected	58.6	Detected	Fbll1	1.271149675	1	1.0596745	0.8336347
A_51_P3553	56.8	Detected	96.8	Detected	44.9	Detected	72.2	Detected	Cyp3a11	1.271126761	0.79049296	0.74586777	0.463843
A_51_P3789	804.5	Detected	889.5	Detected	1065.3	Detected	1022.6	Detected	Ccdc159	1.271100062	1.32417651	1.14963463	1.1976391
A_55_P2014	27.3	Detected	27.6	Detected	35.4	Detected	34.7	Not Detect	Olf94	1.271062271	1.2967033	1.25724638	1.2826087
A_55_P2003	32.1	Detected	28	Detected	24.9	Detected	40.8	Not Detect	Pcdh1	1.271028037	0.77570093	1.45714286	0.8892857
A_55_P2029	15.5	Detected	10.4	Not Detect	19.6	Detected	19.7	Not Detect	Btbd8	1.270967742	1.26451613	1.89423077	1.8846154
A_55_P2203	952.7	Detected	965.8	Detected	1072.5	Detected	1210.8	Detected	Scn5a	1.270914244	1.12574787	1.25367571	1.1104784
A_51_P3465	689.9	Detected	589.1	Detected	474.1	Detected	876.8	Detected	Zcchc7	1.270908827	0.68720104	1.48837209	0.804787
A_51_P3783	733.7	Detected	886.2	Detected	672.2	Detected	932.4	Detected	4933436C20Rik	1.270819136	0.91617827	1.0521327	0.7585195
A_51_P4361	3740.9	Detected	3745.6	Detected	6834	Detected	4754	Detected	Nudt22	1.270817183	1.82683312	1.26922255	1.8245408
A_55_P2248	132.6	Detected	144.6	Detected	111.3	Detected	168.5	Detected	C430003N24Rik	1.270739065	0.83936652	1.16528354	0.7697095
A_55_P2053	11044.5	Detected	7670.6	Detected	6012.9	Detected	14034.3	Detected	Map4	1.270704876	0.54442483	1.82962219	0.7838891
A_55_P2347	716.3	Detected	734.2	Detected	1085	Detected	910.2	Detected	3010003L21Rik	1.270696635	1.51472847	1.2397167	1.477799
A_51_P4060	4792.5	Detected	6253	Detected	5552.9	Detected	6089.2	Detected	Fam203a	1.270568597	1.15866458	0.97380457	0.8880377
A_52_P6241	67254.9	Detected	79791.2	Detected	80176.1	Detected	85446.8	Detected	Hsp90b1	1.270491815	1.1921228	1.07088	1.0048238
A_52_P4302	4764.1	Detected	7079.8	Detected	3667.6	Detected	6052.3	Detected	Nacc1	1.270397347	0.7698411	0.85486878	0.5180372
A_51_P1685	1992.5	Detected	2068.2	Detected	2202.2	Detected	2531.2	Detected	Mob1a	1.270363864	1.10524467	1.22386616	1.0647906
A_51_P1774	105.8	Detected	135.4	Detected	103.6	Detected	134.4	Detected	Ctrl	1.270321361	0.97920605	0.99261448	0.7651403
A_51_P4352	7584.2	Detected	8399.5	Detected	5858.2	Detected	9633.5	Detected	Cul4a	1.270206482	0.77242161	1.14691351	0.6974463
A_55_P2113	23949.9	Detected	27915.2	Detected	27310.4	Detected	30419.8	Detected	Nup205	1.27014309	1.14031374	1.08972173	0.9783344

A_55_P1970	676.1	Detected	579.4	Detected	496.3	Detected	858.7	Detected	Igsf9b	1.270078391	0.73406301	1.4820504	0.8565758
A_52_P8721	15621.7	Detected	17863.8	Detected	17839.6	Detected	19838.8	Detected	Dcun1d5	1.269951414	1.14197559	1.11055878	0.9986453
A_51_P4603	285.4	Detected	310.6	Detected	242.5	Detected	362.4	Detected	Zfp65	1.269796776	0.84968465	1.16677399	0.7807469
A_55_P1964	1038	Detected	728.6	Detected	696.8	Detected	1318	Detected	Agfg2	1.269749518	0.67129094	1.80894867	0.9563547
A_55_P2130	10225.9	Detected	10978.6	Detected	10974.5	Detected	12984.3	Detected	Tuft1	1.269746428	1.07320627	1.18269178	0.9996265
A_52_P2094	48.2	Detected	21.9	Detected	34.3	Detected	61.2	Detected	Tmem88	1.269709544	0.71161826	2.79452055	1.56621
A_55_P2091	1663.9	Detected	1424.4	Detected	1530.9	Detected	2112.6	Detected	Cep164	1.269667648	0.92006731	1.4831508	1.0747683
A_55_P2128	29185.7	Detected	29851.2	Detected	27632	Detected	37056	Detected	Clta	1.269662883	0.94676503	1.24135713	0.9256579
A_52_P6285	2503.8	Detected	2835.4	Detected	1914.8	Detected	3178.7	Detected	Pvr	1.269550284	0.76475757	1.12107639	0.6753192
A_55_P2030	208.5	Detected	240	Detected	237.8	Detected	264.7	Detected	Ifna1	1.269544365	1.14052758	1.10291667	0.9908333
A_52_P7110	1340.3	Detected	903.2	Detected	1546.9	Detected	1701.4	Detected	Sertad3	1.269417295	1.15414459	1.88374668	1.7126882
A_55_P2005	21.9	Detected	23.6	Detected	26.4	Detected	27.8	Not Detect	Dcps	1.269406393	1.20547945	1.1779661	1.1186441
A_55_P2100	1957.9	Detected	2001.2	Detected	1821.2	Detected	2485.1	Detected	Irf6	1.269268093	0.9301803	1.24180492	0.910054
A_51_P2055	7.8	Not Detect	90.3	Detected	3.5	Not Detect	9.9	Not Detect	Otor	1.269230769	0.44871795	0.10963455	0.0387597
A_55_P2161	76.9	Detected	97.5	Detected	105.7	Detected	97.6	Detected	Zfp94	1.269180754	1.37451235	1.00102564	1.0841026
A_55_P2098	45.7	Detected	36.1	Detected	24.5	Detected	58	Detected	Dnajc2	1.269146608	0.53610503	1.6066482	0.6786704
A_52_P5557	25109.3	Detected	24598.1	Detected	18612.8	Detected	31866.5	Detected	Ywhag	1.269111445	0.74127116	1.29548624	0.7566763
A_66_P1117	1397.4	Detected	1298.6	Detected	1480.8	Detected	1773.4	Detected	4930432M17Rik	1.269071132	1.05968227	1.36562452	1.1403049
A_51_P1918	2233	Detected	1537.2	Detected	3100.2	Detected	2833.8	Detected	2410022M11Rik	1.269055083	1.38835647	1.84348165	2.0167838
A_55_P1976	903.2	Detected	758.8	Detected	1010.4	Detected	1146.2	Detected	Fbxl20	1.269043401	1.11868911	1.51054296	1.3315762
A_55_P1961	74796.8	Detected	62477.7	Detected	75734.6	Detected	94906.9	Detected	Ppp1cc	1.268863106	1.01253797	1.5190524	1.2121861
A_51_P1760	3659.8	Detected	5251.9	Detected	3134.2	Detected	4643.6	Detected	Cmtr2	1.268812503	0.85638559	0.88417525	0.5967745
A_55_P2435	2552.5	Detected	2368.2	Detected	2483.5	Detected	3238.6	Detected	5830418K08Rik	1.268795299	0.97296768	1.36753653	1.0486868
A_51_P2363	2464.9	Detected	2328	Detected	3045.5	Detected	3127.3	Detected	Gtf2e1	1.268733011	1.23554708	1.34334192	1.3082045
A_55_P2074	596.9	Detected	699.8	Detected	526.4	Detected	757.3	Detected	Lyar	1.268721729	0.88188976	1.08216633	0.7522149
A_55_P2133	108.3	Detected	102.7	Detected	117.9	Detected	137.4	Detected	Gm436	1.268698061	1.08864266	1.33787731	1.1480039
A_55_P1967	93.8	Detected	112.9	Detected	123.7	Detected	119	Detected	Kdelc1	1.268656716	1.31876333	1.05403012	1.0956599
A_55_P2132	13.4	Detected	16.6	Detected	13.5	Not Detect	17	Not Detect	Gm9804	1.268656716	1.00746269	1.02409639	0.813253
A_55_P2125	37.6	Detected	37.3	Detected	48.9	Detected	47.7	Not Detect	Cacna1d	1.268617021	1.30053191	1.27882038	1.310992
A_65_P0482	57	Detected	68.8	Detected	47	Detected	72.3	Detected	Cwc25	1.268421053	0.8245614	1.05087209	0.6831395
A_51_P1055	31030.1	Detected	32652.8	Detected	34066.4	Detected	39356.7	Detected	Nomo1	1.268339451	1.09785015	1.20530858	1.0432918
A_52_P4943	590.7	Detected	1685.7	Detected	461.8	Detected	749.2	Detected	Zxdc	1.268325715	0.78178432	0.44444444	0.2739515
A_55_P1983	15936.6	Detected	16491.2	Detected	19487.4	Detected	20212.7	Detected	Sdhc	1.268319466	1.22280788	1.22566581	1.1816848
A_55_P2356	8.2	Not Detect	19.4	Detected	11.3	Not Detect	10.4	Not Detect	6430562O15Rik	1.268292683	1.37804878	0.53608247	0.5824742
A_51_P1696	711.7	Detected	847.5	Detected	819.4	Detected	902.6	Detected	Utp15	1.268230996	1.15132781	1.06501475	0.9668437
A_51_P2884	18876	Detected	25115	Detected	19342.4	Detected	23939.1	Detected	Nup133	1.268229498	1.02470862	0.95317937	0.7701533
A_51_P2017	49.6	Detected	56.4	Detected	88	Detected	62.9	Detected	Morn5	1.268145161	1.77419355	1.11524823	1.5602837
A_66_P1360	23614.7	Detected	21807.5	Detected	24421.2	Detected	29944.5	Detected	Coasy	1.268044904	1.03415246	1.37312851	1.1198533
A_55_P2231	65.3	Detected	72.2	Detected	57.2	Detected	82.8	Detected	Gm13372	1.267993874	0.87595712	1.1468144	0.7922438
A_51_P5118	844.3	Detected	673.2	Detected	767.6	Detected	1070.5	Detected	Oma1	1.267914248	0.90915551	1.59016637	1.1402258

A_55_P1989	8507.5	Detected	5444.1	Detected	8114.6	Detected	10786.4	Detected	Tmem164	1.267869527	0.95381722	1.98130086	1.490531
A_66_P1211	66.1	Detected	55.2	Detected	72.9	Detected	83.8	Detected	Gm15413	1.267776097	1.10287443	1.51811594	1.3206522
A_55_P2181	348.8	Detected	450.4	Detected	332.2	Detected	442.2	Detected	Btg1	1.267775229	0.95240826	0.98179396	0.7375666
A_55_P2040	10533.6	Detected	8873.7	Detected	8203	Detected	13354.1	Detected	Lrrc45	1.267762209	0.77874611	1.50490776	0.9244171
A_55_P1960	1711.2	Detected	1577.8	Detected	1448.8	Detected	2169.2	Detected	Polg	1.267648434	0.84665732	1.37482571	0.9182406
A_55_P2002	29734	Detected	21178.5	Detected	35743.3	Detected	37690.5	Detected	Nelfb	1.267589292	1.20210197	1.77965862	1.6877163
A_55_P2103	25083.9	Detected	27987.9	Detected	21835.5	Detected	31794.5	Detected	Gsr	1.267526182	0.87049861	1.13600878	0.7801764
A_52_P2380	49	Detected	47.2	Detected	51.6	Detected	62.1	Detected	Anapc11	1.267346939	1.05306122	1.31567797	1.0932203
A_51_P2296	20148.4	Detected	17297.3	Detected	24249.2	Detected	25535	Detected	Plscr1	1.267346291	1.20352981	1.47624196	1.4019067
A_51_P4617	15466.6	Detected	14110.6	Detected	13297.2	Detected	19601.2	Detected	Atp6ap2	1.267324428	0.85973646	1.38911173	0.9423554
A_55_P2007	34.8	Detected	41.2	Detected	42.3	Detected	44.1	Not Detect	A530021J07Rik	1.267241379	1.21551724	1.07038835	1.026699
A_55_P2021	76017.5	Detected	71241.7	Detected	99083.4	Detected	96327.3	Detected	Tbrg1	1.26717269	1.30342882	1.35211962	1.3908062
A_51_P3721	22215.4	Detected	27195.5	Detected	12785.9	Detected	28150.7	Detected	Plod3	1.267170521	0.57554219	1.03512346	0.4701476
A_55_P2043	464.5	Detected	403.2	Detected	707.3	Detected	588.6	Detected	Zfp607	1.267168999	1.52271259	1.45982143	1.7542163
A_55_P2045	5070.2	Detected	4953	Detected	4091.9	Detected	6424.8	Detected	Mlxpl	1.267168948	0.80704903	1.29715324	0.8261458
A_55_P2094	14.6	Not Detect	49.8	Detected	23.1	Detected	18.5	Not Detect	Ms4a10	1.267123288	1.58219178	0.37148594	0.4638554
A_65_P1105	20441.6	Detected	18043.5	Detected	23896.6	Detected	25901.9	Detected	Letm1	1.267117055	1.16901808	1.43552526	1.3243883
A_51_P2084	7293.2	Detected	6565.1	Detected	7688.2	Detected	9241.1	Detected	Ppp1r12c	1.267084407	1.05416004	1.40760994	1.1710713
A_55_P1980	5773.3	Detected	5535.3	Detected	5347	Detected	7315.1	Detected	Zkscan1	1.267056969	0.92616008	1.32153632	0.965982
A_65_P0539	1825.7	Detected	2439.2	Detected	2179.2	Detected	2313.2	Detected	Rad18	1.267020869	1.19362436	0.94834372	0.8934077
A_52_P4287	10131.5	Detected	7078.5	Detected	10916.5	Detected	12836.7	Detected	Camk2d	1.267008834	1.07748112	1.81347743	1.5422053
A_55_P2136	181528.6	Detected	244972.1	Detected	219447	Detected	229973.4	Detected	Gm6981	1.266871446	1.20888389	0.93877384	0.8958041
A_66_P1264	31165.1	Detected	34761.5	Detected	44269.7	Detected	39481.7	Detected	Brk1	1.266856195	1.42048959	1.13578816	1.2735267
A_66_P1242	3177.1	Detected	1860.1	Detected	2258.5	Detected	4024.7	Detected	Gm6557	1.266784174	0.7108684	2.16370088	1.214182
A_55_P1985	1222.5	Detected	1138	Detected	1470.4	Detected	1548.5	Detected	Fastkd1	1.266666667	1.20278119	1.36072056	1.2920914
A_51_P4722	32901	Detected	27781.1	Detected	47537	Detected	41673.9	Detected	Sapcd2	1.266645391	1.4448497	1.50008099	1.7111273
A_52_P5965	3203.4	Detected	3243.4	Detected	3439.5	Detected	4057.3	Detected	Kdelr1	1.266560529	1.07370294	1.25094037	1.0604612
A_51_P1650	177.6	Detected	103.3	Detected	230.7	Detected	224.9	Detected	Tmem191c	1.266328829	1.29898649	2.17715392	2.2333011
A_55_P2178	947.8	Detected	830.9	Detected	728.7	Detected	1200.2	Detected	Arhgap27	1.266300907	0.76883309	1.44445782	0.8770008
A_55_P1973	1969.7	Detected	2377.7	Detected	2032.7	Detected	2494	Detected	Cttnbp2nl	1.266182667	1.03198457	1.04891281	0.8549018
A_51_P3030	37.2	Detected	4.1	Not Detect	75.2	Detected	47.1	Detected	Adcy8	1.266129032	2.02150538	11.4878049	18.341463
A_55_P2002	16439.1	Detected	18729.8	Detected	19381.5	Detected	20812.6	Detected	Rap1b	1.266042545	1.1789879	1.11120247	1.0347948
A_55_P2123	940.5	Detected	1001.2	Detected	945.1	Detected	1190.7	Detected	Grb2	1.266028708	1.00489102	1.18927287	0.9439672
A_52_P4248	477.5	Detected	670.6	Detected	659.6	Detected	604.5	Detected	Crbn	1.265968586	1.38136126	0.90143155	0.9835968
A_51_P2713	3756.9	Detected	3571.2	Detected	3547.5	Detected	4756.1	Detected	Wipf2	1.26596396	0.94426256	1.33179323	0.9933636
A_55_P2137	528.3	Detected	499.4	Detected	445.2	Detected	668.8	Detected	Mrfap1	1.265947378	0.84270301	1.33920705	0.8914698
A_66_P1113	73.7	Detected	69.8	Detected	105	Detected	93.3	Detected	Tmem178b	1.265943012	1.42469471	1.33667622	1.504298
A_55_P2093	1607.7	Detected	1862.7	Detected	1745.4	Detected	2035.2	Detected	Zfp599	1.265907819	1.08565031	1.09260751	0.9370269
A_55_P2011	2823.7	Detected	2226.1	Detected	2278.2	Detected	3574.5	Detected	Kif13a	1.265892269	0.80681376	1.60572301	1.0234042
A_55_P2250	623.5	Detected	601.2	Detected	557.7	Detected	789.2	Detected	6330566A10Rik	1.265757819	0.89446672	1.31270792	0.9276447

A_55_P1969	63766.5	Detected	68154.6	Detected	55638.5	Detected	80709.1	Detected	Cops6	1.265697506	0.87253495	1.1842062	0.8163572
A_52_P1825	888.4	Detected	1108.6	Detected	745.3	Detected	1124.4	Detected	Timm9	1.265646105	0.83892391	1.01425221	0.6722894
A_55_P2134	935.1	Detected	847.3	Detected	878.3	Detected	1183.5	Detected	Fam71e1	1.265640038	0.93925783	1.3967898	1.0365868
A_51_P5164	22844.9	Detected	20760.6	Detected	28216.4	Detected	28913.4	Detected	Eif3f	1.265639158	1.23512907	1.39270541	1.3591322
A_55_P1994	389.7	Detected	420.6	Detected	388.6	Detected	493.2	Detected	Tmem14a	1.265588915	0.99717732	1.17261056	0.9239182
A_51_P3675	1736.3	Detected	1848.9	Detected	1596.2	Detected	2197.4	Detected	Rsph3a	1.265564707	0.91931118	1.18849045	0.8633241
A_52_P5986	7065	Detected	9345.6	Detected	9927.2	Detected	8941	Detected	1190007107Rik	1.265534324	1.40512385	0.9567069	1.0622325
A_51_P1603	19703.5	Detected	15391.1	Detected	23683.3	Detected	24934.1	Detected	Wbp1	1.265465526	1.20198442	1.62003366	1.5387659
A_51_P2014	187.6	Detected	244.8	Detected	232.4	Detected	237.4	Detected	Nrf1	1.265458422	1.23880597	0.96977124	0.9493464
A_55_P2023	55.4	Detected	57	Detected	27	Detected	70.1	Detected	Kiss1r	1.26534296	0.48736462	1.22982456	0.4736842
A_55_P2033	112.7	Detected	88.9	Detected	88.5	Detected	142.6	Detected	Gm12253	1.265306122	0.78527063	1.60404949	0.9955006
A_55_P2084	493.5	Detected	514.4	Detected	609.9	Detected	624.4	Detected	Csrnp3	1.265248227	1.23586626	1.21384137	1.1856532
A_51_P1827	386.6	Detected	508.6	Detected	408	Detected	489.1	Detected	Stx1a	1.265131919	1.05535437	0.96165946	0.8022021
A_51_P4804	11267.9	Detected	14463.3	Detected	11414.9	Detected	14255.1	Detected	Emc8	1.265107074	1.01304591	0.98560494	0.7892321
A_52_P5814	14648.4	Detected	11740	Detected	13621.7	Detected	18531.7	Detected	Pdha1	1.265100625	0.92991043	1.57850937	1.1602811
A_55_P2384	367.9	Detected	325.4	Detected	370.2	Detected	465.3	Detected	4930425O10Rik	1.264745855	1.0062517	1.42993239	1.1376767
A_55_P2125	15698.2	Detected	23302.7	Detected	4282.2	Detected	19854	Detected	Pdgfa	1.264730988	0.27278287	0.85200427	0.1837641
A_52_P1789	1005.6	Detected	1366.6	Detected	1505.8	Detected	1271.8	Detected	Seh1l	1.264717582	1.49741448	0.93063076	1.1018586
A_55_P2081	582.2	Detected	551.9	Detected	791.8	Detected	736.3	Detected	1700056E22Rik	1.264685675	1.36001374	1.3341185	1.4346802
A_55_P2032	3366.5	Detected	2506.1	Detected	3850.6	Detected	4257.5	Detected	2610034B18Rik	1.264666568	1.1437992	1.69885479	1.536491
A_55_P2228	244.1	Detected	253.7	Detected	264.6	Detected	308.7	Detected	Agtppb1	1.264645637	1.08398197	1.21679149	1.0429641
A_55_P2006	125.9	Detected	123.5	Detected	121.2	Detected	159.2	Detected	4930451C15Rik	1.264495631	0.96266878	1.28906883	0.9813765
A_55_P2169	48.4	Detected	46.5	Detected	33.3	Detected	61.2	Detected	Tnfrsf13b	1.26446281	0.68801653	1.31612903	0.716129
A_55_P2083	4313.6	Detected	5027.9	Detected	4874.4	Detected	5454.1	Detected	Spryd7	1.264396328	1.13000742	1.084767	0.9694704
A_51_P4372	116.5	Detected	126.6	Detected	108.1	Detected	147.3	Detected	Arap1	1.264377682	0.927897	1.16350711	0.8538705
A_55_P2045	1148.3	Detected	1112	Detected	1484.5	Detected	1451.6	Detected	Sirt7	1.264129583	1.29278063	1.30539568	1.334982
A_55_P2062	5767.8	Detected	7508.1	Detected	7004.3	Detected	7290.6	Detected	Arl1	1.264017476	1.21437983	0.97103129	0.9328991
A_51_P5140	28.8	Detected	18.8	Detected	96.1	Detected	36.4	Not Detect	Mx2	1.263888889	3.33680556	1.93617021	5.1117021
A_51_P4832	3408.8	Detected	2678.5	Detected	3997.9	Detected	4307.9	Detected	Pomt1	1.263758507	1.17281741	1.60832556	1.4925891
A_55_P2103	32087.2	Detected	26988.3	Detected	28743	Detected	40548.7	Detected	Hgs	1.263703284	0.89577776	1.50245477	1.0650171
A_55_P2008	3151	Detected	3429.1	Detected	3201.9	Detected	3981.9	Detected	Syp	1.263694065	1.0161536	1.16120848	0.9337435
A_65_P1668	703.1	Detected	512.5	Detected	595.3	Detected	888.5	Detected	Taok2	1.263689376	0.84667899	1.73365854	1.161561
A_55_P2069	767.5	Detected	685	Detected	699.1	Detected	969.8	Detected	Sacs	1.263583062	0.91087948	1.41576642	1.0205839
A_55_P2102	8749.7	Detected	6717	Detected	7374.5	Detected	11055.3	Detected	Spag9	1.263506177	0.8428289	1.64586869	1.097886
A_55_P1995	47018.5	Detected	38752.5	Detected	52717.2	Detected	59407.4	Detected	Ubald2	1.263489903	1.12120123	1.53299529	1.3603561
A_52_P3768	7304.7	Detected	7181.7	Detected	8663	Detected	9229.4	Detected	Fkbp9	1.263487891	1.18594877	1.28512748	1.2062604
A_52_P4272	766.4	Detected	657.2	Detected	714.2	Detected	968.3	Detected	Ltn1	1.263439457	0.93188935	1.47337188	1.0867316
A_52_P3030	1217.9	Detected	1045.1	Detected	1524.1	Detected	1538.5	Detected	Rogdi	1.263240003	1.25141637	1.47210793	1.4583293
A_55_P2420	325.6	Detected	320.6	Detected	297.4	Detected	411.3	Detected	AL118220	1.263206388	0.91339066	1.28290705	0.9276357
A_51_P5016	55.1	Detected	44.7	Detected	47.6	Detected	69.6	Detected	1700120K04Rik	1.263157895	0.86388385	1.55704698	1.064877

A_52_P2122	405.1	Detected	444.6	Detected	337.3	Detected	511.7	Detected	Pomt2	1.263144902	0.83263392	1.15092218	0.7586595
A_55_P2081	4935.4	Detected	5803.2	Detected	3831	Detected	6233.4	Detected	Slc46a1	1.262997933	0.77622888	1.07413151	0.660153
A_55_P1985	324.6	Detected	319.4	Detected	363.1	Detected	409.9	Detected	Gbbp111	1.262784966	1.11860752	1.28334377	1.136819
A_55_P2108	12026.6	Detected	9521.7	Detected	14162.8	Detected	15186.4	Detected	Dgcr2	1.262734272	1.17762294	1.59492528	1.4874235
A_52_P5525	1706.7	Detected	1624.3	Detected	1589.3	Detected	2155	Detected	Agtrap	1.262670651	0.93121228	1.32672536	0.9784523
A_52_P4621	6590.6	Detected	8660.6	Detected	5911.4	Detected	8320.9	Detected	Smarca5-ps	1.262540588	0.89694413	0.96077639	0.6825624
A_55_P2093	92.6	Detected	99.8	Detected	79.9	Detected	116.9	Detected	Gm5092	1.262419006	0.86285097	1.17134269	0.8006012
A_55_P2091	676.6	Detected	731.3	Detected	578.5	Detected	854.1	Detected	Trim33	1.262341117	0.85501035	1.16792014	0.791057
A_55_P2158	156990.4	Detected	222314.9	Detected	167365	Detected	198172	Detected	Rpl18a	1.262319225	1.0660843	0.89140224	0.7528285
A_55_P2139	39734.8	Detected	30512.5	Detected	50484.2	Detected	50151.6	Detected	Myl12b	1.262158108	1.2705286	1.64364113	1.6545416
A_55_P2052	51280.3	Detected	56031.4	Detected	58537.9	Detected	64713.5	Detected	Uqcrh	1.261956346	1.14152803	1.15495062	1.0447338
A_51_P3119	70823.8	Detected	74128.5	Detected	83748.4	Detected	89371.7	Detected	P4hb	1.261887953	1.1824895	1.20563211	1.1297733
A_55_P2127	86.3	Detected	112.2	Detected	71.6	Detected	108.9	Detected	Bcas3	1.261877173	0.82966396	0.97058824	0.6381462
A_55_P1968	104.3	Detected	106.5	Detected	96.7	Detected	131.6	Detected	Vmn1r173	1.261744966	0.92713327	1.23568075	0.9079812
A_51_P1841	2913.6	Detected	3140.2	Detected	3183.7	Detected	3676.2	Detected	Capn7	1.261738056	1.09270319	1.17068976	1.0138526
A_51_P3443	5816.8	Detected	6379.2	Detected	9686.4	Detected	7338.6	Detected	Rilpl2	1.26162151	1.6652455	1.15039503	1.5184349
A_51_P1657	100277.7	Detected	104434.5	Detected	97944.6	Detected	126508.2	Detected	Mcm7	1.261578596	0.97673361	1.21136406	0.9378567
A_55_P2172	9936.2	Detected	10834.7	Detected	8210.4	Detected	12533.5	Detected	F10	1.261397717	0.82631187	1.15679253	0.7577875
A_52_P3542	2543.1	Detected	1855.5	Detected	2456.9	Detected	3207.6	Detected	Ap2a2	1.26129527	0.96610436	1.72869846	1.3241175
A_66_P1241	125.6	Detected	111.4	Detected	107	Detected	158.4	Detected	Prkx	1.261146497	0.85191083	1.42190305	0.9605027
A_51_P4892	150649.3	Detected	165852.6	Detected	186257.5	Detected	189967.7	Detected	Eif3g	1.260992915	1.23636486	1.1454008	1.1230303
A_55_P2214	105	Detected	104.3	Detected	73.9	Detected	132.4	Detected	4932439E07Rik	1.260952381	0.70380952	1.26941515	0.7085331
A_55_P2349	5485.6	Detected	3769.7	Detected	6424.3	Detected	6916.7	Detected	5830408B19Rik	1.260883039	1.17112075	1.83481444	1.704194
A_55_P1967	166406.1	Detected	227851.9	Detected	208530.5	Detected	209814.5	Detected	Gm5069	1.260858226	1.25314216	0.92083718	0.9152019
A_55_P2142	11689.6	Detected	11297.3	Detected	12250.9	Detected	14738.7	Detected	Lrrc48	1.260838694	1.04801704	1.30462146	1.0844095
A_66_P1380	32135.6	Detected	40114.5	Detected	40297.5	Detected	40515.2	Detected	Gfm1	1.26075754	1.25398312	1.00998891	1.0045619
A_52_P6572	929.1	Detected	1173.1	Detected	1125	Detected	1171.3	Detected	Cdc40	1.260682381	1.21084921	0.9984656	0.9589975
A_51_P1612	16.5	Detected	18.7	Detected	37.4	Detected	20.8	Not Detect	Scg3	1.260606061	2.26666667	1.11229947	2
A_52_P6615	14.2	Not Detect	33.9	Detected	53.4	Detected	17.9	Not Detect	Ccdc141	1.26056338	3.76056338	0.5280236	1.5752212
A_55_P2160	516.2	Detected	184.1	Detected	418.9	Detected	650.7	Detected	Foxd2	1.260557923	0.81150717	3.53449212	2.2753938
A_51_P3141	33.4	Detected	65.5	Detected	56.1	Detected	42.1	Not Detect	Gsdma	1.260479042	1.67964072	0.64274809	0.8564885
A_55_P1964	40775.1	Detected	41682.7	Detected	51136.8	Detected	51394.4	Detected	Tprkb	1.260435903	1.25411832	1.23299115	1.2268111
A_55_P2009	19.2	Detected	17.3	Detected	11.5	Not Detect	24.2	Not Detect	Hlf	1.260416667	0.59895833	1.39884393	0.6647399
A_52_P3879	7301.9	Detected	6105.6	Detected	8267.9	Detected	9202.9	Detected	Dctn5	1.260343198	1.13229433	1.50728839	1.3541503
A_55_P2083	8971.1	Detected	6147.2	Detected	8068.1	Detected	11306.4	Detected	Sec16a	1.260313674	0.89934345	1.83927642	1.3124837
A_55_P1961	56513.8	Detected	69429.8	Detected	78870.2	Detected	71222.2	Detected	Uqcr11	1.260262095	1.39559187	1.025816	1.1359704
A_51_P2424	3781.5	Detected	4007	Detected	2348.8	Detected	4765.6	Detected	Micall1	1.260240645	0.62112918	1.18931869	0.5861742
A_55_P1974	22548.9	Detected	22038.3	Detected	26833.5	Detected	28416.9	Detected	Ptges	1.260234424	1.1900137	1.28943249	1.2175848
A_52_P9816	433.6	Detected	380.6	Detected	641.4	Detected	546.4	Detected	Zfp874a	1.260147601	1.47924354	1.43562796	1.6852338
A_55_P2172	57.3	Detected	58.4	Detected	68.7	Detected	72.2	Detected	Nrgn	1.260034904	1.19895288	1.23630137	1.1763699

A_52_P6321	662 Detected	675.9 Detected	694.7 Detected	834.1 Detected	Nfx1	1.259969789	1.04939577	1.23405829	1.0278148
A_66_P1205	14480.5 Detected	11642.5 Detected	17441.6 Detected	18244.6 Detected	Plcd3	1.259942682	1.2044888	1.56706893	1.4980975
A_55_P2133	14218.1 Detected	12510.2 Detected	16834.2 Detected	17913.8 Detected	Wwc1	1.259929245	1.18399786	1.43193554	1.345638
A_55_P2087	22.7 Detected	43.4 Detected	31.6 Detected	28.6 Not Detect	Gm4022	1.259911894	1.39207048	0.65898618	0.7281106
A_51_P2785	15099.8 Detected	19326.6 Detected	13264.9 Detected	19023.1 Detected	Tecr	1.259824633	0.87848183	0.98429625	0.6863546
A_55_P2172	2174.3 Detected	2184.7 Detected	1769.6 Detected	2739.2 Detected	Mfn2	1.259807754	0.81387113	1.25381059	0.8099968
A_51_P2793	2808.5 Detected	2196.9 Detected	4432.3 Detected	3538.1 Detected	Acbd5	1.259782802	1.5781734	1.61049661	2.0175247
A_55_P2341	82 Detected	73.2 Detected	84.3 Detected	103.3 Detected	4930529I22Rik	1.259756098	1.02804878	1.41120219	1.1516393
A_55_P1956	1401.1 Detected	1433.6 Detected	1302.8 Detected	1764.9 Detected	6030458C11Rik	1.25965313	0.92984084	1.23109654	0.9087612
A_55_P2137	1454.2 Detected	1783.3 Detected	1359.7 Detected	1831.7 Detected	Mettl20	1.259592903	0.93501582	1.02714069	0.7624628
A_55_P2154	14253.8 Detected	10452.4 Detected	19000.2 Detected	17953.7 Detected	Gfpt1	1.259572886	1.3329919	1.71766293	1.8177835
A_55_P2003	853.5 Detected	456.2 Detected	595.8 Detected	1075 Detected	Stxbp6	1.259519625	0.69806678	2.35642262	1.3060061
A_55_P2063	18.5 Detected	24 Detected	14.5 Not Detect	23.3 Not Detect	Aldoat2	1.259459459	0.78378378	0.97083333	0.6041667
A_55_P2026	172201.7 Detected	221467.4 Detected	184710.4 Detected	216878.3 Detected	Gm4802	1.259443432	1.07263982	0.97927867	0.8340297
A_51_P2988	5584.2 Detected	6512.8 Detected	5837.3 Detected	7032.9 Detected	Pcbd2	1.259428387	1.04532431	1.07985813	0.8962812
A_55_P2050	16335.6 Detected	16718.1 Detected	16424.9 Detected	20573.1 Detected	Fcrl5	1.259402777	1.00546659	1.2305884	0.9824621
A_52_P2500	173.1 Detected	149 Detected	140.5 Detected	218 Detected	Ticrr	1.259387637	0.81166956	1.46308725	0.942953
A_66_P1115	34.7 Detected	19.4 Detected	27 Detected	43.7 Detected	LOC101055727	1.259365994	0.77809798	2.25257732	1.3917526
A_55_P2079	49906 Detected	74026.2 Detected	49020.7 Detected	62847 Detected	Kars	1.259307498	0.98226065	0.8489832	0.6622074
A_55_P2085	8.1 Not Detect	20.7 Detected	6.7 Not Detect	10.2 Not Detect	Kif26a	1.259259259	0.82716049	0.49275362	0.3236715
A_51_P4753	611 Detected	1114.9 Detected	1008.2 Detected	769.3 Detected	Chrnbl	1.25908347	1.65008183	0.69001704	0.9042963
A_66_P1324	47.1 Detected	33 Detected	46.1 Detected	59.3 Detected	Asic3	1.259023355	0.97876858	1.7969697	1.3969697
A_51_P1341	97.3 Detected	86.3 Detected	74.7 Detected	122.5 Detected	Cyp2c70	1.258992806	0.76772867	1.41946698	0.8655852
A_55_P2171	132.9 Detected	113.5 Detected	119.4 Detected	167.3 Detected	Dnmt3aos	1.258841234	0.89841986	1.47400881	1.0519824
A_66_P1349	85 Detected	88.2 Detected	68 Detected	107 Detected	Gm410	1.258823529	0.8	1.21315193	0.7709751
A_66_P1347	417.3 Detected	604.8 Detected	401.4 Detected	525.3 Detected	2610044O15Rik8	1.258806614	0.96189792	0.86855159	0.6636905
A_55_P1955	105.1 Detected	165.6 Detected	176.6 Detected	132.3 Detected	Bbs1	1.258801142	1.68030447	0.79891304	1.0664251
A_51_P4320	22.8 Detected	28.3 Detected	24.4 Detected	28.7 Not Detect	Gm9744	1.25877193	1.07017544	1.01413428	0.8621908
A_55_P2035	34.4 Detected	23 Detected	19.5 Detected	43.3 Not Detect	Fgf7	1.25872093	0.56686047	1.8826087	0.8478261
A_66_P1066	226.5 Detected	216.9 Detected	217.1 Detected	285.1 Detected	Ffar3	1.258719647	0.9584989	1.31443061	1.0009221
A_55_P2154	720.5 Detected	661.9 Detected	722.3 Detected	906.9 Detected	2810006K23Rik	1.25870923	1.00249827	1.37014655	1.0912525
A_55_P2124	1484.8 Detected	1498.8 Detected	1059.8 Detected	1868.9 Detected	Grhl1	1.258688039	0.71376616	1.24693088	0.707099
A_51_P2764	84.3 Detected	74.1 Detected	57.7 Detected	106.1 Detected	Tigd5	1.258600237	0.68446026	1.43184885	0.7786775
A_55_P2036	7619.5 Detected	7617.1 Detected	6660.7 Detected	9589.7 Detected	Fbxl12os	1.258573397	0.87416497	1.25896995	0.8744404
A_51_P1521	143.1 Detected	103.2 Detected	100.7 Detected	180.1 Detected	Pias3	1.258560447	0.7037037	1.74515504	0.9757752
A_51_P1500	236.7 Detected	249.8 Detected	220.1 Detected	297.9 Detected	Rrp7a	1.258555133	0.92986903	1.19255404	0.8811049
A_55_P2106	61.5 Detected	72 Detected	55.4 Detected	77.4 Detected	Scn2a1	1.258536585	0.90081301	1.075	0.7694444
A_55_P2279	240.8 Detected	233.4 Detected	256 Detected	303 Detected	5730414N17Rik	1.258305648	1.06312292	1.29820051	1.0968295
A_66_P1062	1381.6 Detected	1807.5 Detected	1303.5 Detected	1738.4 Detected	Vps54	1.258251303	0.94347134	0.9617704	0.7211618
A_51_P2147	98 Detected	85.7 Detected	93.4 Detected	123.3 Detected	Atp6v1e2	1.258163265	0.95306122	1.43873979	1.0898483

A_55_P2072	527.2	Detected	403.3	Detected	437.2	Detected	663.3	Detected	Vsig10	1.258156297	0.8292868	1.64468138	1.0840565
A_51_P2914	147463.7	Detected	194267.4	Detected	175762.5	Detected	185531.3	Detected	Gm6498	1.258148955	1.1919035	0.95503054	0.9047452
A_52_P6154	1906	Detected	1275.1	Detected	1940.5	Detected	2397.8	Detected	Tpra1	1.258027282	1.01810073	1.88047996	1.5218414
A_55_P2142	514.3	Detected	524.6	Detected	820.9	Detected	646.9	Detected	Serpina3h	1.257826171	1.59615011	1.23313	1.5648113
A_52_P1025	3883.9	Detected	3937.9	Detected	4714.3	Detected	4885.2	Detected	Dars2	1.257807874	1.21380571	1.24055969	1.1971609
A_52_P2144	685.9	Detected	775.3	Detected	813.8	Detected	862.7	Detected	Ccdc47	1.257763522	1.18647033	1.11273056	1.0496582
A_55_P2065	1696.5	Detected	1573	Detected	1363.4	Detected	2133.7	Detected	D430042O09Rik	1.257707044	0.80365458	1.35645264	0.8667514
A_66_P1080	25740.2	Detected	28680.5	Detected	23635.1	Detected	32373.4	Detected	Heatr1	1.257698075	0.91821742	1.12875996	0.8240826
A_55_P2220	250.5	Detected	303.5	Detected	190.7	Detected	315	Detected	D230035N22Rik	1.25748503	0.76127745	1.03789127	0.6283361
A_55_P1957	1987	Detected	2083.4	Detected	2162.1	Detected	2498.6	Detected	Atad2b	1.257473578	1.0881228	1.19928962	1.0377748
A_51_P1349	7409.7	Detected	5562.7	Detected	8235.1	Detected	9317.5	Detected	Shkbp1	1.257473312	1.11139452	1.67499596	1.4804142
A_55_P2167	47	Detected	49.6	Detected	48.6	Detected	59.1	Detected	Cdk15	1.257446809	1.03404255	1.19153226	0.9798387
A_55_P1986	19624.7	Detected	19510.2	Detected	20208.9	Detected	24674.5	Detected	Def8	1.257318583	1.02976861	1.26469744	1.035812
A_52_P3924	2749.7	Detected	1852.1	Detected	3379.1	Detected	3457	Detected	Hbp1	1.257228061	1.2288977	1.86652988	1.8244695
A_55_P2180	128.3	Detected	144.6	Detected	126.3	Detected	161.3	Detected	Zfp740	1.257209665	0.98441154	1.11549101	0.873444
A_55_P2015	5178.8	Detected	4448.1	Detected	4437.6	Detected	6510.2	Detected	Plekha1	1.257086584	0.85687804	1.4635912	0.9976394
A_55_P2108	4525.9	Detected	4665.8	Detected	7217.1	Detected	5688.9	Detected	Tlcd1	1.256965465	1.59462206	1.21927644	1.5468087
A_51_P1373	11705	Detected	5718.4	Detected	15367	Detected	14712.1	Detected	Cdh1	1.256907305	1.31285775	2.57276511	2.6872902
A_55_P2043	8044.9	Detected	8525.6	Detected	9498.6	Detected	10111.5	Detected	Aes	1.256883243	1.18069833	1.18601623	1.1141269
A_55_P1992	14569	Detected	16387.7	Detected	12460.3	Detected	18311.1	Detected	Gyg	1.256853593	0.85526117	1.11736851	0.7603446
A_55_P2042	121.9	Detected	601.7	Detected	36.2	Detected	153.2	Detected	Gbp11	1.256767842	0.29696473	0.25461193	0.0601629
A_55_P2080	440.9	Detected	387	Detected	582.6	Detected	554.1	Detected	BC003965	1.256747562	1.32138807	1.43178295	1.5054264
A_52_P1280	123397.2	Detected	170367.7	Detected	148082.8	Detected	155077.1	Detected	Gm5069	1.256731109	1.20004992	0.91024942	0.8691953
A_55_P2221	299.8	Detected	278.6	Detected	228.8	Detected	376.7	Detected	4930421J07Rik	1.256504336	0.76317545	1.35211773	0.8212491
A_51_P2089	50.3	Detected	58.5	Detected	47.8	Detected	63.2	Detected	Pgm3	1.256461233	0.95029821	1.08034188	0.817094
A_52_P3704	6771.7	Detected	8401.2	Detected	7996.5	Detected	8508.1	Detected	Riok3	1.256420101	1.18087039	1.01272437	0.9518283
A_51_P5210	50.7	Detected	62.6	Detected	50.5	Detected	63.7	Detected	Fam63a	1.256410256	0.99605523	1.01757188	0.8067093
A_55_P1966	206399.3	Detected	219615.1	Detected	202638.3	Detected	259321.9	Detected	Bpifc	1.256408815	0.98177804	1.18080178	0.9226975
A_55_P1981	39733.5	Detected	42029.5	Detected	46547.7	Detected	49916.8	Detected	Park7	1.256290032	1.1714976	1.18766105	1.1075007
A_55_P2083	2574.2	Detected	2905.3	Detected	3702.4	Detected	3233.7	Detected	Tatdn3	1.2561961	1.43827208	1.1130348	1.2743607
A_55_P2086	6213.9	Detected	5692	Detected	9128.7	Detected	7805.8	Detected	Rgl3	1.256183717	1.46907739	1.37136332	1.6037772
A_55_P2028	1570.5	Detected	1384.7	Detected	1327.7	Detected	1972.8	Detected	AW551984	1.256160458	0.84539955	1.42471293	0.9588358
A_52_P1026	2847.4	Detected	2555.6	Detected	2630.7	Detected	3576.5	Detected	Tbc1d8b	1.256058158	0.92389548	1.39947566	1.0293864
A_51_P1489	5993.6	Detected	8139.7	Detected	7513	Detected	7528.2	Detected	Dhx36	1.256039776	1.25350374	0.92487438	0.923007
A_55_P2036	10462.4	Detected	11027.1	Detected	10265.5	Detected	13141.1	Detected	Cpsf3l	1.256031121	0.98118023	1.19170952	0.9309338
A_55_P1963	3796.1	Detected	2737.2	Detected	2895.3	Detected	4767.9	Detected	Mib2	1.255999579	0.76270383	1.74188952	1.0577598
A_52_P2843	10034	Detected	9199.1	Detected	11560.8	Detected	12601.8	Detected	Smim20	1.255909906	1.15216265	1.36989488	1.2567316
A_66_P1075	122.7	Detected	77.6	Detected	142.3	Detected	154.1	Detected	Gm9958	1.25590872	1.1597392	1.98582474	1.8337629
A_51_P1334	172	Detected	159.2	Detected	164.1	Detected	216	Detected	Nck2	1.255813953	0.95406977	1.35678392	1.0307789
A_55_P1992	5839.9	Detected	7183.6	Detected	6756.2	Detected	7333.7	Detected	Tars2	1.255792051	1.15690337	1.02089482	0.9405034

A_55_P2087	61810.7	Detected	62657.6	Detected	55782.9	Detected	77619.4	Detected	Rapsn	1.255759925	0.90247967	1.23878668	0.8902815
A_55_P1957	3030.2	Detected	2742.4	Detected	3355.2	Detected	3805.2	Detected	Caskin2	1.255758696	1.10725365	1.38754376	1.2234539
A_55_P1984	39.5	Detected	31.6	Detected	27.7	Detected	49.6	Detected	Gm9948	1.255696203	0.70126582	1.56962025	0.8765823
A_55_P2019	2929	Detected	3051.1	Detected	3513.4	Detected	3677.9	Detected	Ythdf3	1.255684534	1.19952202	1.20543411	1.1515191
A_51_P1483	7275.6	Detected	5814.5	Detected	7721	Detected	9135.3	Detected	Zfp710	1.255607785	1.06121832	1.57112391	1.3278872
A_51_P1613	1841.6	Detected	1433.5	Detected	2119.8	Detected	2312.2	Detected	Sesn2	1.255538662	1.15106429	1.61297524	1.4787583
A_55_P1988	3674.2	Detected	4357.1	Detected	3046.4	Detected	4613	Detected	Mlf1ip	1.255511404	0.82913287	1.05873173	0.6991806
A_55_P2083	1665.6	Detected	1941.1	Detected	1479.7	Detected	2091	Detected	BC023829	1.255403458	0.88838857	1.07722425	0.7622997
A_55_P2186	26619.7	Detected	38801.8	Detected	25802.1	Detected	33417.9	Detected	Rbmxl1	1.255382292	0.9692859	0.86124613	0.6649717
A_55_P2018	9695.9	Detected	12310.1	Detected	11271	Detected	12171.2	Detected	Ptges3	1.255293475	1.16245011	0.98871658	0.9155896
A_52_P5233	42.7	Detected	34.7	Detected	30.8	Detected	53.6	Detected	Psapl1	1.255269321	0.72131148	1.54466859	0.8876081
A_55_P2034	2786.5	Detected	3310.3	Detected	2805.9	Detected	3497.8	Detected	Ddx19a	1.255266463	1.00696214	1.05664139	0.8476271
A_55_P1978	281.7	Detected	251.3	Detected	244.9	Detected	353.6	Detected	Wasf2	1.255236067	0.86936457	1.40708317	0.9745324
A_55_P2140	23.9	Detected	41.4	Detected	37	Detected	30	Not Detect	Gm5129	1.255230126	1.54811715	0.72463768	0.8937198
A_52_P6169	23.9	Detected	52.1	Detected	13.6	Not Detect	30	Not Detect	9930111J21Rik2	1.255230126	0.56903766	0.57581574	0.2610365
A_55_P2049	13184.7	Detected	13693.2	Detected	11864.4	Detected	16549.2	Detected	Aggf1	1.255182143	0.8998612	1.20857068	0.8664447
A_55_P2024	45227.5	Detected	44169.7	Detected	46485.6	Detected	56766.1	Detected	Sec24c	1.255123542	1.02781715	1.28518192	1.0524319
A_55_P2033	3047.9	Detected	3943.1	Detected	3856.9	Detected	3825.3	Detected	Med6	1.255060862	1.26542866	0.97012503	0.978139
A_55_P2147	213.1	Detected	243.3	Detected	181.9	Detected	267.4	Detected	Ttc37	1.254809948	0.85358986	1.09905467	0.7476367
A_55_P2155	4122.9	Detected	4132.2	Detected	4023.7	Detected	5173.1	Detected	Mafa	1.254723617	0.97593927	1.25189971	0.9737428
A_55_P2148	1975.9	Detected	1521.4	Detected	1760.7	Detected	2479.2	Detected	Cat	1.254719368	0.89108761	1.62955173	1.1572893
A_52_P5651	568.5	Detected	561.6	Detected	482.4	Detected	713.3	Detected	Gcfc2	1.254705365	0.84854881	1.27012108	0.8589744
A_55_P2038	3126.2	Detected	3803.1	Detected	3537.5	Detected	3922.4	Detected	Rps3	1.2546862	1.13156548	1.03136915	0.9301622
A_51_P4377	11610.9	Detected	10778.8	Detected	12935.2	Detected	14566.8	Detected	0610031J06Rik	1.254579748	1.11405662	1.35143059	1.2000594
A_55_P2070	1042	Detected	1079.1	Detected	1281.3	Detected	1307.2	Detected	Emc10	1.254510557	1.22965451	1.21137985	1.1873784
A_51_P5066	5286.7	Detected	4906.2	Detected	6351.5	Detected	6631.6	Detected	Rpp38	1.2543931	1.20141109	1.35167747	1.2945864
A_51_P3637	6692.8	Detected	8015.1	Detected	8398.5	Detected	8395.4	Detected	Ap3m1	1.25439278	1.25485596	1.04744794	1.0478347
A_55_P2002	13586.9	Detected	17703.3	Detected	15643.2	Detected	17043.2	Detected	Bre	1.254384738	1.15134431	0.96271317	0.8836319
A_55_P2042	5239.4	Detected	4920.6	Detected	3815.2	Detected	6571.8	Detected	Polm	1.254303928	0.72817498	1.33556883	0.7753526
A_52_P5302	744.4	Detected	1250.1	Detected	432.5	Detected	933.7	Detected	Pim1	1.254298764	0.58100484	0.74690025	0.3459723
A_51_P5149	2711.5	Detected	7473.4	Detected	2475.2	Detected	3400.5	Detected	Tiparp	1.254102895	0.91285266	0.45501378	0.3312013
A_51_P1945	61.8	Detected	86.9	Detected	61.2	Detected	77.5	Detected	Alx3	1.254045307	0.99029126	0.89182969	0.7042578
A_51_P4063	10291.9	Detected	9866.4	Detected	14191.9	Detected	12905	Detected	Maf1	1.253898697	1.37893878	1.30797454	1.4384071
A_55_P2055	5943.1	Detected	5163.3	Detected	7394.4	Detected	7451.9	Detected	Enpp4	1.253874241	1.24419916	1.44324366	1.4321074
A_55_P2262	46.5	Detected	54.1	Detected	49.1	Detected	58.3	Detected	4930563F15Rik	1.253763441	1.05591398	1.07763401	0.9075786
A_55_P2126	17539.6	Detected	15574.2	Detected	27005.7	Detected	21990.1	Detected	Atxn7I3b	1.253740108	1.53969874	1.41195695	1.7340024
A_55_P2051	948.6	Detected	1167.2	Detected	764.7	Detected	1189.2	Detected	Gm4146	1.253636939	0.80613536	1.01884853	0.6551576
A_55_P1961	190.1	Detected	201.8	Detected	210	Detected	238.3	Detected	Pou3f1	1.253550763	1.10468175	1.18087215	1.0406343
A_55_P2085	218.5	Detected	166.8	Detected	189.9	Detected	273.9	Detected	Nxph4	1.253546911	0.86910755	1.64208633	1.1384892
A_52_P5196	303.3	Detected	271.6	Detected	361.3	Detected	380.2	Detected	Abca5	1.253544346	1.19122981	1.39985272	1.3302651

A_51_P1045	3763.6	Detected	3439.7	Detected	3886.9	Detected	4717.4	Detected	Atrip	1.253427569	1.03276119	1.37145681	1.1300113
A_52_P5921	3912.3	Detected	3903.7	Detected	4373.5	Detected	4903.7	Detected	Fam21	1.253405925	1.11788462	1.25616723	1.1203474
A_55_P2148	1566.9	Detected	1625.3	Detected	1726.9	Detected	1963.9	Detected	5830403L16Rik	1.25336652	1.10211245	1.20833077	1.0625115
A_55_P2159	30.4	Detected	48.4	Detected	33.5	Detected	38.1	Not Detect	Tas2r131	1.253289474	1.10197368	0.78719008	0.6921488
A_55_P2010	1969.7	Detected	1902.4	Detected	2335.2	Detected	2468.2	Detected	Zdhhc6	1.253084226	1.18556125	1.29741379	1.2275021
A_55_P2083	28722.9	Detected	30312.1	Detected	35077.4	Detected	35989.9	Detected	Snf8	1.253003701	1.22123462	1.18731134	1.1572078
A_55_P2090	3346.1	Detected	2936.4	Detected	2927.3	Detected	4192.6	Detected	Tbc1d8b	1.252981082	0.87483937	1.42780275	0.996901
A_51_P4652	983.3	Detected	1094.1	Detected	1144.1	Detected	1231.8	Detected	Mettl17	1.252720431	1.16353097	1.12585687	1.0456997
A_65_P2078	46.7	Detected	41.7	Detected	19	Detected	58.5	Detected	Vps8	1.25267666	0.40685225	1.4028777	0.4556355
A_55_P2099	131	Detected	125.3	Detected	94.2	Detected	164.1	Detected	Ect2	1.252671756	0.71908397	1.30965682	0.7517957
A_52_P2662	19	Detected	17.8	Not Detect	21.4	Detected	23.8	Not Detect	Fam92b	1.252631579	1.12631579	1.33707865	1.2022472
A_51_P4434	9870.5	Detected	10625.3	Detected	12697.5	Detected	12363.7	Detected	Bccip	1.252591054	1.286409	1.1636095	1.1950251
A_55_P1976	19.4	Detected	18	Not Detect	20.1	Detected	24.3	Not Detect	Pnp2	1.25257732	1.03608247	1.35	1.1166667
A_55_P1999	17258.3	Detected	17198.5	Detected	15706.4	Detected	21616.4	Detected	Gm10318	1.252521975	0.91007805	1.25687705	0.9132424
A_55_P2081	161.2	Detected	131.3	Detected	141.1	Detected	201.9	Detected	Cln6	1.25248139	0.87531017	1.53769992	1.0746382
A_55_P2183	103	Detected	113.2	Detected	67.5	Detected	129	Detected	Tbc1d2	1.252427184	0.65533981	1.13957597	0.5962898
A_51_P4950	2858.4	Detected	3784.1	Detected	1736.8	Detected	3579.4	Detected	Rab15	1.252239015	0.60761265	0.94590524	0.4589731
A_52_P1724	1049.7	Detected	986.9	Detected	1280.9	Detected	1314.4	Detected	A230046K03Rik	1.252167286	1.22025341	1.3318472	1.2979025
A_66_P1081	1424.5	Detected	1471.3	Detected	1503.4	Detected	1783.6	Detected	Lin52	1.252088452	1.05538786	1.21226127	1.0218174
A_52_P2365	180.5	Detected	163.6	Detected	168.5	Detected	226	Detected	4930431P19Rik	1.252077562	0.93351801	1.38141809	1.0299511
A_51_P3005	158.7	Detected	156.7	Detected	187.8	Detected	198.7	Detected	Cox6b2	1.252047889	1.18336484	1.26802808	1.1984684
A_51_P2432	2511.6	Detected	2462.3	Detected	2605.4	Detected	3144.5	Detected	Zfp574	1.251990763	1.03734671	1.27705804	1.0581164
A_51_P4757	37.7	Detected	39.2	Detected	32.7	Detected	47.2	Not Detect	Zfp689	1.25198939	0.86737401	1.20408163	0.8341837
A_55_P2055	938.2	Detected	886.9	Detected	877.4	Detected	1174.6	Detected	Airn	1.251971861	0.93519505	1.32438832	0.9892885
A_52_P1179	10441.8	Detected	13848.6	Detected	14002.1	Detected	13072.2	Detected	Fam173b	1.25191059	1.34096612	0.94393657	1.0110842
A_55_P1980	8432.1	Detected	7935.6	Detected	7089.8	Detected	10556.2	Detected	Tbc1d9b	1.251906405	0.84081071	1.33023338	0.893417
A_55_P2437	3332	Detected	3901.8	Detected	2858.9	Detected	4171.3	Detected	Nae1	1.251890756	0.85801321	1.06907069	0.7327131
A_52_P5619	3099.6	Detected	3101.1	Detected	2686.6	Detected	3879.9	Detected	Ncor1	1.25174216	0.866757	1.25113669	0.8663378
A_55_P2007	227706.8	Detected	246792.2	Detected	241717.3	Detected	285028.1	Detected	Aldoa	1.25173293	1.06152869	1.15493156	0.9794365
A_51_P2799	193.1	Detected	178.7	Detected	189.3	Detected	241.7	Detected	E330017A01Rik	1.251683066	0.98032108	1.35254617	1.0593173
A_66_P1395	7444.3	Detected	7334.9	Detected	7246.9	Detected	9317.9	Detected	Helz	1.251682495	0.97348307	1.27035133	0.9880026
A_55_P1953	93.8	Detected	126.8	Detected	119.2	Detected	117.4	Detected	Uchl3	1.251599147	1.27078891	0.92586751	0.9400631
A_55_P2081	110.9	Detected	112.5	Detected	103.1	Detected	138.8	Detected	Galp	1.251577998	0.92966637	1.23377778	0.9164444
A_51_P3968	3567	Detected	2056.4	Detected	1073.6	Detected	4464.3	Detected	Fam122a	1.251555929	0.30098122	2.17092978	0.5220774
A_51_P5081	15867.2	Detected	10593.1	Detected	18185.9	Detected	19858.6	Detected	Dscr3	1.251550368	1.14613164	1.87467314	1.7167685
A_51_P2488	16.3	Detected	8.7	Not Detect	7	Not Detect	20.4	Not Detect	Fam212a	1.251533742	0.42944785	2.34482759	0.8045977
A_55_P2107	3924.9	Detected	2184.7	Detected	5485.8	Detected	4912.1	Detected	Gm6484	1.251522332	1.39769166	2.24840939	2.5110084
A_55_P2121	8485.2	Detected	4919.3	Detected	7838.4	Detected	10618.7	Detected	Mapk3	1.251437798	0.92377316	2.15857947	1.5933974
A_51_P2816	159.5	Detected	166.5	Detected	141.2	Detected	199.6	Detected	Olf609	1.251410658	0.88526646	1.1987988	0.848048
A_55_P1981	9908.1	Detected	8680	Detected	9392.6	Detected	12397.9	Detected	Trafd1	1.251289349	0.94797186	1.42832949	1.0820968

A_51_P1505	5173.5	Detected	5943.5	Detected	5650.9	Detected	6473.2	Detected	Mgat2	1.251222577	1.09227795	1.08912257	0.9507697
A_55_P2046	61.7	Detected	65.9	Detected	48.2	Detected	77.2	Detected	Mpped1	1.251215559	0.78119935	1.17147193	0.7314112
A_55_P2164	42.2	Detected	28.3	Detected	56.9	Detected	52.8	Not Detect	Pik3c2b	1.251184834	1.34834123	1.86572438	2.0106007
A_55_P2005	64.9	Detected	58.7	Detected	65.1	Detected	81.2	Detected	Mfap4	1.251155624	1.00308166	1.38330494	1.109029
A_55_P2368	130.2	Detected	146.2	Detected	129.3	Detected	162.9	Detected	1110002J07Rik	1.251152074	0.99308756	1.11422709	0.8844049
A_51_P2940	1622	Detected	1389.7	Detected	1677.9	Detected	2029.3	Detected	Ticam1	1.251109741	1.03446363	1.46024322	1.2073829
A_55_P2088	172386.6	Detected	227642.7	Detected	215590.7	Detected	215671.1	Detected	Gapdh	1.251089702	1.25062331	0.94741057	0.9470574
A_55_P1987	683.2	Detected	629.4	Detected	895.4	Detected	854.7	Detected	Tnrc6b	1.25102459	1.31059719	1.35795996	1.4226247
A_55_P2071	725.7	Detected	716.5	Detected	673.3	Detected	907.8	Detected	Ppara	1.250930136	0.92779385	1.26699232	0.9397069
A_66_P1405	399	Detected	421.9	Detected	429.7	Detected	499.1	Detected	Sdk1	1.250877193	1.07694236	1.18298175	1.0184878
A_55_P2026	3993.3	Detected	4572	Detected	5724.8	Detected	4995	Detected	Tfam	1.250845166	1.43360128	1.09251969	1.2521435
A_55_P1955	10970.4	Detected	8712.4	Detected	11248.7	Detected	13721.8	Detected	Med15	1.250802159	1.02536826	1.5749736	1.2911138
A_55_P2186	31636	Detected	46124.6	Detected	30762	Detected	39570.3	Detected	Rbmx1	1.250799722	0.97237325	0.85790012	0.6669326
A_55_P2124	128	Detected	92.9	Detected	186	Detected	160.1	Detected	Epm2aip1	1.25078125	1.453125	1.72335845	2.0021529
A_55_P2041	11424.4	Detected	9824.6	Detected	12079.2	Detected	14287.7	Detected	Arhgef1	1.25063023	1.05731592	1.45427804	1.2294852
A_55_P1989	97706.6	Detected	111908	Detected	128412.4	Detected	122177.1	Detected	Gm4963	1.250448793	1.31426536	1.09176377	1.1474819
A_55_P2084	62.3	Detected	41.7	Detected	42.4	Detected	77.9	Detected	Asb3	1.250401284	0.68057785	1.86810552	1.0167866
A_55_P2226	62.7	Detected	63.3	Detected	68.8	Detected	78.4	Detected	1700095A13Rik	1.250398724	1.09728868	1.2385466	1.0868878
A_51_P4797	18154.1	Detected	22640.8	Detected	18326.7	Detected	22696.3	Detected	Ampd2	1.250202434	1.00950749	1.00245133	0.8094546
A_55_P2017	510.8	Detected	643	Detected	547.2	Detected	638.6	Detected	Exog	1.250195771	1.07126077	0.99315708	0.8510109
A_55_P1977	2353.8	Detected	1852.8	Detected	225.7	Detected	2942.6	Detected	Zfp629	1.250148696	0.0958875	1.58819085	0.1218156
A_52_P2432	22316.8	Detected	12542.8	Detected	20064.4	Detected	27897.5	Detected	Mapk3	1.250067214	0.89907155	2.22418439	1.5996747
A_51_P1851	9853.4	Detected	11928.2	Detected	12022.9	Detected	12317.3	Detected	Fkbp4	1.250055818	1.22017781	1.03262018	1.0079392
A_52_P3429	424.8	Detected	465.1	Detected	457	Detected	531	Detected	Them6	1.25	1.07580038	1.14168996	0.9825844
A_55_P2078	7.2	Not Detect	23.5	Detected	3.2	Not Detect	9	Not Detect	Fbxl13	1.25	0.44444444	0.38297872	0.1361702
A_51_P4376	3348.9	Detected	3486.9	Detected	3516.1	Detected	4186.1	Detected	Tulp3	1.249992535	1.04992684	1.20052195	1.0083742
A_52_P6153	4377.2	Detected	2664.7	Detected	7559.6	Detected	5471.2	Detected	Hist3h2a	1.249931463	1.72704012	2.05321425	2.8369422
A_52_P4640	9332.5	Detected	7091.2	Detected	8646.4	Detected	11664.5	Detected	Atg3	1.249879454	0.92648272	1.64492611	1.2193141
A_55_P1965	1537.4	Detected	1406.1	Detected	980.9	Detected	1921.5	Detected	Ddx58	1.249837388	0.63802524	1.36654576	0.6976033
A_51_P4443	13551.9	Detected	17117.2	Detected	11389.4	Detected	16937.3	Detected	Acp6	1.24980999	0.84042828	0.9894901	0.6653775
A_55_P2116	7906.2	Detected	8943	Detected	8945.5	Detected	9881.2	Detected	Brpf1	1.249803951	1.1314538	1.10490887	1.0002795
A_55_P2111	673.4	Detected	461.9	Detected	810	Detected	841.6	Detected	Rogdi	1.24977725	1.2028512	1.8220394	1.7536263
A_52_P4569	1228.8	Detected	996.2	Detected	1301.6	Detected	1535.7	Detected	Deaf1	1.249755859	1.05924479	1.54155792	1.3065649
A_66_P1175	253.2	Detected	223	Detected	275.7	Detected	316.4	Detected	Sec24a	1.249605055	1.08886256	1.41883408	1.2363229
A_55_P2024	286.9	Detected	317.8	Detected	225.4	Detected	358.5	Detected	Mapk6	1.249564308	0.7856396	1.12806797	0.7092511
A_51_P4385	11191.8	Detected	11836.5	Detected	13225.3	Detected	13984.5	Detected	Cyb5r1	1.249530907	1.18169553	1.18147256	1.117332
A_51_P4396	16214	Detected	18633.9	Detected	18791.3	Detected	20258.1	Detected	Map2k2	1.249420254	1.15895522	1.08716372	1.008447
A_55_P2162	67442.2	Detected	58245.4	Detected	72419.6	Detected	84259.8	Detected	Ptms	1.249363158	1.07380246	1.44663441	1.2433531
A_55_P2341	34.9	Detected	37.9	Detected	41.1	Detected	43.6	Not Detect	Zbtb38	1.249283668	1.17765043	1.15039578	1.0844327
A_51_P1486	5848.1	Detected	4913.6	Detected	5799.1	Detected	7305.5	Detected	Dag1	1.249209145	0.99162121	1.48679176	1.1802141

A_51_P1519	10646.7	Detected	9551.1	Detected	14352.4	Detected	13299.9	Detected	Eif2b5	1.249203979	1.3480609	1.39249929	1.502696
A_55_P1969	893.3	Detected	982.4	Detected	1012.5	Detected	1115.9	Detected	D19ErtD737e	1.249188403	1.13343781	1.13589169	1.0306393
A_52_P1039	1092.4	Detected	1161.2	Detected	785.6	Detected	1364.5	Detected	Ints8	1.249084584	0.71915049	1.17507751	0.6765415
A_55_P1999	5514.5	Detected	3743.5	Detected	5531.8	Detected	6888	Detected	Cep110	1.249070632	1.00313718	1.83998931	1.477708
A_55_P2039	456.6	Detected	417	Detected	456.7	Detected	570.3	Detected	Gfra4	1.249014455	1.00021901	1.3676259	1.0952038
A_55_P2115	5122.2	Detected	5801	Detected	4851.3	Detected	6397.6	Detected	Rnaseh2a	1.248994573	0.94711257	1.10284434	0.8362868
A_55_P2024	33475.3	Detected	38004.1	Detected	34756.3	Detected	41810.3	Detected	Gaa	1.248989553	1.03826702	1.10015235	0.9145408
A_55_P1984	1385.3	Detected	1340.4	Detected	1099.7	Detected	1730.2	Detected	Mfn2	1.248971342	0.79383527	1.29080871	0.8204267
A_66_P1345	60744	Detected	73926.8	Detected	53952.4	Detected	75861.5	Detected	Anln	1.248872317	0.88819307	1.02617048	0.7298084
A_55_P1991	696	Detected	861	Detected	662	Detected	869.2	Detected	Pprc1	1.248850575	0.95114943	1.00952381	0.7688734
A_52_P7085	1253.9	Detected	1296.7	Detected	1434	Detected	1565.9	Detected	Tob2	1.24882367	1.14363187	1.20760392	1.1058842
A_51_P4706	20.1	Detected	23.6	Detected	18.6	Detected	25.1	Not Detect	2310014L17Rik	1.248756219	0.92537313	1.06355932	0.7881356
A_55_P2092	19.7	Detected	19.1	Detected	13.5	Not Detect	24.6	Not Detect	Krtap20-2	1.248730964	0.68527919	1.28795812	0.7068063
A_51_P3084	310.4	Detected	354.6	Detected	301.7	Detected	387.6	Detected	1700094D03Rik	1.24871134	0.97197165	1.09306261	0.8508178
A_55_P2157	48760.8	Detected	51808.5	Detected	56619.3	Detected	60886.7	Detected	Uqcr10	1.248681318	1.1611643	1.17522607	1.0928573
A_55_P1969	56.3	Detected	71.8	Detected	68.6	Detected	70.3	Detected	Pnck	1.248667851	1.21847247	0.97910864	0.9554318
A_55_P1970	419.1	Detected	365.7	Detected	389.2	Detected	523.3	Detected	Tmem67	1.248628012	0.92865665	1.43095433	1.0642603
A_51_P4239	67.6	Detected	69.3	Detected	76.2	Detected	84.4	Detected	Cnga2	1.24852071	1.12721893	1.21789322	1.0995671
A_52_P5577	16.9	Detected	19.2	Detected	15.7	Not Detect	21.1	Not Detect	Tbxa2r	1.24852071	0.92899408	1.09895833	0.8177083
A_55_P2021	9784.7	Detected	11658.6	Detected	12608.6	Detected	12215.5	Detected	Oxnad1	1.248428669	1.28860364	1.04776731	1.0814849
A_55_P2103	30510.7	Detected	25826.4	Detected	26315.5	Detected	38090	Detected	Hgs	1.248414491	0.8625007	1.47484744	1.018938
A_55_P1993	1416.2	Detected	1607.5	Detected	2281.3	Detected	1768	Detected	Tmem216	1.248411241	1.61086005	1.09984448	1.4191602
A_55_P2064	167.9	Detected	134.8	Detected	113.4	Detected	209.6	Detected	Casp14	1.24836212	0.67540203	1.55489614	0.8412463
A_55_P2024	649.9	Detected	680.5	Detected	587.9	Detected	811.3	Detected	Gaa	1.248345899	0.90460071	1.19221161	0.8639236
A_51_P1763	720.2	Detected	598.6	Detected	551.4	Detected	899	Detected	Hook3	1.248264371	0.76562066	1.50183762	0.9211493
A_55_P2025	15732.4	Detected	19691.5	Detected	13925.4	Detected	19637.8	Detected	Heatr3	1.248239302	0.88514149	0.99727294	0.7071782
A_52_P3098	7723	Detected	8036.8	Detected	6266.7	Detected	9640	Detected	Cdkn3	1.248219604	0.81143338	1.19948238	0.7797506
A_55_P2123	77130.3	Detected	84693.3	Detected	81392.5	Detected	96275.1	Detected	Minos1	1.248213737	1.05525974	1.1367499	0.9610264
A_55_P2003	12.9	Not Detect	16.9	Detected	15	Not Detect	16.1	Not Detect	Arhgef7	1.248062016	1.1627907	0.95266272	0.887574
A_52_P5688	47139	Detected	42744.8	Detected	58981.4	Detected	58831.4	Detected	Ubxn1	1.2480409	1.25122298	1.37634051	1.3798497
A_55_P2137	252.4	Detected	285.8	Detected	253.8	Detected	315	Detected	Cd79a	1.248019017	1.00554675	1.10216935	0.8880336
A_51_P3251	685.5	Detected	697	Detected	763.7	Detected	855.4	Detected	Il27	1.247848286	1.11407732	1.22725968	1.0956958
A_55_P2081	104942.1	Detected	110569	Detected	111933.3	Detected	130948.7	Detected	Raver1	1.247818559	1.06661959	1.18431658	1.0123389
A_52_P3441	22.6	Detected	29.3	Detected	17.8	Not Detect	28.2	Not Detect	Pik3ip1	1.247787611	0.78761062	0.96245734	0.6075085
A_52_P5154	1472.1	Detected	1870.2	Detected	1038.5	Detected	1836.8	Detected	Pard3	1.247741322	0.70545479	0.98214095	0.5552882
A_55_P2052	27932.2	Detected	22715	Detected	30661.1	Detected	34851.2	Detected	Lamtor1	1.247706948	1.09769728	1.53428131	1.3498173
A_55_P2091	75.1	Detected	85.9	Detected	85.2	Detected	93.7	Detected	Arr3	1.247669774	1.13448735	1.09080326	0.991851
A_55_P2025	74.3	Detected	106.7	Detected	150.2	Detected	92.7	Detected	Tacr2	1.247644684	2.02153432	0.868791	1.4076851
A_55_P2121	9861.1	Detected	9030	Detected	11580.1	Detected	12303	Detected	Cnot6l	1.247629575	1.17432132	1.36245847	1.2824031
A_51_P2892	30.7	Detected	48.8	Detected	49.2	Detected	38.3	Not Detect	F8	1.247557003	1.60260586	0.78483607	1.0081967

A_55_P2061	470.6	Detected	446.6	Detected	781.4	Detected	587.1	Detected	Gm3219	1.247556311	1.66043349	1.31459919	1.7496641
A_55_P2046	3205.8	Detected	2225.3	Detected	5290.1	Detected	3999.3	Detected	Amot	1.24752012	1.65016533	1.79719588	2.3772525
A_55_P2033	130.9	Detected	145.3	Detected	128.3	Detected	163.3	Detected	Lgi4	1.247517189	0.98013751	1.12388162	0.8830007
A_51_P2119	2607.7	Detected	2851.7	Detected	2558.3	Detected	3253.1	Detected	Golga5	1.247497795	0.9810561	1.14075814	0.897114
A_66_P1176	33690.6	Detected	38808.5	Detected	43064.7	Detected	42028.1	Detected	Zfp259	1.247472589	1.27824081	1.08296121	1.1096719
A_55_P2074	154	Detected	150.2	Detected	143	Detected	192.1	Detected	Gm581	1.247402597	0.92857143	1.27896138	0.9520639
A_55_P2161	47013.6	Detected	59819.8	Detected	43479.7	Detected	58642.6	Detected	Hmgb1-rs17	1.247353957	0.92483239	0.9803209	0.7268446
A_52_P4782	13029.6	Detected	17010.5	Detected	15514.8	Detected	16252.4	Detected	Samm50	1.247344508	1.19073494	0.95543341	0.912072
A_55_P2167	332.6	Detected	404.8	Detected	316.5	Detected	414.8	Detected	Homer3	1.247143716	0.95159351	1.02470356	0.7818676
A_55_P2110	46060.5	Detected	43656.7	Detected	63550.3	Detected	57443.2	Detected	Cisd3	1.247124977	1.37971364	1.31579345	1.4556826
A_55_P1959	339.7	Detected	355.5	Detected	308.8	Detected	423.6	Detected	Oas1b	1.246982632	0.90903739	1.19156118	0.8686357
A_51_P2083	21881.5	Detected	23260	Detected	21476.3	Detected	27283	Detected	Trappc5	1.246852364	0.98148207	1.17295787	0.9233147
A_51_P2947	1994.2	Detected	1669.1	Detected	2336.1	Detected	2486	Detected	Zfp954	1.246615184	1.1714472	1.48942544	1.3996166
A_52_P6620	1303.3	Detected	926.4	Detected	873.7	Detected	1624.7	Detected	Net1	1.246604773	0.6703752	1.75377807	0.9431131
A_55_P2132	7855.2	Detected	8021.6	Detected	6189.2	Detected	9791.8	Detected	Hsd3b2	1.246537326	0.78791119	1.22067917	0.7715668
A_55_P2074	71.8	Detected	59.7	Detected	55	Detected	89.5	Detected	Ptgis	1.246518106	0.76601671	1.49916248	0.921273
A_55_P2143	192.7	Detected	174.9	Detected	220.7	Detected	240.2	Detected	Gm9465	1.246497146	1.14530358	1.3733562	1.2618639
A_52_P1920	28.4	Detected	21.3	Detected	29.8	Detected	35.4	Not Detect	Nup210l	1.246478873	1.04929577	1.66197183	1.399061
A_55_P2169	63.7	Detected	52.8	Detected	68.9	Detected	79.4	Detected	Olf458	1.246467818	1.08163265	1.50378788	1.3049242
A_51_P3924	719.9	Detected	544.2	Detected	916.4	Detected	897.3	Detected	Mrgpre	1.246423114	1.27295458	1.64884234	1.6839397
A_55_P2262	404.6	Detected	203.9	Detected	223.7	Detected	504.3	Detected	9530053J19Rik	1.246416214	0.55289174	2.47327121	1.0971064
A_55_P1986	69.4	Detected	64.9	Detected	63	Detected	86.5	Detected	Plekhg5	1.246397695	0.90778098	1.33281972	0.9707242
A_55_P2040	47.1	Detected	58	Detected	57.1	Detected	58.7	Detected	Gm10033	1.246284501	1.21231423	1.01206897	0.9844828
A_51_P3171	564.9	Detected	755.7	Detected	625.2	Detected	704	Detected	Wdr18	1.246238272	1.10674456	0.93158661	0.8273124
A_55_P2011	35670.4	Detected	35105.9	Detected	45450.1	Detected	44446.3	Detected	LOC675851	1.246027519	1.2741685	1.26606354	1.294657
A_55_P2093	5969.5	Detected	5579.6	Detected	6787.2	Detected	7438.1	Detected	Pold3	1.246017254	1.13697965	1.33308839	1.2164313
A_51_P2880	43.9	Detected	77	Detected	58.7	Detected	54.7	Detected	Chrng	1.246013667	1.33712984	0.71038961	0.7623377
A_55_P2372	43.5	Detected	43.9	Detected	34	Detected	54.2	Detected	Zim3	1.245977011	0.7816092	1.23462415	0.7744875
A_55_P2314	67.9	Detected	67.5	Detected	60.7	Detected	84.6	Detected	C920021A13	1.245949926	0.89396171	1.25333333	0.8992593
A_66_P1000	13158.8	Detected	14176.5	Detected	15041.2	Detected	16394.2	Detected	Ccdc47	1.245873484	1.14305256	1.15643495	1.0609953
A_55_P2111	11.8	Not Detect	15	Detected	12.7	Not Detect	14.7	Not Detect	Tekt1	1.245762712	1.07627119	0.98	0.8466667
A_52_P5957	1107.3	Detected	1521.5	Detected	1437.2	Detected	1379.4	Detected	Smug1	1.245732864	1.29793191	0.90660532	0.9445942
A_51_P5067	29812.7	Detected	26116.3	Detected	26228.4	Detected	37138.1	Detected	Grf1	1.245714075	0.87977271	1.42202762	1.0042923
A_52_P6099	51.3	Detected	57.2	Detected	52.3	Detected	63.9	Detected	Eln	1.245614035	1.01949318	1.11713287	0.9143357
A_55_P2052	340	Detected	287.4	Detected	279.6	Detected	423.5	Detected	Scd3	1.245588235	0.82235294	1.47355602	0.9728601
A_55_P2043	12674.2	Detected	11351.4	Detected	11717.1	Detected	15786.6	Detected	Rabac1	1.24556974	0.92448439	1.39071833	1.0322163
A_55_P1959	308.7	Detected	328.3	Detected	262.4	Detected	384.5	Detected	Urgcp	1.245545837	0.8500162	1.17118489	0.799269
A_55_P2183	50.1	Detected	39.2	Detected	56.2	Detected	62.4	Detected	Rdh13	1.245508982	1.12175649	1.59183673	1.4336735
A_55_P2055	151.6	Detected	147.5	Detected	166.8	Detected	188.8	Detected	Mast1	1.245382586	1.10026385	1.28	1.1308475
A_55_P1952	398.6	Detected	384.8	Detected	400.1	Detected	496.4	Detected	Ildr2	1.245358756	1.00376317	1.29002079	1.0397609

A_55_P1992	300	Detected	269.5	Detected	565.1	Detected	373.6	Detected	Mbp	1.245333333	1.88366667	1.38627087	2.096846
A_55_P2105	510.1	Detected	542.9	Detected	408.9	Detected	635.2	Detected	Tmed5	1.24524603	0.80160753	1.17001289	0.7531774
A_55_P2173	9168.1	Detected	10623.5	Detected	7241.1	Detected	11416.2	Detected	Hspa4l	1.245208931	0.78981468	1.07461759	0.6816115
A_51_P3535	17711	Detected	17655.9	Detected	23328.8	Detected	22053.5	Detected	Sharpin	1.245186607	1.31719271	1.24907255	1.3213034
A_55_P2345	46.1	Detected	51.4	Detected	47.7	Detected	57.4	Detected	Tcrg-V1	1.245119306	1.03470716	1.11673152	0.9280156
A_51_P5185	9771.8	Detected	12730.8	Detected	13839.5	Detected	12166.4	Detected	Emg1	1.245052089	1.41626926	0.95566657	1.087088
A_55_P2005	1278.1	Detected	1276.4	Detected	1008.6	Detected	1591.3	Detected	Bbs7	1.245051248	0.78914013	1.2467095	0.7901912
A_55_P2075	633.8	Detected	620.1	Detected	958.2	Detected	789.1	Detected	Sptbn4	1.245029978	1.51183339	1.27253669	1.5452346
A_55_P2050	76544.2	Detected	89242.6	Detected	97193.3	Detected	95298.7	Detected	Rpl36al	1.245015298	1.26976701	1.06786109	1.0890909
A_55_P1962	733.1	Detected	741.3	Detected	716.5	Detected	912.7	Detected	Gbp1l1	1.244987041	0.97735643	1.23121543	0.9665453
A_51_P4638	112.3	Detected	110.9	Detected	121.1	Detected	139.8	Detected	Fam161b	1.244879786	1.07836153	1.26059513	1.0919748
A_51_P4350	1488.3	Detected	1263.5	Detected	1623	Detected	1852.6	Detected	Acadsb	1.244775919	1.09050595	1.46624456	1.2845271
A_55_P2092	7947.4	Detected	7224.2	Detected	6315.9	Detected	9892.3	Detected	Pik3r2	1.244721544	0.79471274	1.36932809	0.8742698
A_55_P2167	137.3	Detected	144	Detected	124.1	Detected	170.9	Detected	Gm6936	1.244719592	0.90386016	1.18680556	0.8618056
A_55_P1957	19841.9	Detected	25514.4	Detected	23545.6	Detected	24697	Detected	Mpr1p	1.244689269	1.18666055	0.96796319	0.9228357
A_55_P2424	258	Detected	299.8	Detected	245.8	Detected	321.1	Detected	C78228	1.244573643	0.95271318	1.07104736	0.8198799
A_55_P1984	69.1	Detected	48.4	Detected	54.9	Detected	86	Detected	Gmcl1	1.244573082	0.79450072	1.7768595	1.1342975
A_55_P2007	17754.3	Detected	26486.4	Detected	4660.5	Detected	22095.7	Detected	Pdgfa	1.244526678	0.26249979	0.83422813	0.1759582
A_66_P1378	103.5	Detected	98.5	Detected	96.7	Detected	128.8	Detected	Gm9054	1.244444444	0.93429952	1.30761421	0.9817259
A_55_P2010	6801.3	Detected	7662.4	Detected	6803.2	Detected	8463.7	Detected	Ewsr1	1.24442386	1.00027936	1.10457559	0.887868
A_52_P5949	7715.2	Detected	7314.3	Detected	6472.5	Detected	9599.6	Detected	Pip4k2c	1.244245127	0.83892835	1.31244275	0.8849104
A_55_P2060	10865.8	Detected	10340.5	Detected	9774.2	Detected	13519.1	Detected	Acsf2	1.244188187	0.899538	1.30739326	0.9452348
A_51_P1324	19373.9	Detected	19560.1	Detected	20970.3	Detected	24100.7	Detected	Rpl27a	1.243977723	1.08239952	1.23213583	1.0720957
A_55_P2076	2828.2	Detected	2647.9	Detected	3133	Detected	3518	Detected	1700028116Rik	1.243900714	1.10777173	1.32860002	1.1832018
A_55_P2128	65614.5	Detected	72813.4	Detected	54724	Detected	81614.8	Detected	Cops6	1.243853112	0.83402297	1.1208761	0.751565
A_55_P2088	24198.3	Detected	28684	Detected	27818.8	Detected	30094.7	Detected	Lamtor5	1.24367001	1.14961795	1.04918073	0.9698368
A_51_P4353	11494.5	Detected	12732.6	Detected	12927.6	Detected	14294	Detected	Dctn2	1.243551264	1.12467702	1.1226301	1.015315
A_55_P2133	988.9	Detected	777	Detected	687.5	Detected	1229.7	Detected	Tnrc6c	1.243502882	0.69521691	1.58262548	0.8848134
A_51_P4991	2626.7	Detected	2916.4	Detected	3057.5	Detected	3266.3	Detected	Cog3	1.243499448	1.16400807	1.11997668	1.0483816
A_55_P2035	38.2	Detected	28	Detected	62.9	Detected	47.5	Detected	Gm5817	1.243455497	1.64659686	1.69642857	2.2464286
A_55_P2146	20095.4	Detected	20238.1	Detected	23861.2	Detected	24986.7	Detected	Sdhc	1.243403963	1.18739612	1.23463665	1.1790237
A_55_P2058	4626.5	Detected	3731.4	Detected	3174.6	Detected	5752.6	Detected	Fancf	1.24340214	0.68617746	1.54167337	0.8507799
A_55_P2175	650.9	Detected	775.9	Detected	711.1	Detected	809.3	Detected	Tet3	1.243355354	1.09248733	1.04304678	0.9164841
A_52_P1048	6175.6	Detected	6113.9	Detected	5894.5	Detected	7678.4	Detected	Diap3	1.243344776	0.95448216	1.25589231	0.9641146
A_52_P5143	852.3	Detected	359.3	Detected	1339.7	Detected	1059.7	Detected	Kcnk5	1.243341546	1.57186437	2.94934595	3.728639
A_55_P2129	512.6	Detected	549	Detected	521.9	Detected	637.3	Detected	Slc38a10	1.243269606	1.0181428	1.16083789	0.9506375
A_55_P2150	28449.9	Detected	40910.9	Detected	29974.5	Detected	35370.8	Detected	Gadd45gip1	1.243266233	1.05358894	0.86458132	0.7326776
A_55_P2159	7.4	Not Detect	6.7	Not Detect	98.9	Detected	9.2	Not Detect	Gm6818	1.243243243	13.3648649	1.37313433	14.761194
A_52_P2655	7.4	Not Detect	11.4	Not Detect	18.8	Detected	9.2	Not Detect	Vmo1	1.243243243	2.54054054	0.80701754	1.6491228
A_55_P1990	3103.6	Detected	2152	Detected	2940.3	Detected	3858.4	Detected	Casp9	1.243201443	0.94738368	1.7929368	1.3663104

A_55_P1989	122460.8	Detected	142997.4	Detected	163478.7	Detected	152243	Detected	Gm4963	1.243197823	1.33494718	1.06465572	1.1432285
A_55_P2029	32.9	Detected	28.8	Detected	31.5	Detected	40.9	Not Detect	Nt5c1a	1.243161094	0.95744681	1.42013889	1.09375
A_51_P4221	21.8	Detected	22.5	Detected	15.7	Not Detect	27.1	Not Detect	Pxt1	1.243119266	0.72018349	1.20444444	0.6977778
A_55_P2061	195	Detected	195.5	Detected	188.6	Detected	242.4	Detected	Tbx6	1.243076923	0.96717949	1.2398977	0.9647059
A_51_P2206	2911.6	Detected	2736.9	Detected	3371.4	Detected	3619.2	Detected	Fam134c	1.243027888	1.15792004	1.32237203	1.2318316
A_55_P2043	293	Detected	299.6	Detected	292.8	Detected	364.2	Detected	Gm9258	1.243003413	0.99931741	1.21562083	0.9773031
A_55_P2066	1943.5	Detected	2059.6	Detected	2627.3	Detected	2415.7	Detected	Cav2	1.242963725	1.35183946	1.17289765	1.275636
A_55_P2038	11115.2	Detected	11511.6	Detected	10093.1	Detected	13815.7	Detected	BC051019	1.242955592	0.90804484	1.20015463	0.8767765
A_66_P1236	159.7	Detected	151.1	Detected	144.1	Detected	198.5	Detected	Gdap1l1	1.242955542	0.90231684	1.31369954	0.9536731
A_66_P1261	901.9	Detected	710.4	Detected	805.8	Detected	1121	Detected	Ercc5	1.242931589	0.89344717	1.57798423	1.1342905
A_55_P2046	735.6	Detected	743.9	Detected	684.5	Detected	914.3	Detected	Vmn1r70	1.242930941	0.9305329	1.22906305	0.9201506
A_51_P4932	742.1	Detected	795.1	Detected	841.5	Detected	922.3	Detected	Dapk3	1.242824417	1.13394421	1.15997988	1.0583574
A_55_P2003	309.3	Detected	248.9	Detected	318.5	Detected	384.4	Detected	Rmdn1	1.242806337	1.02974458	1.54439534	1.2796304
A_52_P1907	51.9	Detected	67.8	Detected	60.1	Detected	64.5	Detected	Ppp1r3fos	1.242774566	1.15799615	0.95132743	0.8864307
A_55_P2007	5937.5	Detected	6082	Detected	6467.2	Detected	7378.8	Detected	Eprs	1.242745263	1.08921263	1.21321934	1.0633344
A_51_P3378	2179.8	Detected	2046.5	Detected	2361.4	Detected	2708.9	Detected	Ubl7	1.242728691	1.0833104	1.32367457	1.1538725
A_51_P1613	3837.3	Detected	2691.6	Detected	5418.5	Detected	4768.7	Detected	Abcb6	1.242722748	1.41206056	1.77169713	2.0131149
A_55_P1969	133.9	Detected	111.5	Detected	104.5	Detected	166.4	Detected	Zdhc9	1.242718447	0.78043316	1.49237668	0.9372197
A_55_P2228	900.8	Detected	945.1	Detected	1005.9	Detected	1119.3	Detected	4921529L05Rik	1.242562167	1.11667407	1.18431912	1.0643318
A_55_P2149	176.9	Detected	200.5	Detected	207.6	Detected	219.8	Detected	Gm16491	1.242509893	1.17354438	1.09625935	1.0354115
A_55_P2301	73	Detected	92.8	Detected	52	Detected	90.7	Detected	9930024M15Rik	1.242465753	0.71232877	0.97737069	0.5603448
A_55_P2106	572.9	Detected	785.5	Detected	719	Detected	711.8	Detected	Zfp410	1.242450689	1.25501833	0.90617441	0.9153405
A_52_P8906	1240.3	Detected	1216.7	Detected	1427.8	Detected	1540.8	Detected	Dusp18	1.242280094	1.1511731	1.26637626	1.1735021
A_51_P1679	9348.3	Detected	10193	Detected	11893.5	Detected	11612.8	Detected	Bace1	1.242236556	1.27226341	1.13929167	1.1668302
A_51_P1601	14166.5	Detected	13126.7	Detected	18987.1	Detected	17596.9	Detected	Copb1	1.242148731	1.34028165	1.34054256	1.4464488
A_55_P2065	81724.4	Detected	89810.8	Detected	86130.7	Detected	101513.2	Detected	S100a11	1.242140658	1.05391658	1.13030059	0.9590239
A_55_P1955	44.2	Detected	58.3	Detected	20.7	Detected	54.9	Detected	Gm6146	1.242081448	0.46832579	0.94168096	0.35506
A_55_P2419	25.2	Detected	18.9	Detected	8.4	Not Detect	31.3	Not Detect	1110028F11Rik	1.242063492	0.33333333	1.65608466	0.4444444
A_51_P1299	100.8	Detected	86	Detected	120.5	Detected	125.2	Detected	Cacfd1	1.242063492	1.19543651	1.45581395	1.4011628
A_55_P2020	15.7	Detected	9.9	Not Detect	9.3	Not Detect	19.5	Not Detect	Trim42	1.242038217	0.59235669	1.96969697	0.9393939
A_51_P4499	13742.2	Detected	13574.9	Detected	12658.2	Detected	17067.5	Detected	Cnot6	1.241977267	0.92111889	1.25728366	0.932471
A_51_P4242	2490.5	Detected	1946	Detected	2546	Detected	3093	Detected	Irf2bp2	1.241919293	1.02228468	1.58941418	1.3083248
A_55_P2029	83.5	Detected	78.6	Detected	71.5	Detected	103.7	Detected	Gm9510	1.241916168	0.85628743	1.31933842	0.9096692
A_52_P4651	38409.6	Detected	23917.4	Detected	41694.7	Detected	47699.8	Detected	Chp1	1.241871824	1.0855281	1.99435557	1.743279
A_51_P5010	5652.2	Detected	5367.2	Detected	5888.1	Detected	7019.1	Detected	Nek2	1.241835038	1.04173596	1.30777687	1.0970525
A_55_P2054	28622.5	Detected	28911.1	Detected	35674.3	Detected	35542.6	Detected	Fam136a	1.241771334	1.24637261	1.22937557	1.2339309
A_55_P2410	193.2	Detected	183.2	Detected	84.7	Detected	239.9	Detected	A430061O12Rik	1.241718427	0.4384058	1.30949782	0.4623362
A_55_P1994	19228.2	Detected	24866.3	Detected	14254.9	Detected	23874.4	Detected	Ppp2cb	1.241634682	0.74135384	0.96011067	0.5732618
A_52_P6529	6854.1	Detected	5951.3	Detected	1720.6	Detected	8509.6	Detected	Akip1	1.241534264	0.25103223	1.42987246	0.2891133
A_55_P2078	1742.8	Detected	1974.8	Detected	1193.3	Detected	2163.7	Detected	Prr5	1.241507918	0.68470278	1.09565526	0.6042637

A_55_P2037	128.9	Detected	155.7	Detected	136.9	Detected	160	Detected	Dnah14	1.241272304	1.06206362	1.02761721	0.879255
A_55_P2016	62.6	Detected	57.5	Detected	51.3	Detected	77.7	Detected	Rhox3f	1.241214058	0.81948882	1.35130435	0.8921739
A_55_P2337	96.2	Detected	87.4	Detected	86.4	Detected	119.4	Detected	2310065F04Rik	1.241164241	0.8981289	1.36613272	0.9885584
A_51_P3302	21582.3	Detected	22270.6	Detected	19158.2	Detected	26786.6	Detected	Asf1b	1.241137414	0.88768111	1.20277855	0.8602462
A_52_P6744	3297.7	Detected	3361.7	Detected	3568.3	Detected	4092.2	Detected	Mkln1	1.240925494	1.08205719	1.21730077	1.061457
A_51_P4817	3564.4	Detected	2949.9	Detected	3944.7	Detected	4423	Detected	Mapk1	1.240882056	1.10669397	1.49937286	1.3372318
A_55_P2012	16.2	Detected	21.7	Detected	14	Not Detect	20.1	Not Detect	Tnfrsf19	1.240740741	0.86419753	0.92626728	0.6451613
A_55_P2127	33108.2	Detected	31491.9	Detected	35430.8	Detected	41076.6	Detected	Trim35	1.240677536	1.07015181	1.30435445	1.1250766
A_55_P2002	16009.9	Detected	11466.8	Detected	14746.4	Detected	19861.7	Detected	Golga2	1.240588636	0.92108008	1.73210486	1.2860083
A_55_P2063	48199.9	Detected	61459.2	Detected	67118.3	Detected	59794	Detected	Tomm5	1.240541993	1.39249874	0.9729056	1.092079
A_66_P1197	7.9	Not Detect	6	Not Detect	22.7	Detected	9.8	Not Detect	Nme8	1.240506329	2.87341772	1.63333333	3.7833333
A_55_P2205	97.3	Detected	115.8	Detected	103.2	Detected	120.7	Detected	Polk	1.24049332	1.0606372	1.04231434	0.8911917
A_55_P2044	24708.7	Detected	32226.3	Detected	34440.8	Detected	30648.6	Detected	Mpp6	1.240397107	1.39387341	0.95104309	1.0687172
A_55_P2071	144.8	Detected	128.4	Detected	173.5	Detected	179.6	Detected	Pcnx	1.240331492	1.19820442	1.39875389	1.3512461
A_51_P5067	3962	Detected	2702.5	Detected	3377.6	Detected	4914.1	Detected	Tep1	1.240307925	0.85249874	1.81835338	1.2498057
A_51_P4772	32.9	Detected	35.3	Detected	28.1	Detected	40.8	Not Detect	Olf780	1.240121581	0.85410334	1.15580737	0.796034
A_55_P2084	110	Detected	105.6	Detected	96.1	Detected	136.4	Detected	Ighmbp2	1.240121581	1.24	0.87363636	1.29166667
A_55_P2101	2754	Detected	2364	Detected	2321.8	Detected	3414.7	Detected	Zhx3	1.239905592	0.84306463	1.44445854	0.9821489
A_55_P2166	97402.6	Detected	108196.9	Detected	72216.9	Detected	120767.8	Detected	Gm5637	1.239882714	0.74142682	1.1161854	0.6674581
A_51_P3600	135.9	Detected	151.6	Detected	151.5	Detected	168.5	Detected	Ocstamp	1.239882266	1.11479029	1.11147757	0.9993404
A_55_P1981	6860.6	Detected	6428.4	Detected	6566.7	Detected	8505.5	Detected	Zcchc6	1.239760371	0.95716118	1.32311306	1.0215139
A_55_P2166	14.6	Detected	14.3	Not Detect	16.2	Not Detect	18.1	Not Detect	Dspp	1.239726027	1.10958904	1.26573427	1.1328671
A_51_P1779	15606.4	Detected	12639.7	Detected	17748	Detected	19344.9	Detected	Itfg3	1.239549159	1.13722575	1.53048727	1.4041473
A_66_P1041	950.1	Detected	666.9	Detected	871.6	Detected	1177.6	Detected	Gsk3b	1.239448479	0.91737712	1.76578198	1.3069426
A_52_P3772	852	Detected	691.3	Detected	955.7	Detected	1056	Detected	Zbtb11	1.23943662	1.12171362	1.52755678	1.3824678
A_55_P2079	768.9	Detected	655.6	Detected	631	Detected	953	Detected	LOC101056153	1.239432956	0.82065288	1.45363026	0.9624771
A_52_P4217	965.8	Detected	907.4	Detected	1668	Detected	1197	Detected	9930012K11Rik	1.239387037	1.72706565	1.31915363	1.8382191
A_55_P2137	1638.9	Detected	851.3	Detected	2377	Detected	2031.2	Detected	Cd82	1.239367869	1.45036305	2.38599789	2.7922002
A_55_P2035	3685.8	Detected	4017.3	Detected	3682.6	Detected	4568	Detected	Mark3	1.239351023	0.9991318	1.13708212	0.9166853
A_55_P2021	463.8	Detected	401.6	Detected	384.2	Detected	574.8	Detected	Cltb	1.239327296	0.8283743	1.4312749	0.9566733
A_51_P1186	2924.5	Detected	3100.6	Detected	2373	Detected	3624.2	Detected	Wdr6	1.239254573	0.81142076	1.16887054	0.7653357
A_55_P2236	442.7	Detected	468.2	Detected	643	Detected	548.6	Detected	Ccnc	1.239213915	1.45245087	1.17172149	1.3733447
A_51_P3998	328.2	Detected	225.2	Detected	102.9	Detected	406.7	Detected	Zfp704	1.239183425	0.31352834	1.80595027	0.4569272
A_55_P2170	2837.9	Detected	2316	Detected	3198.5	Detected	3516.5	Detected	Yipf2	1.239120476	1.12706579	1.5183506	1.3810449
A_55_P2117	24731.3	Detected	21805.9	Detected	24183	Detected	30644.3	Detected	Coasy	1.239089736	0.97782971	1.4053215	1.1090118
A_51_P2597	289.9	Detected	340.5	Detected	286.6	Detected	359.2	Detected	Gm10627	1.239047948	0.98861676	1.05491924	0.8417034
A_52_P1431	61.5	Detected	81	Detected	74	Detected	76.2	Detected	Eno4	1.23902439	1.20325203	0.94074074	0.9135802
A_55_P2114	4763.3	Detected	4778.7	Detected	4630.8	Detected	5901.1	Detected	Zcchc7	1.238868012	0.97218315	1.23487559	0.9690502
A_55_P1985	117.7	Detected	138.3	Detected	130.1	Detected	145.8	Detected	Nkx2-2	1.238742566	1.10535259	1.05422993	0.9407086
A_55_P2141	66.6	Detected	66.1	Detected	40.9	Detected	82.5	Detected	Gm13271	1.238738739	0.61411411	1.24810893	0.6187595

A_51_P3412	37.7	Detected	35.8	Detected	37.4	Detected	46.7	Detected	Dmrtb1	1.23872679	0.99204244	1.30446927	1.0446927
A_52_P5384	343.2	Detected	300.2	Detected	394.1	Detected	425.1	Detected	Bloc1s5	1.238636364	1.14831002	1.41605596	1.3127915
A_55_P1959	8.8	Not Detect	21.1	Detected	7.9	Not Detect	10.9	Not Detect	Xlr3b	1.238636364	0.89772727	0.51658768	0.3744076
A_51_P1482	549.4	Detected	435.5	Detected	689.9	Detected	680.5	Detected	Son	1.238623953	1.25573353	1.56257176	1.5841561
A_52_P4908	20697.7	Detected	21401.7	Detected	32154.1	Detected	25636.6	Detected	Nop10	1.238620716	1.55351078	1.1978768	1.5024087
A_55_P2030	2221.9	Detected	2825.8	Detected	1553.1	Detected	2752	Detected	Sirt1	1.238579594	0.69899635	0.9738835	0.5496143
A_51_P3251	19.7	Detected	23.1	Detected	19.9	Detected	24.4	Not Detect	3110009E18Rik	1.23857868	1.01015228	1.05627706	0.8614719
A_51_P1323	72.1	Detected	65.2	Detected	56.1	Detected	89.3	Detected	Akt3	1.238557559	0.77808599	1.3696319	0.8604294
A_51_P4287	933.7	Detected	1022.7	Detected	1371.7	Detected	1156.4	Detected	Grik5	1.238513441	1.46910142	1.13073238	1.3412535
A_55_P1989	44180	Detected	34341.8	Detected	43619.7	Detected	54715.1	Detected	Zbtb7b	1.238458579	0.98731779	1.59325079	1.2701635
A_65_P0199	453.5	Detected	316.4	Detected	475	Detected	561.6	Detected	Prrg4	1.238368247	1.04740904	1.77496839	1.5012642
A_52_P5525	1837.5	Detected	1036.8	Detected	2138.6	Detected	2275.5	Detected	1110054M08Rik	1.238367347	1.16386395	2.1947338	2.0626929
A_55_P2325	1749.1	Detected	1139.1	Detected	1908.2	Detected	2166	Detected	Tnfrsf11a	1.238351152	1.09096107	1.90150119	1.6751822
A_66_P1235	32692.1	Detected	28833.3	Detected	40776.1	Detected	40481.5	Detected	Ndufb4	1.238265514	1.24727687	1.40398428	1.4142016
A_51_P1585	4420.3	Detected	4093.8	Detected	5784.1	Detected	5473.1	Detected	Poll	1.23817388	1.3085311	1.33692413	1.4128927
A_55_P2165	597.7	Detected	524.7	Detected	639.1	Detected	740	Detected	Arhgef1	1.238079304	1.06926552	1.41032971	1.2180294
A_55_P2079	3985.1	Detected	3058.3	Detected	2123.8	Detected	4933.8	Detected	Rnf43	1.23806178	0.53293518	1.61324919	0.6944381
A_55_P1975	37.4	Detected	39.3	Detected	36.6	Detected	46.3	Not Detect	Acyp1	1.237967914	0.97860963	1.17811705	0.9312977
A_55_P2043	279.9	Detected	263.1	Detected	242.4	Detected	346.5	Detected	4930480E11Rik	1.237942122	0.86602358	1.31698974	0.9213227
A_51_P3330	10285.2	Detected	10458.4	Detected	13440.3	Detected	12731.9	Detected	Ier3ip1	1.237885505	1.30676117	1.21738507	1.2851201
A_51_P1432	866.9	Detected	902.2	Detected	838.1	Detected	1073.1	Detected	Wdr59	1.237859038	0.96677818	1.18942585	0.9289515
A_55_P2248	6105.6	Detected	5545.9	Detected	5891.3	Detected	7557.6	Detected	Aak1	1.237814465	0.96490107	1.36273644	1.0622802
A_55_P1986	860.9	Detected	774.1	Detected	1081.1	Detected	1065.6	Detected	Gdpgp1	1.237774422	1.25577884	1.37656634	1.3965896
A_51_P5186	390.8	Detected	460	Detected	734.5	Detected	483.7	Detected	Hist1h3a	1.237717503	1.87947799	1.05152174	1.5967391
A_55_P2195	46.7	Detected	38.9	Detected	52.6	Detected	57.8	Detected	9030407P20Rik	1.237687366	1.12633833	1.48586118	1.3521851
A_51_P4065	7383.8	Detected	5255.3	Detected	7639.5	Detected	9138.3	Detected	Myo1e	1.237614778	1.03462987	1.73887314	1.4536753
A_51_P2795	11266.3	Detected	10925.7	Detected	16889.1	Detected	13942.6	Detected	Cav2	1.237549151	1.49908133	1.27612876	1.545814
A_51_P2255	8	Not Detect	13.5	Not Detect	20.8	Detected	9.9	Not Detect	Olf981	1.2375	2.6	0.73333333	1.5407407
A_52_P1894	8	Not Detect	32.8	Detected	13.7	Not Detect	9.9	Not Detect	Atp8a2	1.2375	1.7125	0.30182927	0.4176829
A_55_P2022	370.6	Detected	455.9	Detected	399.7	Detected	458.6	Detected	Ndufv3	1.237452779	1.07852132	1.00592235	0.8767274
A_55_P2122	1606.4	Detected	1573.6	Detected	1587.7	Detected	1987.8	Detected	Nfic	1.237425299	0.98835906	1.2632181	1.0089603
A_51_P1048	4228.5	Detected	4129.6	Detected	3134.4	Detected	5232.4	Detected	Ept1	1.237412794	0.74125576	1.26704766	0.7590081
A_55_P2442	327.7	Detected	313.2	Detected	488.8	Detected	405.5	Detected	Samd8	1.237412267	1.49160818	1.29469987	1.5606641
A_51_P5003	43856	Detected	59978.9	Detected	53572.2	Detected	54264	Detected	Mat2a	1.237322145	1.22154779	0.90471816	0.8931841
A_55_P2101	15.6	Detected	13.7	Not Detect	14.6	Not Detect	19.3	Not Detect	Pard3b	1.237179487	0.93589744	1.40875912	1.0656934
A_51_P3436	2786.6	Detected	2209.3	Detected	4024.2	Detected	3447.3	Detected	Ehd2	1.237098974	1.44412546	1.56035848	1.8214819
A_51_P2644	352.3	Detected	410.1	Detected	397.4	Detected	435.8	Detected	Pgam2	1.237013909	1.1280159	1.06266764	0.9690319
A_52_P8880	2374.8	Detected	2601.4	Detected	1860.3	Detected	2937.6	Detected	Vps37a	1.236988378	0.78335018	1.1292381	0.7151149
A_51_P1286	39934.7	Detected	39893.8	Detected	50424.9	Detected	49397.6	Detected	Uqcrc2	1.236959336	1.26268383	1.23822749	1.2639784
A_55_P2141	42994.7	Detected	39540.2	Detected	50774.4	Detected	53179.2	Detected	Tagln2	1.236878034	1.18094556	1.34494009	1.284121

A_51_P1454	17068.1	Detected	14188.7	Detected	24440.1	Detected	21110.4	Detected	Lpcat3	1.236833625	1.43191685	1.48783187	1.7225045
A_55_P2133	125	Detected	69.7	Detected	86.8	Detected	154.6	Detected	Eid2b	1.2368	0.6944	2.21807747	1.2453372
A_55_P2002	15126.7	Detected	11220.4	Detected	15890.4	Detected	18707	Detected	Trim26	1.236687447	1.05048689	1.66723111	1.4162062
A_51_P1295	286.5	Detected	312	Detected	337.1	Detected	354.3	Detected	Sstr4	1.236649215	1.17661431	1.13557692	1.0804487
A_55_P2056	88.4	Detected	70.7	Detected	110.6	Detected	109.3	Detected	Igfbp2	1.236425339	1.25113122	1.54596888	1.5643564
A_55_P2054	643	Detected	708.5	Detected	697.9	Detected	795	Detected	Trappc1	1.236391913	1.08538103	1.12208892	0.9850388
A_52_P4533	33	Detected	42.5	Detected	39.1	Detected	40.8	Not Detect	Lrrn4cl	1.236363636	1.18484848	0.96	0.92
A_55_P2043	333.4	Detected	310.7	Detected	404.7	Detected	412.2	Detected	C330027C09Rik	1.236352729	1.21385723	1.32668169	1.3025426
A_55_P2133	2532.2	Detected	586.4	Detected	1275.5	Detected	3130.6	Detected	Dmkn	1.236316247	0.50371219	5.33867667	2.1751364
A_55_P2021	18778.1	Detected	20088	Detected	18593.4	Detected	23214.4	Detected	Elp5	1.236248609	0.99016407	1.15563521	0.9255974
A_52_P1830	216.3	Detected	211.5	Detected	391.6	Detected	267.4	Detected	Rnf146	1.236245955	1.81044845	1.2643026	1.8515366
A_52_P2370	383.2	Detected	391.7	Detected	176.5	Detected	473.7	Detected	Prmt6	1.236169102	0.46059499	1.20934389	0.4505999
A_51_P2755	46323.3	Detected	58886.9	Detected	54315.2	Detected	57261.5	Detected	Mprp	1.236127392	1.17252441	0.97239794	0.9223647
A_65_P1623	493.4	Detected	527	Detected	258.8	Detected	609.9	Detected	Ttc39b	1.236116741	0.52452371	1.1573055	0.4910816
A_66_P1106	4811.7	Detected	5135.5	Detected	4623	Detected	5947.7	Detected	Sart1	1.236091194	0.96078309	1.15815403	0.9002045
A_51_P2837	11009.9	Detected	10222.7	Detected	12346.4	Detected	13607.8	Detected	Cpsf7	1.235960363	1.12139075	1.33113561	1.2077436
A_55_P2131	5518.8	Detected	4877.4	Detected	5669	Detected	6820.8	Detected	Trnau1ap	1.235920852	1.02721606	1.39844999	1.1622996
A_55_P1989	324.7	Detected	303.4	Detected	236.3	Detected	401.3	Detected	LOC101055722	1.235910071	0.72774869	1.32267633	0.7788398
A_55_P1966	1304.4	Detected	1462.7	Detected	1259.8	Detected	1612.1	Detected	Mef2d	1.235893898	0.96580803	1.10213988	0.8612839
A_55_P1969	127.6	Detected	107.7	Detected	118.2	Detected	157.7	Detected	Mrpl41	1.235893417	0.92633229	1.46425255	1.097493
A_55_P1965	22346.2	Detected	18663.3	Detected	29101.8	Detected	27616.5	Detected	Pnkp	1.235847706	1.30231538	1.47972224	1.5593062
A_51_P2162	4392.5	Detected	4402.3	Detected	4960.9	Detected	5428.4	Detected	Ptk2	1.235833808	1.12940239	1.23308271	1.1268882
A_55_P1968	2648.9	Detected	2674.3	Detected	2648.1	Detected	3273.6	Detected	Rab33b	1.235833742	0.99969799	1.22409603	0.990203
A_55_P1956	4599.6	Detected	5328.6	Detected	3680.5	Detected	5684.3	Detected	Git2	1.235824854	0.80017828	1.06675299	0.6907068
A_55_P2045	75905.8	Detected	47029.9	Detected	83274.4	Detected	93801.3	Detected	Chp1	1.235759323	1.09707559	1.9945035	1.7706693
A_55_P2117	1008.9	Detected	1036	Detected	1040.5	Detected	1246.6	Detected	Vangl2	1.235603132	1.03132124	1.20328185	1.0043436
A_55_P2139	458.5	Detected	386.2	Detected	536.7	Detected	566.5	Detected	Rab6a	1.235550709	1.17055616	1.46685655	1.3896945
A_51_P3483	2209.7	Detected	2643.5	Detected	2305.1	Detected	2730	Detected	Poc1b	1.235461827	1.04317328	1.03272177	0.8719879
A_55_P1976	146.1	Detected	171.9	Detected	152.6	Detected	180.5	Detected	Selplg	1.235455168	1.04449008	1.05002909	0.8877254
A_55_P2009	341.9	Detected	352.7	Detected	325.3	Detected	422.4	Detected	Gm5441	1.235448962	0.95144779	1.19761837	0.9223136
A_51_P2125	1741.8	Detected	1654.8	Detected	1670	Detected	2151.9	Detected	Cog7	1.23544609	0.95877828	1.30039884	1.0091854
A_51_P2226	33364.5	Detected	35913.6	Detected	34980.1	Detected	41219	Detected	Tspo	1.235414887	1.04842272	1.14772677	0.9740071
A_55_P1952	913.9	Detected	639	Detected	1243.9	Detected	1129	Detected	Npb	1.23536492	1.36108983	1.76682316	1.9466354
A_52_P4661	25.5	Detected	25.5	Detected	26.1	Detected	31.5	Not Detect	Ints6	1.235294118	1.02352941	1.23529412	1.0235294
A_51_P2535	460.1	Detected	351.2	Detected	519.8	Detected	568.3	Detected	Rffl	1.235166268	1.1297544	1.61816629	1.4800683
A_51_P5032	1420.4	Detected	1542.3	Detected	997.8	Detected	1754.4	Detected	Lrrc8c	1.23514503	0.70247818	1.13752188	0.6469558
A_55_P2050	8321.2	Detected	10773.3	Detected	8950	Detected	10277.4	Detected	Slc25a3	1.235086286	1.07556602	0.95396954	0.8307575
A_55_P2086	1317.5	Detected	1428.1	Detected	1228.2	Detected	1627.2	Detected	Kcnq4	1.235066414	0.93222011	1.13941601	0.8600238
A_55_P2247	129.8	Detected	115.8	Detected	114.5	Detected	160.3	Detected	AI662245	1.234976888	0.88212635	1.38428325	0.9887737
A_52_P5263	89.8	Detected	71	Detected	85.1	Detected	110.9	Detected	Stx3	1.234966592	0.94766147	1.56197183	1.1985915

A_51_P2422	233.3	Detected	241.5	Detected	242.2	Detected	288.1	Detected	Cel	1.234890699	1.03814831	1.19296066	1.0028986
A_55_P2103	28151.2	Detected	33310.5	Detected	36918.3	Detected	34762.5	Detected	Ndufb5	1.234849669	1.311429	1.04358986	1.1083082
A_55_P1955	28040.4	Detected	34362.8	Detected	25526.8	Detected	34621.5	Detected	Nup93	1.234700646	0.91035791	1.00752849	0.7428615
A_55_P2134	35.8	Detected	22.4	Detected	17.6	Detected	44.2	Not Detect	Lancl3	1.234636872	0.49162011	1.97321429	0.7857143
A_65_P1978	1745.2	Detected	1330.6	Detected	2233.9	Detected	2154.5	Detected	Asb7	1.234528994	1.28002521	1.61919435	1.6788667
A_55_P2071	63415.8	Detected	82022.9	Detected	95841.9	Detected	78287.8	Detected	Erh	1.234515689	1.51132525	0.95446272	1.1684773
A_55_P2018	5439.6	Detected	4847.4	Detected	4751.1	Detected	6714.6	Detected	Arap1	1.234392235	0.87342819	1.38519619	0.9801337
A_51_P4902	8599.6	Detected	7560.7	Detected	7829	Detected	10614.8	Detected	Fbxo4	1.234336481	0.91039118	1.40394408	1.0354861
A_66_P1210	28.6	Detected	27.3	Detected	19	Detected	35.3	Not Detect	Mirg	1.234265734	0.66433566	1.29304029	0.6959707
A_55_P1957	126.4	Detected	125.2	Detected	150.8	Detected	156	Detected	Tns4	1.234177215	1.19303797	1.24600639	1.2044728
A_52_P6378	603.5	Detected	418.2	Detected	508.5	Detected	744.8	Detected	Prrg4	1.234134217	0.84258492	1.78096604	1.2159254
A_51_P2427	15471.8	Detected	15225.5	Detected	17825.7	Detected	19094.2	Detected	Tex261	1.23412919	1.15214132	1.25409346	1.1707793
A_55_P2158	41060.1	Detected	54085.6	Detected	55399.9	Detected	50672.9	Detected	Gm8460	1.234115358	1.34923929	0.93690187	1.0243004
A_51_P4309	1484.5	Detected	1199.2	Detected	2071.5	Detected	1832	Detected	Paqr7	1.234085551	1.39541933	1.52768512	1.7274016
A_55_P2034	1308.3	Detected	3069.5	Detected	1403.6	Detected	1614.5	Detected	Pias4	1.234044179	1.07284262	0.52598143	0.4572732
A_55_P2109	381.2	Detected	351.8	Detected	386.1	Detected	470.4	Detected	Tank	1.233997901	1.01285414	1.33712337	1.0974986
A_55_P2132	1321.6	Detected	1259.1	Detected	1098	Detected	1630.7	Detected	Bcl2l2	1.233883172	0.83081114	1.29513144	0.8720515
A_55_P2000	184	Detected	262	Detected	121.3	Detected	227	Detected	5031439G07Rik	1.233695652	0.65923913	0.86641221	0.4629771
A_55_P2001	2603.6	Detected	1674.6	Detected	2638	Detected	3211.5	Detected	Kitl	1.233484406	1.01321248	1.91777141	1.5753016
A_55_P2129	8635.5	Detected	8797.3	Detected	9686.1	Detected	10651.2	Detected	AB124611	1.233420184	1.12166059	1.21073511	1.101031
A_55_P2122	27061.6	Detected	31448	Detected	33336.6	Detected	33377.3	Detected	Zfp259	1.233382357	1.23187838	1.06134889	1.0600547
A_55_P2068	36	Detected	45.8	Detected	12.5	Not Detect	44.4	Not Detect	Ccl27a	1.233333333	0.34722222	0.96943231	0.2729258
A_52_P1518	5973.3	Detected	5387.2	Detected	7142.6	Detected	7367	Detected	Tpd52	1.233321615	1.19575444	1.36750074	1.3258465
A_55_P2109	235.3	Detected	176.8	Detected	245.1	Detected	290.2	Detected	Hist1h2be	1.233319167	1.04164896	1.64140271	1.3863122
A_65_P1235	26969.5	Detected	30957.1	Detected	29096.9	Detected	33261.2	Detected	Pin1rt1	1.233289457	1.0788817	1.07442881	0.9399104
A_55_P2185	34.3	Detected	30.5	Detected	23.4	Detected	42.3	Not Detect	Masp2	1.233236152	0.68221574	1.38688525	0.7672131
A_55_P2165	2332.5	Detected	1857.4	Detected	1171.1	Detected	2876.5	Detected	Zbtb4	1.233226152	0.50207931	1.54867018	0.630505
A_55_P2117	36.9	Detected	40	Detected	30.9	Detected	45.5	Not Detect	BC005764	1.233062331	0.83739837	1.1375	0.7725
A_51_P4438	754	Detected	928.4	Detected	714.4	Detected	929.7	Detected	Slu7	1.233023873	0.94748011	1.00140026	0.7694959
A_51_P2577	23988.6	Detected	32226.9	Detected	34733.2	Detected	29577.8	Detected	Dnajc22	1.232994005	1.44790442	0.91779849	1.0777704
A_65_P1944	188.9	Detected	230.6	Detected	188.4	Detected	232.9	Detected	Tatdn1	1.232927475	0.9973531	1.00997398	0.8169991
A_55_P2043	1251.2	Detected	890.6	Detected	1616.9	Detected	1542.5	Detected	N6amt1	1.232816496	1.29227941	1.73197844	1.8155176
A_55_P2174	30.5	Detected	40.5	Detected	29.3	Detected	37.6	Not Detect	Nuf2	1.232786885	0.96065574	0.92839506	0.7234568
A_55_P1962	28309.3	Detected	29061.7	Detected	25511.9	Detected	34897	Detected	Trim41	1.232704447	0.90118442	1.20079004	0.877853
A_51_P3411	853.7	Detected	601	Detected	840.1	Detected	1052.3	Detected	Ddah2	1.232634415	0.98406935	1.75091514	1.3978369
A_55_P2120	1545.1	Detected	1550.1	Detected	1749.2	Detected	1904.5	Detected	Zfp282	1.232606304	1.13209501	1.22863041	1.1284433
A_55_P2335	4444	Detected	5202.3	Detected	3869	Detected	5477.7	Detected	Nlgn3	1.232605761	0.87061206	1.05293812	0.7437095
A_66_P1116	21.5	Detected	22.8	Detected	13.8	Not Detect	26.5	Not Detect	Dnah14	1.23255814	0.64186047	1.1622807	0.6052632
A_52_P4454	1914.3	Detected	1700	Detected	1142	Detected	2359.1	Detected	Lmtk2	1.232356475	0.59656271	1.38770588	0.6717647
A_51_P2338	147.2	Detected	144.5	Detected	165.7	Detected	181.4	Detected	Adprhl1	1.232336957	1.12567935	1.25536332	1.1467128

A_55_P2339	333.6	Detected	416	Detected	355.6	Detected	411.1	Detected	Sass6	1.232314149	1.06594724	0.98822115	0.8548077
A_55_P2007	8630.2	Detected	8796.1	Detected	8450.3	Detected	10635.1	Detected	Tmem215	1.232312113	0.9791546	1.20906993	0.9606871
A_66_P1290	12375.3	Detected	14047.9	Detected	10881.4	Detected	15249.8	Detected	2610002J02Rik	1.232277197	0.87928373	1.08555727	0.7745926
A_55_P2214	104.2	Detected	125.9	Detected	138.3	Detected	128.4	Detected	Irs3	1.232245681	1.32725528	1.01985703	1.0984909
A_51_P1080	137.9	Detected	246.7	Detected	86.4	Detected	169.9	Detected	Zmynd15	1.232052212	0.62654097	0.68869072	0.3502229
A_55_P1953	42866.3	Detected	46929.2	Detected	53098.6	Detected	52813.1	Detected	Copz1	1.23204242	1.23870266	1.12537823	1.1314619
A_52_P4639	8801.8	Detected	8489	Detected	6749.5	Detected	10843.9	Detected	Tmem140	1.232009362	0.76683178	1.27740605	0.7950878
A_52_P5525	484.7	Detected	761.6	Detected	801	Detected	597.1	Detected	Map4k1	1.231896018	1.6525686	0.78400735	1.0517332
A_55_P2041	170897.1	Detected	188554.7	Detected	165324.8	Detected	210489.6	Detected	Utp6	1.231674499	0.96739383	1.11633176	0.8768002
A_55_P2139	594.4	Detected	611.3	Detected	605.5	Detected	732.1	Detected	Odf2l	1.23166218	1.01867429	1.19761165	0.990512
A_55_P2058	28249.1	Detected	22208.9	Detected	30106.4	Detected	34789.8	Detected	Mvk	1.23153658	1.06574723	1.5664801	1.3556007
A_51_P3801	18362.5	Detected	14743.5	Detected	15416.9	Detected	22613.3	Detected	Ubr4	1.231493533	0.83958611	1.53378099	1.0456744
A_66_P1292	361.2	Detected	390.9	Detected	369.3	Detected	444.8	Detected	Lekr1	1.23145072	1.02242525	1.13788693	0.9447429
A_52_P5562	14336.1	Detected	12355.7	Detected	13872.5	Detected	17654.2	Detected	G3bp2	1.231450673	0.96766206	1.42883042	1.1227612
A_66_P1309	205.3	Detected	63.2	Detected	380.1	Detected	252.8	Detected	Proser2	1.231368729	1.85143692	4	6.0142405
A_51_P3716	4478.6	Detected	5694.4	Detected	4468.4	Detected	5514.5	Detected	Slc7a6os	1.23129996	0.9977225	0.96840756	0.7847008
A_51_P5043	2935.4	Detected	3372.1	Detected	3042.3	Detected	3614	Detected	Prpf38b	1.231178034	1.03641752	1.07173571	0.9021974
A_55_P2102	5395.6	Detected	4652.8	Detected	5114.8	Detected	6642.6	Detected	Usp4	1.231114241	0.9479576	1.42765646	1.099295
A_55_P2055	10405.9	Detected	10812.5	Detected	9255.8	Detected	12810.4	Detected	Gm5878	1.231070835	0.88947616	1.18477688	0.8560277
A_55_P2051	11158.5	Detected	11873.1	Detected	11836.9	Detected	13736.9	Detected	LOC101055680	1.231070484	1.0607967	1.1569767	0.9969511
A_55_P1957	229.4	Detected	185.2	Detected	326.6	Detected	282.4	Detected	Bbip1	1.231037489	1.42371404	1.52483801	1.7634989
A_55_P2154	346.7	Detected	311.4	Detected	326.3	Detected	426.8	Detected	1700008J07Rik	1.231035477	0.9411595	1.37058446	1.0478484
A_51_P1572	8235	Detected	8102.7	Detected	6913.3	Detected	10136.7	Detected	Efcab14	1.230928962	0.83950213	1.25102744	0.8532094
A_55_P2034	1841	Detected	1614.3	Detected	1825.6	Detected	2266	Detected	Usp28	1.230852797	0.99163498	1.40370439	1.1308926
A_55_P1993	7777.5	Detected	8632.5	Detected	7753.2	Detected	9572.8	Detected	Efr3a	1.23083253	0.9968756	1.10892557	0.8981407
A_55_P2125	6651.2	Detected	4766.2	Detected	9439.7	Detected	8186.3	Detected	Agpat2	1.230800457	1.41924765	1.71757375	1.9805505
A_51_P1126	59.8	Detected	54.3	Detected	66.9	Detected	73.6	Detected	Olfr159	1.230769231	1.1187291	1.35543278	1.2320442
A_51_P3591	230.6	Detected	17.8	Detected	3.3	Not Detect	283.8	Detected	Syt7	1.230702515	0.01431049	15.9438202	0.1853933
A_51_P1364	202	Detected	218.2	Detected	343.6	Detected	248.6	Detected	Nudt12	1.230693069	1.7009901	1.13932172	1.5747021
A_51_P2981	37866.5	Detected	41364.4	Detected	37050.2	Detected	46600.7	Detected	Dctn3	1.230657705	0.97844269	1.12658953	0.8957026
A_51_P4969	880	Detected	736.5	Detected	963	Detected	1082.9	Detected	Hps3	1.230568182	1.09431818	1.47033265	1.3075356
A_55_P2002	16557.6	Detected	13519.5	Detected	18215.5	Detected	20374.9	Detected	Vps26a	1.230546698	1.10012925	1.50707497	1.3473501
A_55_P2138	1849.1	Detected	1361.2	Detected	1909.1	Detected	2275.4	Detected	Mad211	1.230544589	1.03244822	1.67161328	1.4025125
A_55_P2002	2592	Detected	2174.9	Detected	5489.8	Detected	3189.5	Detected	Cystm1	1.230516975	2.1179784	1.46650421	2.524162
A_52_P4903	49.9	Detected	37.4	Detected	42.5	Detected	61.4	Detected	Sbf2	1.230460922	0.85170341	1.64171123	1.1363636
A_51_P3819	24.3	Detected	36.4	Detected	13.3	Not Detect	29.9	Not Detect	Hmx1	1.230452675	0.5473251	0.82142857	0.3653846
A_55_P1972	999.8	Detected	905.2	Detected	809.7	Detected	1230.2	Detected	Stil	1.230446089	0.80986197	1.35903668	0.8944985
A_55_P2022	591.1	Detected	615.2	Detected	652.3	Detected	727.3	Detected	Cyp4f17	1.230417865	1.10353578	1.18221717	1.0603056
A_51_P1839	1946.1	Detected	1934.2	Detected	2173.1	Detected	2394.5	Detected	Barhl1	1.230409537	1.11664354	1.23797953	1.1235136
A_55_P2010	24633.6	Detected	22181.7	Detected	22971.5	Detected	30309	Detected	Gm4971	1.230392634	0.93252712	1.36639662	1.0356059

A_55_P2000	17.8 Detected	9.1 Not Detect	18.5 Detected	21.9 Not Detect	Irf1	1.230337079	1.03932584	2.40659341	2.032967
A_55_P2131	95.1 Detected	126.3 Detected	125.8 Detected	117 Detected	Sv2c	1.230283912	1.32281809	0.9263658	0.9960412
A_52_P8041	30.4 Detected	24.4 Detected	51.2 Detected	37.4 Not Detect	9130023H24Rik	1.230263158	1.68421053	1.53278689	2.0983607
A_51_P2166	74.7 Detected	65.1 Detected	156.9 Detected	91.9 Detected	Hbp1	1.230254351	2.10040161	1.41167435	2.4101382
A_55_P1987	93.4 Detected	53.1 Detected	64.6 Detected	114.9 Detected	Fam196a	1.230192719	0.69164882	2.16384181	1.2165725
A_55_P2019	23.9 Detected	21.6 Detected	16.9 Detected	29.4 Not Detect	Aim1l	1.230125523	0.70711297	1.36111111	0.7824074
A_55_P2030	94.3 Detected	104.6 Detected	84 Detected	116 Detected	Ifna2	1.230116649	0.89077413	1.10898662	0.8030593
A_65_P0106	3001.8 Detected	3244.3 Detected	4148.1 Detected	3692.5 Detected	Phf14	1.230095276	1.38187088	1.13814999	1.2785809
A_55_P2140	2052.2 Detected	522.7 Detected	1129.3 Detected	2524.4 Detected	Dmkn	1.230094533	0.5502875	4.82953893	2.1605127
A_55_P2096	1695.9 Detected	1749.4 Detected	1624.8 Detected	2086.1 Detected	Tsc22d4	1.230084321	0.95807536	1.19246599	0.9287756
A_66_P1060	32.6 Detected	35.6 Detected	34.1 Detected	40.1 Not Detect	Dtx3l	1.23006135	1.04601227	1.12640449	0.9578652
A_52_P4106	396.9 Detected	412.6 Detected	421.5 Detected	488.2 Detected	Trp73	1.230032754	1.06198035	1.18322831	1.0215705
A_52_P2189	538.2 Detected	922.7 Detected	356.5 Detected	662 Detected	Cyld	1.230026013	0.66239316	0.71745963	0.3863661
A_55_P2083	94.4 Detected	79.4 Detected	163.4 Detected	116.1 Detected	Ranbp6	1.229872881	1.7309322	1.46221662	2.0579345
A_55_P2000	4178.3 Detected	3381.1 Detected	4177.2 Detected	5138.4 Detected	Ccnyl1	1.229782447	0.99973674	1.5197421	1.2354559
A_51_P3700	1877.6 Detected	1961.8 Detected	2122.4 Detected	2309 Detected	Nagpa	1.229761398	1.13037921	1.17698032	1.0818636
A_55_P2207	433.5 Detected	428.1 Detected	383.6 Detected	533.1 Detected	Nron	1.229757785	0.88489043	1.2452698	0.8960523
A_52_P6418	712.5 Detected	731.2 Detected	1108 Detected	876.2 Detected	Khnyln	1.229754386	1.55508772	1.19830416	1.5153173
A_52_P2635	7.4 Not Detect	165 Detected	4.4 Not Detect	9.1 Not Detect	Gng2	1.22972973	0.59459459	0.05515152	0.0266667
A_55_P1986	13590 Detected	9364.8 Detected	14636.5 Detected	16711.9 Detected	Prr14	1.229720383	1.07700515	1.78454425	1.5629271
A_52_P6733	191.2 Detected	161.8 Detected	242.9 Detected	235.1 Detected	2610044O15Rik8	1.22960251	1.27039749	1.45302843	1.5012361
A_55_P2077	5277.4 Detected	4467 Detected	5616 Detected	6488.9 Detected	Deaf1	1.2295638	1.06416038	1.4526304	1.2572196
A_66_P1032	13619.6 Detected	12388.2 Detected	15562.6 Detected	16744.4 Detected	Irf2bp2	1.229434051	1.14266205	1.35164108	1.2562438
A_52_P2203	585.4 Detected	543.2 Detected	599.1 Detected	719.7 Detected	Ufd1l	1.229415784	1.0234028	1.32492636	1.1029087
A_52_P6492	1520.1 Detected	2273.9 Detected	1663 Detected	1868.8 Detected	Cdc26	1.229392803	1.09400697	0.82184793	0.7313426
A_55_P2122	10374.3 Detected	2592.4 Detected	11082.6 Detected	12752.4 Detected	Klf4	1.229229924	1.06827449	4.91914828	4.2750347
A_55_P1959	779 Detected	687.3 Detected	742.4 Detected	957.5 Detected	Alas1	1.229139923	0.95301669	1.39313255	1.0801688
A_55_P2020	14722.9 Detected	14555.8 Detected	18499.9 Detected	18095.6 Detected	Iscu	1.22907851	1.25653913	1.24318828	1.2709642
A_55_P1971	86.9 Detected	83.2 Detected	82 Detected	106.8 Detected	4932438A13Rik	1.228998849	0.94361335	1.28365385	0.9855769
A_52_P8942	6206.1 Detected	6168.5 Detected	4377 Detected	7627.2 Detected	Pcnt	1.228984386	0.70527384	1.23647564	0.7095728
A_55_P2007	83859.6 Detected	60484.2 Detected	93516 Detected	103057.7 Detected	Epn1	1.228931452	1.11514961	1.70387804	1.5461228
A_55_P2061	4612.3 Detected	4482.4 Detected	6118.6 Detected	5668.1 Detected	Osgep	1.228909655	1.32658327	1.26452347	1.3650277
A_55_P2061	40235.8 Detected	39399.9 Detected	52285.9 Detected	49442.3 Detected	Ndufc2	1.228813644	1.29948702	1.2548839	1.3270567
A_66_P1128	21529 Detected	19220.5 Detected	24373.4 Detected	26453.6 Detected	AI413582	1.228742626	1.13211947	1.37632216	1.268094
A_55_P2105	2929 Detected	3325.9 Detected	2402.8 Detected	3598.9 Detected	Ppp2r5c	1.228712871	0.82034824	1.08208305	0.7224511
A_55_P1976	2574.1 Detected	2510.4 Detected	4057.9 Detected	3162.7 Detected	Zfp707	1.228662445	1.57643448	1.25983907	1.6164356
A_55_P2153	32.8 Detected	26.6 Detected	29 Detected	40.3 Not Detect	Zap70	1.228658537	0.88414634	1.51503759	1.0902256
A_55_P2362	14 Not Detect	28.9 Detected	8.9 Not Detect	17.2 Not Detect	AI836737	1.228571429	0.63571429	0.59515571	0.3079585
A_55_P2087	44.2 Detected	43.3 Detected	53.9 Detected	54.3 Detected	Oprm1	1.228506787	1.21945701	1.25404157	1.2448037
A_55_P1980	1200 Detected	1390 Detected	1166.2 Detected	1474.2 Detected	Hace1	1.2285	0.97183333	1.06057554	0.8389928

A_55_P2129	316	Detected	367.8	Detected	226.4	Detected	388.2	Detected	Gm9519	1.228481013	0.7164557	1.05546493	0.6155519
A_51_P3468	10469.3	Detected	12895.5	Detected	12308.3	Detected	12860	Detected	Ift20	1.228353376	1.17565644	0.9972471	0.9544647
A_55_P1972	241.8	Detected	240.4	Detected	233.5	Detected	297	Detected	Smok3b	1.228287841	0.96567411	1.23544093	0.9712978
A_55_P2135	103.5	Detected	101.6	Detected	79	Detected	127.1	Detected	Setdb2	1.228019324	0.76328502	1.25098425	0.7775591
A_55_P2091	105.7	Detected	127.2	Detected	101.4	Detected	129.8	Detected	2210015D19Rik	1.228003784	0.95931883	1.02044025	0.7971698
A_55_P2304	27.2	Detected	19.4	Detected	18	Detected	33.4	Not Detect	Hoxa3	1.227941176	0.66176471	1.72164948	0.9278351
A_52_P3829	88560.6	Detected	73220	Detected	57087	Detected	108744.7	Detected	Trip6	1.227912864	0.64460945	1.48517755	0.779664
A_51_P5021	8708.4	Detected	14343.2	Detected	11040.8	Detected	10693.1	Detected	Slc19a1	1.227906389	1.26783336	0.74551704	0.7697585
A_55_P1966	7.9	Not Detect	18.4	Detected	3.4	Not Detect	9.7	Not Detect	Gm9839	1.227848101	0.43037975	0.52717391	0.1847826
A_51_P3967	7185.2	Detected	7684.5	Detected	8836.4	Detected	8822.3	Detected	Med21	1.227843345	1.22980571	1.14806429	1.1498991
A_51_P4587	205	Detected	216	Detected	234.1	Detected	251.7	Detected	Zfp438	1.227804878	1.14195122	1.16527778	1.0837963
A_51_P2471	22790	Detected	18150.1	Detected	23416.4	Detected	27981.3	Detected	Hn1	1.227788504	1.02748574	1.54166093	1.2901527
A_55_P2351	79.9	Detected	62.2	Detected	68.9	Detected	98.1	Detected	3300002P13Rik	1.227784731	0.86232791	1.57717042	1.107717
A_55_P2019	18	Detected	18.4	Not Detect	21.2	Detected	22.1	Not Detect	Col19a1	1.227777778	1.17777778	1.20108696	1.1521739
A_51_P2810	492881.4	Detected	542152	Detected	567865.1	Detected	605102.3	Detected	S100a6	1.227683374	1.15213335	1.1161119	1.0474278
A_52_P2223	49961.2	Detected	43348.5	Detected	42595.5	Detected	61333.1	Detected	Flnb	1.227614629	0.8525716	1.41488402	0.9826292
A_51_P4982	608.3	Detected	602.2	Detected	539.1	Detected	746.7	Detected	Ube2j1	1.227519316	0.88624034	1.2399535	0.8952175
A_55_P2186	48487.9	Detected	56649.7	Detected	47340	Detected	59519.8	Detected	Sub1	1.227518618	0.97632605	1.05066399	0.835662
A_55_P2018	4763.2	Detected	6510.2	Detected	4895.1	Detected	5846.5	Detected	Hmgb1	1.227431139	1.02769147	0.89805229	0.7519124
A_51_P2387	2549.1	Detected	2390.7	Detected	2116.8	Detected	3128.8	Detected	Mfsd11	1.227413597	0.83041073	1.30873803	0.885431
A_66_P1089	22	Detected	20.9	Detected	19.3	Detected	27	Not Detect	Tcrg-V7	1.227272727	0.87727273	1.29186603	0.923445
A_55_P2002	24872.5	Detected	36007	Detected	24304.8	Detected	30525.3	Detected	Srm	1.227271083	0.9771756	0.84776016	0.6750021
A_51_P4247	669.7	Detected	667.3	Detected	683.2	Detected	821.9	Detected	Wdr54	1.22726594	1.02015828	1.2316799	1.0238274
A_52_P3746	2896.4	Detected	3592	Detected	3732.8	Detected	3554.3	Detected	Kdm5a	1.227144041	1.28877227	0.98950445	1.0391982
A_51_P1224	277.8	Detected	518.3	Detected	323.2	Detected	340.9	Detected	Ctf1	1.227141829	1.16342693	0.65772719	0.6235771
A_55_P2129	7383.3	Detected	6424.2	Detected	10630	Detected	9060.2	Detected	2210016L21Rik	1.227120664	1.43973562	1.41032346	1.6546807
A_55_P2092	234736.5	Detected	242048.3	Detected	244557.9	Detected	288044.7	Detected	Tmsb10	1.227098044	1.04184011	1.19002984	1.0103682
A_55_P1997	131.7	Detected	136.6	Detected	125.1	Detected	161.6	Detected	Ccdc142	1.227031131	0.9498861	1.18301611	0.9158126
A_55_P2129	4275	Detected	4523.6	Detected	4805.1	Detected	5245.4	Detected	Capn11	1.226994152	1.124	1.15956318	1.0622292
A_51_P1506	28099.1	Detected	31798.7	Detected	42597.9	Detected	34475.9	Detected	Jagn1	1.226939653	1.51598806	1.08419212	1.3396114
A_55_P1960	31551	Detected	24805.7	Detected	33010	Detected	38710.7	Detected	Pafah1b3	1.226924662	1.04624259	1.56055665	1.3307425
A_55_P1966	90466.7	Detected	111005.2	Detected	126419.9	Detected	110994.9	Detected	Erh	1.226914434	1.39741916	0.99990721	1.1388647
A_51_P2425	839.7	Detected	1006.2	Detected	1073.2	Detected	1030.2	Detected	Shq1	1.226866738	1.2780755	1.02385212	1.0665872
A_55_P2053	113.3	Detected	195.2	Detected	169.7	Detected	139	Detected	A730020M07Rik	1.226831421	1.49779347	0.71209016	0.8693648
A_51_P3471	10628.6	Detected	10011.3	Detected	12391.2	Detected	13039.5	Detected	Snx2	1.226831379	1.16583558	1.3024782	1.2377214
A_51_P1822	7303.4	Detected	7414.3	Detected	7982.8	Detected	8959.9	Detected	Ccdc53	1.22681217	1.09302517	1.20846203	1.0766762
A_55_P1990	2177.7	Detected	2664.9	Detected	1618.3	Detected	2671.6	Detected	Banp	1.226798916	0.74312348	1.00251417	0.6072648
A_52_P3365	299.4	Detected	309.1	Detected	348.9	Detected	367.3	Detected	Als2	1.226786907	1.16533066	1.18828858	1.1287609
A_55_P2075	102.3	Detected	118	Detected	60.4	Detected	125.5	Detected	Gm13286	1.226783969	0.59042033	1.06355932	0.5118644
A_55_P2143	10382.9	Detected	10127.4	Detected	11713.4	Detected	12735.7	Detected	Rpain	1.226603357	1.12814339	1.25754883	1.1566049

A_51_P5070	6661.7	Detected	8166	Detected	4996.1	Detected	8170.5	Detected	Nt5dc3	1.226488734	0.74997373	1.00055107	0.6118173
A_55_P2074	4136	Detected	3289.6	Detected	3718.4	Detected	5072.7	Detected	Ap2b1	1.226474855	0.89903288	1.54204159	1.1303502
A_55_P2114	173.1	Detected	132.6	Detected	189.1	Detected	212.3	Detected	Kcnk16	1.226458694	1.09243212	1.60105581	1.4260935
A_55_P2175	5619.3	Detected	5275.5	Detected	7117.2	Detected	6891.7	Detected	Hmbox1	1.226433897	1.26656345	1.30635959	1.3491044
A_51_P1437	42.4	Detected	38.1	Detected	37.3	Detected	52	Detected	Tdh	1.226415094	0.87971698	1.3648294	0.9790026
A_55_P2007	81546.1	Detected	43254.7	Detected	108817.6	Detected	100009	Detected	Rnf128	1.226410582	1.33443046	2.31209556	2.5157405
A_51_P3774	787.2	Detected	974.9	Detected	977.5	Detected	965.4	Detected	Mettl14	1.226371951	1.24174289	0.99025541	1.0026669
A_55_P1955	459.9	Detected	495.4	Detected	439.9	Detected	564	Detected	Gm4881	1.226353555	0.95651229	1.13847396	0.8879693
A_55_P2022	165.7	Detected	225.4	Detected	202.7	Detected	203.2	Detected	Uncx	1.226312613	1.22329511	0.90150843	0.8992902
A_66_P1054	3876.3	Detected	1563	Detected	2954.3	Detected	4753.5	Detected	Lonrf3	1.226298274	0.76214431	3.04126679	1.8901472
A_52_P5316	2174.6	Detected	1638.9	Detected	2981	Detected	2666.6	Detected	Ttc9c	1.226248505	1.37082682	1.62706694	1.8189029
A_51_P3818	27104.2	Detected	25288.7	Detected	29312.6	Detected	33235.6	Detected	Bub3	1.226215863	1.08147815	1.31424707	1.1591185
A_51_P2400	15322.9	Detected	16113	Detected	12513.5	Detected	18788.9	Detected	Gyg	1.226197391	0.81665351	1.16607087	0.7766089
A_55_P2170	1588.6	Detected	875	Detected	1518.7	Detected	1947.9	Detected	Ankrd13d	1.22617399	0.95599899	2.22617143	1.7356571
A_55_P1995	70.3	Detected	68.1	Detected	57.5	Detected	86.2	Detected	Drp2	1.226173542	0.81792319	1.26578561	0.8443465
A_55_P2131	152.1	Detected	119.7	Detected	118.4	Detected	186.5	Detected	Mical2	1.226166995	0.77843524	1.55806182	0.9891395
A_66_P1123	158.8	Detected	156	Detected	152.4	Detected	194.7	Detected	Cacna1i	1.226070529	0.95969773	1.24807692	0.9769231
A_55_P2153	2553.7	Detected	2666.4	Detected	3904.1	Detected	3130.9	Detected	Tatdn3	1.226024983	1.52880135	1.17420492	1.4641839
A_55_P1980	33.2	Detected	43.9	Detected	21.7	Detected	40.7	Not Detect	Cbx7	1.225903614	0.65361446	0.92710706	0.4943052
A_55_P2052	51.8	Detected	54.4	Detected	62.4	Detected	63.5	Detected	Olf1382	1.225868726	1.2046332	1.16727941	1.1470588
A_66_P1341	250.6	Detected	214.4	Detected	251.2	Detected	307.2	Detected	Aym1	1.225857941	1.00239425	1.43283582	1.1716418
A_55_P1993	5347.7	Detected	4020.2	Detected	3387.6	Detected	6555.4	Detected	D5Erd579e	1.225835406	0.63346859	1.63061539	0.8426446
A_55_P1984	311.4	Detected	289.9	Detected	310.2	Detected	381.7	Detected	Smarcc1	1.225754656	0.99614644	1.31666092	1.0700241
A_55_P2065	35	Detected	32.5	Detected	39.9	Detected	42.9	Not Detect	Olf1500	1.225714286	1.14	1.32	1.2276923
A_55_P1955	7694.9	Detected	8233.4	Detected	8666.1	Detected	9431.2	Detected	Ptpn5	1.225642958	1.12621347	1.1454806	1.0525542
A_55_P2085	1556.9	Detected	1440.8	Detected	1737.3	Detected	1908.2	Detected	Nsa2	1.225640696	1.11587128	1.32440311	1.2057885
A_55_P2049	135.2	Detected	123.7	Detected	159.4	Detected	165.7	Detected	1700023D09Rik	1.225591716	1.17899408	1.33953112	1.2886015
A_55_P1979	33221.2	Detected	26451.6	Detected	26604.7	Detected	40711.8	Detected	Pitrm1	1.225476503	0.80083501	1.53910538	1.0057879
A_51_P3461	27.5	Detected	32.2	Detected	32.7	Detected	33.7	Not Detect	Rhox9	1.225454545	1.18909091	1.04658385	1.015528
A_51_P3144	1765	Detected	1719.2	Detected	1571.4	Detected	2162.8	Detected	Blm	1.225382436	0.89031161	1.25802699	0.9140298
A_51_P2969	2696.5	Detected	2019.6	Detected	3044.6	Detected	3303.9	Detected	Ppat	1.22525496	1.12909327	1.635918	1.5075262
A_52_P1172	66.6	Detected	46.7	Detected	43	Detected	81.6	Detected	Fryl	1.225225225	0.64564565	1.74732334	0.9207709
A_55_P2091	4540.7	Detected	4116.1	Detected	4288.7	Detected	5562.7	Detected	Cep164	1.225075429	0.94450195	1.35144919	1.0419329
A_51_P2093	44579.4	Detected	49620.8	Detected	49768.9	Detected	54612.8	Detected	Slc35b1	1.225068081	1.11641027	1.10060297	1.0029846
A_55_P2227	884.2	Detected	697.5	Detected	517	Detected	1083.2	Detected	Ptpre	1.225062203	0.58470934	1.55297491	0.7412186
A_55_P2015	814.5	Detected	850.1	Detected	993.7	Detected	997.8	Detected	Aph1a	1.225046041	1.22001228	1.17374427	1.1689213
A_51_P2613	9020	Detected	8831.7	Detected	13952.7	Detected	11049.6	Detected	Mrpl49	1.225011086	1.54686253	1.25112945	1.5798431
A_55_P2130	128	Detected	144.4	Detected	130.1	Detected	156.8	Detected	B830017H08Rik	1.225	1.01640625	1.08587258	0.9009695
A_55_P2033	3563.6	Detected	4423.8	Detected	4737.1	Detected	4364.7	Detected	Med6	1.224800763	1.32930183	0.98664044	1.0708215
A_51_P3280	14120.2	Detected	19059.4	Detected	16666.2	Detected	17290.9	Detected	Cops3	1.224550644	1.18030906	0.90721114	0.8744347

A_55_P1965	1107.1	Detected	1322.8	Detected	1100.8	Detected	1355.6	Detected	Sp2	1.224460302	0.99430946	1.02479589	0.8321742
A_66_P1284	70.4	Detected	67.6	Detected	58.4	Detected	86.2	Detected	Fam122b	1.224431818	0.82954545	1.27514793	0.8639053
A_55_P2017	202.3	Detected	198.8	Detected	237.8	Detected	247.7	Detected	Ina	1.224419179	1.17548196	1.24597586	1.1961771
A_55_P1989	342.7	Detected	357.3	Detected	344.6	Detected	419.6	Detected	Gm3561	1.224394514	1.00554421	1.17436328	0.9644556
A_51_P4178	1418.2	Detected	1812.9	Detected	1944	Detected	1736.4	Detected	Smyd5	1.224368918	1.37075166	0.95780242	1.0723151
A_51_P4148	3554.3	Detected	3993.9	Detected	3244.1	Detected	4351.6	Detected	Faf1	1.224319838	0.91272543	1.08956158	0.8122637
A_55_P2045	47.7	Detected	54.3	Detected	40.9	Detected	58.4	Detected	Gpc5	1.224318658	0.85744235	1.07550645	0.7532228
A_55_P1953	6290.5	Detected	5592.7	Detected	8172.2	Detected	7701.1	Detected	Map2k5	1.224242906	1.29913361	1.37699144	1.4612262
A_55_P2413	1051.1	Detected	974.9	Detected	1051.6	Detected	1286.8	Detected	Gm10404	1.224241271	1.00047569	1.31993025	1.0786747
A_51_P1777	154.3	Detected	154.9	Detected	172.9	Detected	188.9	Detected	Rdh9	1.224238496	1.12054439	1.21949645	1.116204
A_55_P2176	124	Detected	108.9	Detected	151.7	Detected	151.8	Detected	Rffl	1.224193548	1.2233871	1.39393939	1.3930211
A_52_P4953	1039.5	Detected	1120	Detected	1235.7	Detected	1272.5	Detected	Peo1	1.224146224	1.18874459	1.13616071	1.1033036
A_52_P6401	23.2	Detected	41.6	Detected	25.6	Detected	28.4	Not Detect	Klhl32	1.224137931	1.10344828	0.68269231	0.6153846
A_51_P2954	6886.2	Detected	5610.5	Detected	7423.7	Detected	8429.6	Detected	Zc3h7a	1.224129418	1.07805466	1.50246859	1.3231798
A_51_P4912	28669.4	Detected	30725.9	Detected	39047.5	Detected	35094.4	Detected	Sucg1	1.224106539	1.36199223	1.14217647	1.2708334
A_55_P2070	84.8	Detected	79.5	Detected	71	Detected	103.8	Detected	Pkd1l3	1.224056604	0.83726415	1.30566038	0.8930818
A_55_P1993	255.9	Detected	224.6	Detected	292.7	Detected	313.2	Detected	Mesdc1	1.223915592	1.14380617	1.39447907	1.3032057
A_52_P1854	11627.8	Detected	13292.3	Detected	14604.3	Detected	14231.4	Detected	Arpc4	1.22391166	1.25598136	1.07064993	1.0987038
A_52_P6350	612.3	Detected	679.7	Detected	928.6	Detected	749.4	Detected	Gpr39	1.223909848	1.51657684	1.10254524	1.366191
A_51_P1983	3493.6	Detected	2450.4	Detected	4096.9	Detected	4275.7	Detected	Uckl1	1.223866499	1.1726872	1.74489879	1.6719311
A_55_P1965	106168.7	Detected	136604.1	Detected	131329.9	Detected	129930	Detected	Gapdh	1.223807017	1.23699264	0.95114275	0.9613906
A_55_P2179	9459.8	Detected	8954.4	Detected	9870.7	Detected	11576.6	Detected	Usp33	1.223767944	1.04343644	1.29283927	1.1023296
A_66_P1125	5508.4	Detected	5972.4	Detected	5511.9	Detected	6740.6	Detected	Sec61b	1.223694721	1.00063539	1.12862501	0.9228953
A_55_P2034	301.1	Detected	368.5	Detected	243.6	Detected	368.4	Detected	Gm5523	1.223513783	0.80903354	0.99972863	0.6610583
A_55_P2016	85534.5	Detected	69857.8	Detected	94924.2	Detected	104648.6	Detected	Eif3c	1.223466554	1.10977676	1.49802313	1.3588203
A_55_P2072	32.7	Detected	38.6	Detected	26.2	Detected	40	Not Detect	Etv3l	1.22324159	0.80122324	1.03626943	0.6787565
A_55_P1989	7283.1	Detected	7553.6	Detected	8489.8	Detected	8908.4	Detected	Tm9sf1	1.223160467	1.16568494	1.17935819	1.1239409
A_52_P6201	235.8	Detected	205.8	Detected	295.6	Detected	288.4	Detected	Gm16039	1.223070399	1.25360475	1.40136054	1.436346
A_66_P1074	39.9	Detected	41.9	Detected	26.1	Detected	48.8	Not Detect	Sfxn5	1.223057644	0.65413534	1.1646778	0.6229117
A_55_P1970	45525	Detected	33150.9	Detected	64052	Detected	55679.1	Detected	Agpat2	1.223044481	1.40696321	1.67956526	1.9321346
A_55_P2337	15.7	Detected	15.6	Detected	6	Not Detect	19.2	Not Detect	4930557J02Rik	1.222929936	0.38216561	1.23076923	0.3846154
A_55_P2070	19.3	Detected	15.2	Not Detect	17.5	Not Detect	23.6	Not Detect	Vmn2r59	1.222797927	0.90673575	1.55263158	1.1513158
A_51_P4608	4754.1	Detected	4753.7	Detected	5865.9	Detected	5812.9	Detected	Rgl2	1.222713027	1.2338613	1.22281591	1.2339651
A_55_P2025	22.9	Detected	27	Detected	21.5	Detected	28	Not Detect	Syce1l	1.222707424	0.93886463	1.03703704	0.7962963
A_51_P4666	973.4	Detected	1197.7	Detected	742.5	Detected	1190.1	Detected	Homer3	1.222621738	0.76279022	0.9936545	0.6199382
A_52_P5320	2308	Detected	2616.1	Detected	2487.1	Detected	2821.7	Detected	Hlhf	1.222573657	1.07759965	1.07859027	0.95069
A_52_P4421	35.5	Detected	12.2	Not Detect	21.9	Detected	43.4	Not Detect	Bsn	1.222535211	0.61690141	3.55737705	1.795082
A_55_P2156	1428.5	Detected	1284.7	Detected	1529	Detected	1746.2	Detected	Cd3e	1.22240112	1.07035352	1.35922784	1.1901611
A_55_P2090	3597.4	Detected	2845.9	Detected	3279	Detected	4397.4	Detected	Stk40	1.222382832	0.91149163	1.54517024	1.1521838
A_55_P2037	18.9	Detected	22.2	Detected	14	Not Detect	23.1	Not Detect	Cyp2d10	1.222222222	0.74074074	1.04054054	0.6306306

A_55_P1975	15.3 Detected	18.4 Not Detect	28 Detected	18.7 Not Detect	Jhdm1d	1.22222222	1.83006536	1.01630435	1.5217391
A_55_P2134	6438.8 Detected	6487.9 Detected	4619.9 Detected	7869.1 Detected	A130077B15Rik	1.222137665	0.71750947	1.21288861	0.7120794
A_55_P2105	6823.4 Detected	5041.8 Detected	5791.8 Detected	8338.6 Detected	Wdr62	1.222059384	0.84881437	1.65389345	1.1487564
A_55_P1959	45.5 Detected	50.3 Detected	36 Detected	55.6 Detected	Chat	1.221978022	0.79120879	1.10536779	0.7157058
A_51_P3046	5152.1 Detected	4736.8 Detected	5379.9 Detected	6295.5 Detected	Clpx	1.221928922	1.04421498	1.32906181	1.1357668
A_55_P2081	279 Detected	274.1 Detected	183 Detected	340.9 Detected	Gpr26	1.221863799	0.65591398	1.24370668	0.6676395
A_55_P1976	3637.6 Detected	3955.8 Detected	4232.9 Detected	4444.6 Detected	Snrnp35	1.221849571	1.16365186	1.1235654	1.070049
A_55_P1955	30887.8 Detected	32582.2 Detected	35858.6 Detected	37739.6 Detected		7-Sep 1.221828683	1.16093085	1.15828888	1.100558
A_55_P2090	6290.1 Detected	6374 Detected	6087.6 Detected	7685.1 Detected	Phrf1	1.221777078	0.96780655	1.20569501	0.9550675
A_55_P2178	74.4 Detected	77.6 Detected	64 Detected	90.9 Detected	Gprc5d	1.221774194	0.86021505	1.17139175	0.8247423
A_55_P2041	215.6 Detected	153.8 Detected	201.8 Detected	263.4 Detected	Cep350	1.221706865	0.93599258	1.71261378	1.3120936
A_51_P4075	314.9 Detected	338.4 Detected	248.3 Detected	384.7 Detected	Usp24	1.221657669	0.78850429	1.13682033	0.733747
A_55_P2035	17227 Detected	14015.1 Detected	19412.9 Detected	21044.4 Detected	Rab6a	1.221594009	1.12688802	1.5015519	1.3851417
A_51_P5099	14.9 Not Detect	20 Detected	32.8 Detected	18.2 Not Detect	Cox6a2	1.22147651	2.20134228	0.91	1.64
A_51_P4853	3203.1 Detected	2377.5 Detected	3920.4 Detected	3912.4 Detected	Parn	1.221441728	1.22393931	1.64559411	1.648959
A_55_P2020	74.1 Detected	104.7 Detected	111.1 Detected	90.5 Detected	Mapk8	1.221322537	1.49932524	0.8643744	1.061127
A_55_P2001	72.3 Detected	91.9 Detected	104.6 Detected	88.3 Detected	Olf297	1.221300138	1.44674965	0.96082699	1.1381937
A_52_P2513	1317.3 Detected	1430.3 Detected	972.1 Detected	1608.8 Detected	Neil3	1.221285964	0.73794883	1.12479899	0.6796476
A_55_P2125	207.9 Detected	178.6 Detected	164.3 Detected	253.9 Detected	Brd1	1.221260221	0.79028379	1.42161254	0.9199328
A_66_P1198	2697 Detected	2412.9 Detected	3048.7 Detected	3293.3 Detected	Wdr91	1.221097516	1.13040415	1.36487215	1.2635004
A_55_P2092	29.4 Detected	15.1 Not Detect	34.6 Detected	35.9 Not Detect	Gm7694	1.221088435	1.17687075	2.37748344	2.2913907
A_55_P2069	627.5 Detected	589.2 Detected	577.7 Detected	766.2 Detected	Dennd4a	1.221035857	0.92063745	1.30040733	0.980482
A_55_P2208	1366.3 Detected	1431.8 Detected	1053.4 Detected	1668.3 Detected	D230019N24Rik	1.221034912	0.77098734	1.1651767	0.7357173
A_55_P2052	206208.2 Detected	233132.6 Detected	205450.6 Detected	251771.5 Detected	Gm12618	1.22095775	0.99632604	1.07994978	0.8812607
A_65_P1045	1260.7 Detected	1638.3 Detected	1332.2 Detected	1539.1 Detected	Tmpo	1.220829698	1.05671452	0.93944943	0.81316
A_55_P1984	60.7 Detected	48.9 Detected	56.2 Detected	74.1 Detected	Gfra4	1.220757825	0.92586491	1.51533742	1.1492843
A_55_P1965	4374.4 Detected	6492.6 Detected	4670.3 Detected	5339.8 Detected	Rwdd1	1.220693124	1.06764356	0.82244401	0.7193266
A_55_P2172	121 Detected	93.4 Detected	88.7 Detected	147.7 Detected	Thnsl1	1.220661157	0.73305785	1.58137045	0.9496788
A_52_P6493	13502.8 Detected	16365.2 Detected	16786.5 Detected	16481.9 Detected	Sdf4	1.220628314	1.2431866	1.00713099	1.0257437
A_51_P5149	1525.9 Detected	1536.1 Detected	2048.2 Detected	1862.5 Detected	Ccar2	1.220591127	1.3422898	1.21248617	1.3333767
A_55_P2128	725.6 Detected	816.4 Detected	721.9 Detected	885.6 Detected	Rap1a	1.220507166	0.99490077	1.08476237	0.8842479
A_55_P2141	142.9 Detected	127.4 Detected	122.1 Detected	174.4 Detected	Zbtb49	1.22043387	0.85444367	1.3689168	0.9583987
A_52_P3541	1834.6 Detected	1906.1 Detected	2625 Detected	2238.9 Detected	Rheb1	1.220375014	1.43082961	1.17459735	1.3771575
A_55_P2002	54 Detected	55.6 Detected	31.4 Detected	65.9 Detected	Inpp4a	1.22037037	0.58148148	1.1852518	0.5647482
A_55_P2099	165.7 Detected	163.1 Detected	191.9 Detected	202.2 Detected	Gm10461	1.22027761	1.15811708	1.23973023	1.1765788
A_51_P3982	1490.5 Detected	1926.5 Detected	1400.2 Detected	1818.8 Detected	Dnajc11	1.220261657	0.9394163	0.94409551	0.7268103
A_55_P2424	106.3 Detected	82 Detected	93.9 Detected	129.7 Detected	Nrg3os	1.220131703	0.88334901	1.58170732	1.145122
A_55_P2130	15.9 Detected	27.9 Detected	15.6 Not Detect	19.4 Not Detect	Olf1135	1.220125786	0.98113208	0.6953405	0.5591398
A_55_P1974	1408.1 Detected	2274.5 Detected	1592.6 Detected	1718 Detected	Eif4e	1.220083801	1.13102763	0.75533084	0.7001978
A_51_P3764	214.1 Detected	181.6 Detected	204.4 Detected	261.2 Detected	Tcaim	1.219990659	0.95469407	1.43832599	1.1255507

A_55_P2173	605.6	Detected	594	Detected	645.3	Detected	738.8	Detected	Crk	1.21994716	1.06555482	1.24377104	1.0863636
A_52_P1381	487.4	Detected	443.8	Detected	441.9	Detected	594.6	Detected	1110032A03Rik	1.219942552	0.90664752	1.3397927	0.9957188
A_55_P2127	124.6	Detected	132.6	Detected	141.8	Detected	152	Detected	Ccl19	1.219903692	1.13804173	1.14630468	1.0693816
A_55_P2057	7942.5	Detected	8712.6	Detected	8235.5	Detected	9688.7	Detected	Ccdc134	1.219855209	1.03689015	1.11203315	0.9452402
A_55_P2319	130.1	Detected	128.5	Detected	128.7	Detected	158.7	Detected	AW552889	1.219830899	0.98923905	1.23501946	1.0015564
A_55_P2042	2763.5	Detected	3133.5	Detected	2166.6	Detected	3371	Detected	Alkbh4	1.219829926	0.78400579	1.07579384	0.6914313
A_55_P1953	980.1	Detected	1195.5	Detected	1030.2	Detected	1195.5	Detected	Lemd3	1.219773493	1.05111723	1	0.8617315
A_51_P3685	3755.7	Detected	4177.9	Detected	3177.2	Detected	4581	Detected	Abhd8	1.219745986	0.84596746	1.09648388	0.7604778
A_55_P2225	127	Detected	112.2	Detected	85.9	Detected	154.9	Detected	6330415G19Rik	1.219685039	0.67637795	1.38057041	0.7655971
A_52_P1838	564.7	Detected	1107.5	Detected	432.2	Detected	688.7	Detected	Dctd	1.219585621	0.76536214	0.62185102	0.3902483
A_51_P4412	136.2	Detected	185.8	Detected	198.6	Detected	166.1	Detected	Ttc5	1.219530103	1.45814978	0.89397201	1.0688913
A_52_P4844	16417.4	Detected	15306	Detected	18329.5	Detected	20021.4	Detected	Twf1	1.219523189	1.11646789	1.30807526	1.1975369
A_55_P2083	8.2	Not Detect	15.5	Not Detect	21.1	Detected	10	Not Detect	Phgr1	1.219512195	2.57317073	0.64516129	1.3612903
A_52_P6300	1187.2	Detected	1244.6	Detected	1519.7	Detected	1447.8	Detected	Bet1l	1.219508086	1.28007075	1.16326531	1.2210349
A_55_P1963	159.5	Detected	178.8	Detected	154.1	Detected	194.5	Detected	Chchd7	1.219435737	0.9661442	1.08780761	0.8618568
A_55_P2021	79.3	Detected	79.4	Detected	78.4	Detected	96.7	Detected	Mum1	1.219419924	0.98865069	1.21788413	0.9874055
A_55_P1966	6926.2	Detected	7853.3	Detected	6603.3	Detected	8445.9	Detected	Rnaseh2a	1.219413242	0.95337992	1.07545872	0.8408312
A_55_P2122	349.8	Detected	248.2	Detected	323.5	Detected	426.5	Detected	Ppp2r3d	1.219268153	0.92481418	1.71837228	1.3033844
A_55_P1975	3698.1	Detected	6470.6	Detected	817.4	Detected	4508.8	Detected	Ifi204	1.219220681	0.22103242	0.69681328	0.1263252
A_51_P4193	9513.6	Detected	9422.6	Detected	11880.6	Detected	11599	Detected	Pdcd2l	1.219201985	1.24880172	1.23097659	1.2608622
A_55_P1964	5857.1	Detected	6102	Detected	6378.8	Detected	7140.9	Detected	Carm1	1.21918697	1.08907138	1.17025565	1.0453622
A_52_P1763	2433.7	Detected	2319.9	Detected	2347.8	Detected	2966.9	Detected	Med1	1.219090274	0.96470395	1.27889133	1.0120264
A_55_P2061	9002.8	Detected	10098.5	Detected	13006.8	Detected	10974.8	Detected	Lsm5	1.219042964	1.44475052	1.08677526	1.2879933
A_55_P2080	119.2	Detected	94.6	Detected	142	Detected	145.3	Detected	Ttc30a2	1.218959732	1.19127517	1.5359408	1.5010571
A_55_P2055	319.7	Detected	376.1	Detected	456.2	Detected	389.7	Detected	Zfp800	1.218955271	1.42696278	1.0361606	1.2129753
A_55_P1964	34734.8	Detected	40242.9	Detected	35364.6	Detected	42339.8	Detected	Nme1	1.218944689	1.01813167	1.05210609	0.8787786
A_55_P1954	1387.7	Detected	1488	Detected	1577.1	Detected	1691.5	Detected	2310081J21Rik	1.218923398	1.13648483	1.13676075	1.059879
A_52_P4891	3851.7	Detected	4764.9	Detected	3965.6	Detected	4694.9	Detected	Nol6	1.218916323	1.02957136	0.98530924	0.8322525
A_55_P2147	6563.9	Detected	7532.1	Detected	8159.4	Detected	8000.6	Detected	Abhd17a	1.21887902	1.24307195	1.06220045	1.0832835
A_55_P2133	1233.6	Detected	856.6	Detected	1093.4	Detected	1503.5	Detected	Tollip	1.218790532	0.8863489	1.75519496	1.2764417
A_55_P2093	13620.9	Detected	11399.8	Detected	12054.2	Detected	16600.5	Detected	Zc3h4	1.218752065	0.88497823	1.45620976	1.0574045
A_55_P2235	139	Detected	104	Detected	142.4	Detected	169.4	Detected	Gm9856	1.218705036	1.02446043	1.62884615	1.3692308
A_55_P2261	606.4	Detected	615	Detected	379.8	Detected	739	Detected	D230040J21Rik	1.218667546	0.62631926	1.20162602	0.617561
A_52_P6484	30184.7	Detected	24263.9	Detected	30024.2	Detected	36782	Detected	Nedd4	1.218564372	0.99468274	1.51591459	1.2374021
A_51_P3743	8652.2	Detected	9625.9	Detected	10265.7	Detected	10543.2	Detected	Rchy1	1.21855713	1.18648436	1.09529499	1.0664665
A_55_P2043	171.6	Detected	192.8	Detected	166.5	Detected	209.1	Detected	Exoc4	1.218531469	0.97027972	1.08454357	0.8635892
A_66_P1343	15512.6	Detected	16499.8	Detected	13910.8	Detected	18901.5	Detected	Gm5079	1.218461122	0.896742	1.14555934	0.843089
A_55_P1961	8461.5	Detected	7374.2	Detected	10051.2	Detected	10310	Detected	Prka	1.218460084	1.18787449	1.39811776	1.3630224
A_52_P1753	606.1	Detected	553.6	Detected	816.9	Detected	738.4	Detected	Yme1l1	1.218280812	1.34779739	1.33381503	1.4756142
A_55_P2103	3299.5	Detected	2866.2	Detected	2621.6	Detected	4019.6	Detected	Ppp1r2	1.218245189	0.79454463	1.40241435	0.9146605

A_55_P2157	47.2 Detected	30.9 Detected	43.2 Detected	57.5 Detected	Gm13375	1.218220339	0.91525424	1.86084142	1.3980583
A_55_P2178	6675.7 Detected	6268.7 Detected	7064.3 Detected	8132.3 Detected	Apoa2	1.218194347	1.05821112	1.29728652	1.1269163
A_66_P1400	3100.1 Detected	4086.1 Detected	3729.6 Detected	3776.5 Detected	Wdyhv1	1.21818651	1.20305797	0.92423093	0.912753
A_51_P2513	8498.8 Detected	7847.2 Detected	11226 Detected	10353.1 Detected	Slc25a13	1.218183744	1.32089236	1.31933683	1.430574
A_55_P2000	3400.5 Detected	3437.9 Detected	4032.6 Detected	4142.4 Detected	Nrf1	1.218173798	1.18588443	1.20492161	1.1729835
A_66_P1294	2334 Detected	1831.5 Detected	3080.7 Detected	2843.2 Detected	Pnkp	1.218166238	1.31992288	1.55238875	1.6820639
A_51_P4404	22253.5 Detected	24017.1 Detected	33508.2 Detected	27108.3 Detected	Exosc5	1.218158941	1.50574966	1.1287083	1.3951809
A_55_P2270	6689.7 Detected	6649.2 Detected	5509.8 Detected	8148.9 Detected	B930036G03Rik	1.218126373	0.82362438	1.22554593	0.828641
A_55_P2086	136.2 Detected	139.8 Detected	149.5 Detected	165.9 Detected	Wscd2	1.218061674	1.09765051	1.18669528	1.0693848
A_55_P2193	181.7 Detected	177.2 Detected	177.3 Detected	221.3 Detected	4731420N21	1.217941662	0.97578426	1.24887133	1.0005643
A_51_P1933	10191.6 Detected	12199.2 Detected	13056.2 Detected	12412.7 Detected	Mrps7	1.217934377	1.28107461	1.01750115	1.0702505
A_55_P2213	51.4 Detected	53.7 Detected	33.3 Detected	62.6 Detected	Hnrnpr	1.217898833	0.64785992	1.16573557	0.6201117
A_52_P3754	8407.2 Detected	9604.2 Detected	7288.9 Detected	10239 Detected	Tfdp1	1.21788467	0.86698306	1.06609608	0.7589284
A_55_P2113	28 Detected	16.3 Not Detect	17.2 Not Detect	34.1 Not Detect	St6gal2	1.217857143	0.61428571	2.09202454	1.0552147
A_55_P2014	66905.6 Detected	62915.6 Detected	62355.2 Detected	81474.2 Detected	Naip5	1.217748589	0.93198776	1.29497613	0.9910928
A_55_P2135	167.2 Detected	132.1 Detected	184 Detected	203.6 Detected	Dnase1l2	1.217703349	1.10047847	1.54125662	1.3928842
A_66_P1392	46899.2 Detected	45140.8 Detected	53309 Detected	57109.3 Detected	Tom70	1.217703074	1.13667184	1.26513708	1.1809494
A_55_P1958	19.3 Detected	9.6 Not Detect	14 Not Detect	23.5 Not Detect	Bcl11a	1.21761658	0.7253886	2.44791667	1.4583333
A_55_P1977	3928.4 Detected	3696.8 Detected	3289 Detected	4783.1 Detected	Cd244	1.217569494	0.83723653	1.29384873	0.8896884
A_51_P2869	37.7 Detected	34.6 Detected	40.8 Detected	45.9 Detected	1700034O15Rik	1.217506631	1.08222812	1.3265896	1.1791908
A_55_P1981	1162.2 Detected	1071.5 Detected	1226.4 Detected	1414.9 Detected	Nr2c2	1.217432456	1.05524006	1.3204853	1.1445637
A_51_P3105	8575.6 Detected	8221.1 Detected	11134.6 Detected	10440 Detected	Osgep	1.217407528	1.29840478	1.26990305	1.354393
A_51_P4487	66.7 Detected	71.5 Detected	54.3 Detected	81.2 Detected	Nrsn1	1.217391304	0.81409295	1.13566434	0.7594406
A_55_P2124	201529.1 Detected	262710.6 Detected	250714.5 Detected	245326.3 Detected	Gm6981	1.217324446	1.24406103	0.93382718	0.9543372
A_55_P1979	10991.3 Detected	8671.5 Detected	16950 Detected	13379.6 Detected	Tef	1.217290038	1.54212877	1.54293951	1.9546791
A_55_P2157	8036.7 Detected	8005.6 Detected	10768.2 Detected	9782.4 Detected	Rpusd3	1.217216022	1.33987831	1.22194464	1.3450834
A_55_P2011	329.7 Detected	333.5 Detected	296.1 Detected	401.3 Detected	Kif19a	1.217167122	0.89808917	1.20329835	0.8878561
A_51_P3846	1808.9 Detected	1933 Detected	2166.8 Detected	2201.7 Detected	Ddx10	1.217148543	1.19785505	1.13900673	1.1209519
A_55_P2121	705.6 Detected	884 Detected	857.5 Detected	858.8 Detected	Tdg	1.217120181	1.21527778	0.97149321	0.9700226
A_55_P2172	14367 Detected	11523.1 Detected	11667.5 Detected	17486.2 Detected	Ptpn23	1.217108652	0.81210413	1.51749095	1.0125314
A_55_P2009	2625.3 Detected	2722.9 Detected	2558.9 Detected	3195.1 Detected	Nrsn2	1.217041862	0.97470765	1.17341805	0.9397701
A_51_P2438	14439.2 Detected	13092.6 Detected	15701.3 Detected	17572.5 Detected	Copb2	1.216999557	1.08740789	1.34217039	1.19925
A_51_P5125	7216.3 Detected	8316.5 Detected	6020.3 Detected	8781.7 Detected	Zfp68	1.216925571	0.8342641	1.05593699	0.7238983
A_51_P2702	6112.7 Detected	7623.5 Detected	6896.1 Detected	7437.6 Detected	Ccdc41	1.216745464	1.12815941	0.97561488	0.9045845
A_55_P1996	2326.2 Detected	2241.8 Detected	3315.1 Detected	2830.3 Detected	Kat5	1.216705356	1.42511392	1.26251227	1.4787671
A_55_P2102	1738.6 Detected	999.2 Detected	2244.2 Detected	2115.3 Detected	Etl4	1.216668584	1.2908087	2.11699359	2.2459968
A_55_P1963	78 Detected	75.5 Detected	63.3 Detected	94.9 Detected	Ppfia4	1.216666667	0.81153846	1.25695364	0.8384106
A_51_P3195	3430.2 Detected	3468.7 Detected	2429.7 Detected	4173.4 Detected	Usp42	1.216663751	0.70832605	1.20315969	0.7004642
A_55_P2135	19.4 Detected	12.4 Not Detect	4.4 Not Detect	23.6 Not Detect	Cnpy4	1.216494845	0.22680412	1.90322581	0.3548387
A_55_P1954	2462.3 Detected	2976.8 Detected	2830 Detected	2995.1 Detected	Ssh2	1.216383056	1.14933193	1.00614754	0.9506853

A_55_P1972	30939.3	Detected	21573	Detected	24143.6	Detected	37633.8	Detected	Klf3	1.21637529	0.78035379	1.74448616	1.1191582
A_52_P4338	363.3	Detected	354.5	Detected	369.5	Detected	441.9	Detected	Tctn3	1.216350124	1.01706579	1.24654443	1.0423131
A_55_P1992	124156.5	Detected	102657.7	Detected	164675.6	Detected	151014.4	Detected	Edf1	1.216322947	1.32635504	1.47104796	1.6041232
A_55_P1968	4896.4	Detected	2981.1	Detected	9090.1	Detected	5955.6	Detected	Smagg	1.216322196	1.8564864	1.99778605	3.0492436
A_51_P1321	22.2	Detected	49.8	Detected	48.8	Detected	27	Not Detect	Ccdc141	1.216216216	2.1981982	0.54216867	0.9799197
A_51_P3902	1632.7	Detected	1774	Detected	1522.2	Detected	1985.6	Detected	Cwc25	1.216145036	0.9323207	1.11927847	0.8580609
A_51_P3240	9056.5	Detected	8460.5	Detected	8165	Detected	11013.8	Detected	Med1	1.216121018	0.90156241	1.30179067	0.965073
A_55_P2032	63006	Detected	79006.1	Detected	58594.1	Detected	76619.7	Detected	Hmgb1	1.216069898	0.92997651	0.96979474	0.7416402
A_55_P2161	18308.7	Detected	18911.6	Detected	18216.5	Detected	22264.6	Detected	Srp68	1.216066679	0.99496414	1.17729859	0.9632448
A_52_P2114	650.1	Detected	632.9	Detected	547.1	Detected	790.4	Detected	G2e3	1.215812952	0.84156284	1.24885448	0.8644336
A_52_P8000	19	Detected	20.4	Detected	21.9	Detected	23.1	Not Detect	Gpr139	1.215789474	1.15263158	1.13235294	1.0735294
A_55_P2117	10008	Detected	10084.7	Detected	10368	Detected	12167.6	Detected	Rnf185	1.21578737	1.03597122	1.2065406	1.0280921
A_51_P3178	346.4	Detected	367.9	Detected	330.4	Detected	421.1	Detected	Cetn1	1.215646651	0.95381062	1.14460451	0.8980701
A_52_P6523	2530.8	Detected	2078.7	Detected	3251.3	Detected	3076.5	Detected	Mapre2	1.215623518	1.28469259	1.48001155	1.5641026
A_51_P2211	1969.3	Detected	2222	Detected	2203.5	Detected	2393.8	Detected	L2hgdh	1.215558828	1.11892551	1.07731773	0.9916742
A_55_P1979	1302.8	Detected	1186.2	Detected	1178.1	Detected	1583.6	Detected	Zfp648	1.215535769	0.90428308	1.33501939	0.9931715
A_55_P2053	238580.8	Detected	249698	Detected	266588.3	Detected	289998	Detected	Gm6548	1.215512732	1.1173921	1.16139497	1.0676429
A_55_P2060	25386.7	Detected	18346.5	Detected	14033.9	Detected	30856	Detected	Usp12	1.215439581	0.55280521	1.68184667	0.7649361
A_51_P4389	1645.2	Detected	1686.3	Detected	1493.9	Detected	1999.5	Detected	Bag4	1.215353756	0.9080355	1.18573208	0.8859041
A_55_P1978	16100.3	Detected	14116.3	Detected	17524.7	Detected	19566.6	Detected	Nr1h2	1.215294125	1.0884704	1.38609976	1.2414514
A_55_P2050	113.8	Detected	122.2	Detected	88.2	Detected	138.3	Detected	Cyp4a31	1.215289982	0.77504394	1.13175123	0.7217676
A_55_P1989	7.9	Not Detect	7.2	Not Detect	127.6	Detected	9.6	Not Detect	Olfir694	1.215189873	16.1518987	1.33333333	17.722222
A_55_P2019	191.5	Detected	195.7	Detected	308.3	Detected	232.7	Detected	Ncoa7	1.215143603	1.60992167	1.1890649	1.5753705
A_52_P6999	17386.8	Detected	19280.4	Detected	16531.7	Detected	21126.6	Detected	Kdelr2	1.215094209	0.95081901	1.09575527	0.8574355
A_55_P2013	236.2	Detected	190	Detected	247.9	Detected	287	Detected	S100z	1.215071973	1.04953429	1.51052632	1.3047368
A_55_P2077	1443.4	Detected	1660.2	Detected	1337	Detected	1753.8	Detected	Hdac1	1.215047804	0.92628516	1.05637875	0.8053247
A_55_P2080	580.6	Detected	587.1	Detected	480.3	Detected	705.4	Detected	Tgif2lx1	1.214950052	0.82724767	1.20149889	0.8180889
A_55_P2147	2331.5	Detected	2251.4	Detected	2517.7	Detected	2832.5	Detected	Med27	1.214883122	1.07986275	1.25810607	1.118282
A_52_P1826	93372.9	Detected	103496	Detected	92669.8	Detected	113437.1	Detected	Cs	1.214882477	0.99246998	1.09605299	0.895395
A_55_P2029	13339	Detected	15194	Detected	17443.1	Detected	16204	Detected	Arf4	1.214783717	1.30767674	1.06647361	1.1480255
A_52_P6036	2467.8	Detected	3009	Detected	2527.4	Detected	2997.7	Detected	Stx8	1.214725667	1.02415107	0.9962446	0.8399468
A_51_P5173	35.4	Detected	29	Detected	38.9	Detected	43	Detected	Wbscr28	1.214689266	1.09887006	1.48275862	1.3413793
A_52_P4191	3374.4	Detected	4017.9	Detected	4664.4	Detected	4098.7	Detected	Cyhr1	1.214645567	1.38229018	1.02011001	1.160905
A_52_P5520	2451.7	Detected	2841	Detected	2625.4	Detected	2977.9	Detected	Zfyve20	1.214626586	1.0708488	1.04818726	0.9241112
A_55_P1994	1847.4	Detected	1105.5	Detected	1743.7	Detected	2243.9	Detected	Its1	1.214625961	0.94386706	2.02976029	1.5772953
A_52_P5968	4514.2	Detected	5487.1	Detected	8893.1	Detected	5482.9	Detected	Hrsp12	1.214589518	1.97002791	0.99923457	1.6207286
A_55_P1987	27.5	Detected	32.4	Detected	25.5	Detected	33.4	Not Detect	Glipr113	1.214545455	0.92727273	1.0308642	0.787037
A_55_P1999	85.3	Detected	110.2	Detected	91.2	Detected	103.6	Detected	Aurkc	1.214536928	1.06916764	0.94010889	0.8275862
A_66_P1272	1128.1	Detected	1154	Detected	1368.3	Detected	1370.1	Detected	Krt10	1.214519989	1.21292439	1.1872617	1.1857019
A_55_P2066	14960.3	Detected	13794	Detected	18736.5	Detected	18169.2	Detected	Akt2	1.214494362	1.25241472	1.31718138	1.358308

A_52_P1093	1063.8	Detected	1176.3	Detected	882.5	Detected	1291.9	Detected	E2f5	1.214420004	0.82957323	1.09827425	0.7502338
A_55_P1994	65.3	Detected	66.3	Detected	77.3	Detected	79.3	Detected	Sema5b	1.2143951	1.18376723	1.19607843	1.1659125
A_52_P8435	1157.7	Detected	1446.7	Detected	1511.7	Detected	1405.9	Detected	Homez	1.214390602	1.3057787	0.97179788	1.0449298
A_55_P2136	165.6	Detected	181.1	Detected	145	Detected	201.1	Detected	Gm11213	1.214371981	0.87560386	1.11043622	0.8006626
A_55_P2047	118.5	Detected	139	Detected	112.4	Detected	143.9	Detected	Unc13a	1.214345992	0.94852321	1.0352518	0.8086331
A_55_P1987	7	Not Detect	15.3	Detected	9.6	Not Detect	8.5	Not Detect	4833424O15Rik	1.214285714	1.37142857	0.55555556	0.627451
A_55_P2145	3451.9	Detected	3614.1	Detected	3557	Detected	4191.4	Detected	Stk38l	1.214229844	1.030447	1.15973548	0.9842008
A_55_P1984	221986.5	Detected	276720.4	Detected	258538.7	Detected	269532.2	Detected	Gapdh	1.214182844	1.16465956	0.9740236	0.9342958
A_55_P2440	327.3	Detected	301.2	Detected	200	Detected	397.4	Detected	Usp24	1.214176596	0.61106019	1.31938911	0.6640106
A_55_P2168	423.5	Detected	380.6	Detected	469.7	Detected	514.2	Detected	Brox	1.214167651	1.10909091	1.3510247	1.234104
A_52_P1390	18851.8	Detected	23958.5	Detected	28158.3	Detected	22888.1	Detected	LOC101055659	1.214106876	1.49366639	0.95532275	1.1752948
A_51_P3427	586.5	Detected	741.8	Detected	705.3	Detected	712	Detected	Mlh3	1.213981245	1.20255754	0.95982745	0.9507954
A_55_P2037	694.2	Detected	669	Detected	650.9	Detected	842.7	Detected	Jsrp1	1.213915298	0.93762604	1.25964126	0.9729447
A_52_P1899	5774.6	Detected	5867.4	Detected	4967.9	Detected	7009.7	Detected	Dbnl	1.213884944	0.86030201	1.19468589	0.8466953
A_55_P2090	13746.4	Detected	13122	Detected	21544.9	Detected	16685.8	Detected	Mrpl48	1.21383053	1.56731217	1.2715897	1.6418915
A_55_P2061	36288.9	Detected	37661.1	Detected	48344.2	Detected	44045.4	Detected	Ghitm	1.213743045	1.33220351	1.16951974	1.283664
A_55_P2374	26.7	Detected	21.4	Detected	23.9	Detected	32.4	Not Detect	9530085L11Rik	1.213483146	0.89513109	1.51401869	1.1168224
A_55_P2110	34153.7	Detected	37463.4	Detected	37338.3	Detected	41444.6	Detected	Lmo7	1.213473211	1.09324319	1.10626905	0.9966607
A_55_P2105	192.1	Detected	178.4	Detected	138.9	Detected	233.1	Detected	Tmed5	1.213430505	0.72306091	1.30661435	0.7785874
A_55_P2014	41008.3	Detected	44499.2	Detected	42214.5	Detected	49759.3	Detected	Amd2	1.213395825	1.02941356	1.11820662	0.9486575
A_55_P1963	18539.3	Detected	19040.2	Detected	27053.1	Detected	22495.4	Detected	Tsen54	1.213389934	1.45922985	1.18146868	1.4208412
A_55_P2170	1307	Detected	1423.8	Detected	892.4	Detected	1585.9	Detected	Rgl1	1.213389441	0.682785	1.11385026	0.6267734
A_51_P5133	905.9	Detected	765.3	Detected	1009.5	Detected	1099.2	Detected	Azi2	1.21337896	1.11436141	1.43629949	1.3190906
A_55_P1962	14180	Detected	10556	Detected	13574.3	Detected	17205.5	Detected	Als2cl	1.213363893	0.95728491	1.62992611	1.2859322
A_55_P1991	187.5	Detected	155.6	Detected	172.9	Detected	227.5	Detected	Lair1	1.213333333	0.92213333	1.46208226	1.1111825
A_51_P2251	913.6	Detected	866.3	Detected	963.8	Detected	1108.5	Detected	Smndc1	1.213331874	1.05494746	1.27957982	1.1125476
A_52_P5123	810.1	Detected	701.4	Detected	1107.9	Detected	982.9	Detected	Zfp219	1.213306999	1.36760894	1.40134018	1.5795552
A_55_P2168	465.2	Detected	419.5	Detected	504.8	Detected	564.4	Detected	Brox	1.213241617	1.08512468	1.3454112	1.2033373
A_55_P2029	27.2	Detected	34.8	Detected	35.2	Detected	33	Not Detect	Muc4	1.213235294	1.29411765	0.94827586	1.0114943
A_66_P1371	1797.8	Detected	2089.9	Detected	1952.5	Detected	2181	Detected	Spryd7	1.213149405	1.08604962	1.0435906	0.9342552
A_55_P2150	2264.3	Detected	2254.5	Detected	2205.4	Detected	2746.8	Detected	E030030I06Rik	1.213090138	0.97398755	1.21836327	0.9782213
A_52_P1276	2276.2	Detected	1606.3	Detected	2756.9	Detected	2761.2	Detected	Dagla	1.213074422	1.21118531	1.71898151	1.7163046
A_55_P2042	3867.6	Detected	5036.7	Detected	4230.5	Detected	4691.4	Detected	Zfp639	1.21300031	1.0938308	0.93144321	0.8399349
A_51_P1149	39182.3	Detected	36604.9	Detected	43028.1	Detected	47525.9	Detected	Cstb	1.212943089	1.09815146	1.29834804	1.1754738
A_52_P2876	953.8	Detected	989.6	Detected	1193.1	Detected	1156.9	Detected	Pik3c3	1.212937723	1.25089117	1.16905821	1.2056386
A_51_P1621	8269.7	Detected	8492.8	Detected	8147.3	Detected	10030.5	Detected	Trappc3	1.212921871	0.98519898	1.18105925	0.9593185
A_66_P1162	233.2	Detected	224.3	Detected	252.5	Detected	282.8	Detected	Efh2	1.212692967	1.08276158	1.26081141	1.1257245
A_55_P2179	840.2	Detected	620.6	Detected	898.9	Detected	1018.8	Detected	Macrod2	1.212568436	1.06986432	1.64163713	1.448437
A_55_P2148	73.4	Detected	52	Detected	68.1	Detected	89	Detected	2810021J22Rik	1.21253406	0.92779292	1.71153846	1.3096154
A_51_P2095	4938.2	Detected	5900.3	Detected	4666.9	Detected	5987.6	Detected	Bcl10	1.212506581	0.94506095	1.01479586	0.7909598

A_52_P5393	14392.2	Detected	11610.8	Detected	18181.6	Detected	17450.2	Detected	Serp2	1.212476202	1.2632954	1.50292831	1.5659214
A_55_P1953	417	Detected	214.4	Detected	266.3	Detected	505.6	Detected	Cry2	1.212470024	0.63860911	2.35820896	1.2420709
A_55_P1966	3614.7	Detected	4399.2	Detected	3980.4	Detected	4382.7	Detected	Arhgdib	1.212465765	1.10117022	0.99624932	0.9048009
A_52_P6552	1367.4	Detected	1792.3	Detected	1751.3	Detected	1657.9	Detected	Bora	1.21244698	1.28075179	0.92501255	0.9771244
A_55_P1958	4654.4	Detected	3428	Detected	4469.9	Detected	5643.1	Detected	Nipsnap3b	1.212422654	0.96036009	1.64617853	1.3039382
A_55_P2380	201.1	Detected	190.3	Detected	224	Detected	243.8	Detected	5430440L12Rik	1.212332173	1.11387369	1.28113505	1.1770888
A_55_P1967	6038.7	Detected	6631.1	Detected	8812.5	Detected	7320.9	Detected	Lsm5	1.212330468	1.45933727	1.10402497	1.328965
A_55_P2100	13288.4	Detected	19505.3	Detected	14932	Detected	16108.5	Detected	Ptges3	1.21222269	1.12368682	0.82585246	0.7655355
A_55_P1988	6464.2	Detected	8322.9	Detected	9275.3	Detected	7835.9	Detected	Gstz1	1.212199499	1.43487206	0.94148674	1.1144313
A_51_P3085	41	Detected	42.9	Detected	34.7	Detected	49.7	Not Detect	Gcm2	1.212195122	0.84634146	1.15850816	0.8088578
A_55_P2111	167.3	Detected	184.8	Detected	166.8	Detected	202.8	Detected	Higd1b	1.212193664	0.99701136	1.0974026	0.9025974
A_55_P2129	190.4	Detected	167.5	Detected	220.7	Detected	230.8	Detected	Palb2	1.212184874	1.15913866	1.37791045	1.3176119
A_55_P2061	721.3	Detected	702.6	Detected	595.8	Detected	874.3	Detected	Pnlcd1	1.212117011	0.8260086	1.24437802	0.8479932
A_55_P2100	41.5	Detected	38.7	Detected	46.4	Detected	50.3	Not Detect	Duox2	1.212048193	1.11807229	1.2997416	1.1989664
A_55_P2008	2614	Detected	2502.5	Detected	2829.8	Detected	3168.1	Detected	Gm15348	1.211973986	1.08255547	1.26597403	1.1307892
A_52_P1685	194.5	Detected	180.6	Detected	190.2	Detected	235.7	Detected	Zdhhc21	1.211825193	0.97789203	1.30509413	1.0531561
A_55_P2022	1344.4	Detected	1275.3	Detected	1395.1	Detected	1629.1	Detected	Mgat5b	1.211767331	1.03771199	1.27742492	1.0939387
A_55_P2166	454.8	Detected	499.2	Detected	452.3	Detected	551.1	Detected	Atp9a	1.211741425	0.99450308	1.10396635	0.9060497
A_55_P2043	5042	Detected	4514.3	Detected	6361.1	Detected	6108.7	Detected	Rnf26	1.211562872	1.26162237	1.35318876	1.4091
A_55_P1970	20.8	Detected	17	Detected	14	Not Detect	25.2	Not Detect	Zscan10	1.211538462	0.67307692	1.48235294	0.8235294
A_51_P3427	21653	Detected	20538.7	Detected	20290.8	Detected	26233	Detected	Ppp1cb	1.211518034	0.93708955	1.27724734	0.9879301
A_55_P2173	1003.9	Detected	1421.8	Detected	943.9	Detected	1216.2	Detected	Gm20939	1.211475247	0.94023309	0.85539457	0.6638768
A_55_P2013	2945.1	Detected	3184.2	Detected	3810.4	Detected	3567.9	Detected	Arpc4	1.211469899	1.29381006	1.12050122	1.1966585
A_55_P2149	7202.6	Detected	9495.4	Detected	7040.5	Detected	8725.7	Detected	Srsf11	1.211465304	0.97749424	0.9189397	0.7414643
A_55_P2000	8617.6	Detected	8012.7	Detected	6610.1	Detected	10439.9	Detected	Slc5a6	1.211462588	0.76704651	1.30291912	0.8249529
A_55_P1975	16292.8	Detected	22795	Detected	20877.3	Detected	19737.8	Detected	Nup37	1.211443091	1.28138196	0.86588287	0.9158719
A_55_P2166	5610.1	Detected	4385.5	Detected	6831.2	Detected	6796.3	Detected	Dedd2	1.211440081	1.217661	1.54972067	1.5576787
A_66_P1256	2887.1	Detected	3332.4	Detected	2755.7	Detected	3497.5	Detected	Wdr63	1.211423227	0.9544872	1.04954387	0.8269415
A_55_P2055	116.5	Detected	94.6	Detected	122.6	Detected	141.1	Detected	Zscan26	1.211158798	1.05236052	1.49154334	1.2959831
A_55_P2034	755	Detected	1362.6	Detected	855.4	Detected	914.4	Detected	BC147527	1.211125828	1.13298013	0.67107001	0.6277704
A_55_P2015	59.7	Detected	39.3	Detected	102.1	Detected	72.3	Detected	Tuba3a	1.211055276	1.71021776	1.83969466	2.5979644
A_55_P2443	578.6	Detected	685.5	Detected	602.2	Detected	700.7	Detected	Xpo7	1.211026616	1.04078811	1.0221736	0.8784829
A_51_P4018	8407.3	Detected	8580.4	Detected	7952.3	Detected	10181.3	Detected	2510003E04Rik	1.211007101	0.94588037	1.18657638	0.9267983
A_51_P5167	5319.8	Detected	5546.9	Detected	5503.5	Detected	6442.1	Detected	Hap1	1.210966578	1.03453137	1.16138744	0.9921758
A_55_P2002	22209.6	Detected	17927.9	Detected	30430.3	Detected	26890.8	Detected	Hmha1	1.210773719	1.37014174	1.49994143	1.6973711
A_55_P2115	713.9	Detected	798.5	Detected	751.3	Detected	864.3	Detected	Prpf4	1.210673764	1.05238829	1.08240451	0.9408892
A_55_P2045	264.9	Detected	255.1	Detected	343.8	Detected	320.7	Detected	Zfp953	1.210645527	1.29784824	1.25715406	1.3477068
A_55_P2161	5806.8	Detected	5981.3	Detected	4624.4	Detected	7029.6	Detected	Trp63	1.210580698	0.79637666	1.1752629	0.773143
A_55_P2420	342.5	Detected	439.3	Detected	321.8	Detected	414.6	Detected	2900016J10Rik	1.210510949	0.93956204	0.94377419	0.732529
A_52_P1001	1403.5	Detected	1086.9	Detected	1480.9	Detected	1698.7	Detected	Tmem64	1.210331315	1.05514784	1.56288527	1.3624988

A_55_P2198	2670.8	Detected	2696.7	Detected	3761.9	Detected	3232.5	Detected	Tsen54	1.210311517	1.40852928	1.19868728	1.3950013
A_55_P2096	9743.5	Detected	10369.4	Detected	11955.7	Detected	11792.3	Detected	Bcs1l	1.210273516	1.22704367	1.13722105	1.152979
A_51_P5084	5355.5	Detected	6731.3	Detected	5198.3	Detected	6481.5	Detected	Tmtc4	1.210251144	0.970647	0.96288978	0.772258
A_55_P2028	14301	Detected	17279.1	Detected	18035.3	Detected	17307.8	Detected	Stoml2	1.210251031	1.2611216	1.00166097	1.0437639
A_55_P2035	50.9	Detected	49.8	Detected	35.6	Detected	61.6	Detected	3110099E03Rik	1.21021611	0.69941061	1.23694779	0.7148594
A_55_P2150	406.3	Detected	677.6	Detected	443	Detected	491.7	Detected	Cpne7	1.210189515	1.09032734	0.72564935	0.653778
A_55_P2301	342.1	Detected	282.3	Detected	420.6	Detected	414	Detected	C78653	1.210172464	1.22946507	1.46652497	1.4899044
A_55_P2088	53879.7	Detected	58661.2	Detected	60827.1	Detected	65203.4	Detected	Hcn2	1.210166352	1.12894281	1.11152516	1.0369222
A_55_P1962	1832.4	Detected	2437.9	Detected	1814.3	Detected	2217.5	Detected	Ccnt1	1.210161537	0.99012224	0.90959432	0.7442061
A_55_P2058	626.3	Detected	623.3	Detected	515.9	Detected	757.9	Detected	Mast3	1.210122944	0.82372665	1.21594738	0.8276913
A_52_P4484	944.7	Detected	1046.2	Detected	691.6	Detected	1143.2	Detected	BC004004	1.210119615	0.73208426	1.0927165	0.6610591
A_55_P2091	6599.3	Detected	5885.9	Detected	11273.4	Detected	7985.5	Detected	Gpr137	1.210052581	1.70827209	1.3567169	1.9153231
A_55_P2025	51410.8	Detected	82809.2	Detected	51234.7	Detected	62200.1	Detected	Lsm6	1.209864464	0.99657465	0.75112548	0.6187078
A_55_P1981	23069.7	Detected	24633.7	Detected	24969	Detected	27910.7	Detected	Ap1b1	1.209842347	1.08232877	1.13302914	1.0136114
A_55_P2157	24609	Detected	31630.5	Detected	35029	Detected	29772.5	Detected	Phb2	1.20982161	1.42342233	0.94125923	1.1074438
A_52_P8147	277.4	Detected	331.6	Detected	264.5	Detected	335.6	Detected	Ttc26	1.209805335	0.95349676	1.01206273	0.7976478
A_52_P6814	440.5	Detected	355.4	Detected	346.6	Detected	532.9	Detected	Stx17	1.209761635	0.78683314	1.49943725	0.9752392
A_52_P5957	26909.5	Detected	26403.1	Detected	37536.6	Detected	32553.5	Detected	Tmbim6	1.209740055	1.39492001	1.23294234	1.421674
A_52_P1034	227.5	Detected	269.2	Detected	260.8	Detected	275.2	Detected	Elf1	1.20967033	1.14637363	1.02228826	0.9687964
A_55_P2408	1377.8	Detected	1509.1	Detected	1219.1	Detected	1666.3	Detected	Arntl	1.209391784	0.88481637	1.10416805	0.8078325
A_52_P4766	32	Detected	23.1	Detected	3.4	Not Detect	38.7	Not Detect	Pogk	1.209375	0.10625	1.67532468	0.1471861
A_55_P2011	109.9	Detected	123.3	Detected	103.6	Detected	132.9	Detected	Gm1604A	1.209281165	0.94267516	1.07785888	0.8402271
A_52_P1389	333.6	Detected	201	Detected	250.5	Detected	403.4	Detected	Trpm4	1.209232614	0.75089928	2.00696517	1.2462687
A_55_P1995	2530.7	Detected	2166.4	Detected	2586.6	Detected	3060.2	Detected	Cnppd1	1.209230648	1.02208875	1.41257386	1.1939623
A_55_P2169	82.7	Detected	80	Detected	94.5	Detected	100	Detected	Tenm4	1.209189843	1.1426844	1.25	1.18125
A_55_P1962	2959.2	Detected	3265.5	Detected	2743.7	Detected	3577.5	Detected	Ccar1	1.208941606	0.92717626	1.09554433	0.8402082
A_55_P1976	3632.6	Detected	3294.2	Detected	4849.7	Detected	4391.6	Detected	Fads3	1.208941254	1.33504928	1.33313096	1.4721936
A_55_P2171	468.3	Detected	339.3	Detected	500.8	Detected	566.1	Detected	Sec22c	1.208840487	1.06939996	1.66843501	1.47598
A_55_P2250	242.5	Detected	258.8	Detected	168.5	Detected	293.1	Detected	Nbea	1.208659794	0.69484536	1.13253478	0.6510819
A_55_P2161	16.3	Detected	17.6	Not Detect	12	Not Detect	19.7	Not Detect	Ptchd2	1.208588957	0.73619632	1.11931818	0.6818182
A_51_P1569	676	Detected	520	Detected	584.7	Detected	817	Detected	Arid4a	1.208579882	0.86494083	1.57115385	1.1244231
A_55_P2039	177500.5	Detected	196470.6	Detected	174791	Detected	214508.6	Detected	Cla1	1.208495751	0.98473525	1.09181017	0.8896547
A_52_P3996	1890.4	Detected	1845.5	Detected	2894.6	Detected	2284.4	Detected	Tprkb	1.208421498	1.53121033	1.23782173	1.5684638
A_55_P2168	271.1	Detected	273	Detected	319.2	Detected	327.6	Detected	Khk	1.208410181	1.1774253	1.2	1.1692308
A_55_P2428	14.4	Detected	15.4	Not Detect	14.5	Not Detect	17.4	Not Detect	Retn	1.208333333	1.00694444	1.12987013	0.9415584
A_55_P2003	82.1	Detected	111.6	Detected	97.3	Detected	99.2	Detected	D830025C05Rik	1.208282582	1.18514007	0.88888889	0.8718638
A_66_P1199	4196.1	Detected	3850	Detected	4224.1	Detected	5069.4	Detected	Atg7	1.208121827	1.00667286	1.31672727	1.0971688
A_55_P1995	61408.8	Detected	73386	Detected	56256.5	Detected	74184.9	Detected	Pomp	1.208049986	0.91609834	1.01088627	0.7665835
A_52_P4125	1968.3	Detected	2264.9	Detected	1911.3	Detected	2377.8	Detected	Dcaf15	1.208047554	0.971041	1.04984768	0.8438783
A_55_P2055	5668.7	Detected	6706.5	Detected	6864.9	Detected	6847.7	Detected	Sdf4	1.207984194	1.2110184	1.0210542	1.0236189

A_52_P1088	326.1	Detected	110.9	Detected	200.5	Detected	393.9	Detected	Clip3	1.207911684	0.61484207	3.55184851	1.8079351
A_55_P2037	324314.8	Detected	400033.8	Detected	380930.8	Detected	391737.3	Detected	Gapdh	1.207892147	1.17457113	0.9792605	0.9522465
A_55_P1986	18273.4	Detected	14566.8	Detected	17408.4	Detected	22070.1	Detected	Enoph1	1.207771953	0.95266343	1.51509597	1.1950737
A_52_P2896	18862.7	Detected	19509.7	Detected	23934.3	Detected	22780.6	Detected	Ssbp1	1.207706214	1.26886925	1.16765506	1.2267898
A_55_P2083	7021.8	Detected	8358.6	Detected	6996.8	Detected	8480.1	Detected	Mtus2	1.207681791	0.99643966	1.01453593	0.837078
A_65_P0877	60.2	Detected	15.3	Detected	51.4	Detected	72.7	Detected	Zfp937	1.207641196	0.8538206	4.75163399	3.3594771
A_55_P2102	527.9	Detected	522.4	Detected	480.1	Detected	637.5	Detected	Dzip1	1.207615079	0.90945255	1.22032925	0.9190276
A_55_P1953	28550.6	Detected	30714.1	Detected	32120.1	Detected	34476.9	Detected	Yap1	1.20757182	1.12502364	1.12251051	1.045777
A_55_P1965	21.2	Detected	47.9	Detected	8.1	Not Detect	25.6	Not Detect	Xlr3b	1.20754717	0.38207547	0.53444676	0.1691023
A_55_P2175	19480.4	Detected	24406.6	Detected	21461.9	Detected	23519.8	Detected	Csde1	1.207357138	1.10171762	0.96366557	0.8793482
A_52_P2902	112.4	Detected	77.2	Detected	91.4	Detected	135.7	Detected	Zfp182	1.207295374	0.81316726	1.75777202	1.1839378
A_55_P2039	35.7	Detected	30.2	Detected	43.5	Detected	43.1	Not Detect	Dio1	1.207282913	1.21848739	1.42715232	1.4403974
A_52_P1881	2020.1	Detected	2057.2	Detected	2055.2	Detected	2438.8	Detected	Gosr2	1.207266967	1.01737538	1.18549485	0.9990278
A_51_P3692	850.2	Detected	962.4	Detected	1298.5	Detected	1026.4	Detected	4632434111Rik	1.207245354	1.5272877	1.06650042	1.3492311
A_51_P1100	1873.2	Detected	1677.2	Detected	2006.3	Detected	2261.4	Detected	Pik3r4	1.207238949	1.07105488	1.34831863	1.1962199
A_66_P1245	63616.4	Detected	78016.9	Detected	82962.5	Detected	76793.8	Detected	Rps15	1.207138411	1.30410555	0.98432263	1.0633914
A_55_P1997	1185.1	Detected	1144.8	Detected	935.8	Detected	1430.5	Detected	Nlrx1	1.207071133	0.78963801	1.24956324	0.8174354
A_55_P1985	672.3	Detected	685.6	Detected	468.2	Detected	811.5	Detected	Pard3	1.207050424	0.69641529	1.18363477	0.6829055
A_55_P2089	3714.9	Detected	4168.8	Detected	4430.4	Detected	4483.7	Detected	Eif2d	1.206950389	1.19260276	1.07553732	1.0627519
A_55_P2069	213.1	Detected	162	Detected	184.9	Detected	257.2	Detected	1110017D15Rik	1.206945096	0.86766776	1.58765432	1.141358
A_55_P2174	214.1	Detected	252.5	Detected	177.8	Detected	258.4	Detected	Stam2	1.206912658	0.83045306	1.02336634	0.7041584
A_51_P1227	45308.3	Detected	41847.3	Detected	47679.8	Detected	54683	Detected	Grpel1	1.206909109	1.0523414	1.30672708	1.1393758
A_55_P2394	8.7	Not Detect	20.7	Detected	17.4	Not Detect	10.5	Not Detect	9330198N18Rik	1.206896552	2	0.50724638	0.8405797
A_51_P3119	616.4	Detected	629.6	Detected	708.2	Detected	743.9	Detected	Elp6	1.206846204	1.14892927	1.18154384	1.1248412
A_55_P2098	1062.8	Detected	1015	Detected	932.2	Detected	1282.6	Detected	Cfhr2	1.206812194	0.87711705	1.26364532	0.9184236
A_52_P3153	1472.5	Detected	1605	Detected	1773.9	Detected	1777	Detected	Cyb5r1	1.206791171	1.20468591	1.10716511	1.1052336
A_55_P1994	48141.3	Detected	62050.5	Detected	50746	Detected	58095.9	Detected	Hmgb2	1.206778795	1.05410531	0.93626804	0.8178177
A_55_P2014	3949.5	Detected	3907.3	Detected	4621.6	Detected	4766	Detected	Ercc2	1.20673503	1.17017344	1.21976813	1.1828117
A_55_P2042	1309.5	Detected	1301.9	Detected	996.2	Detected	1580.2	Detected	Trim37	1.206720122	0.76074838	1.2137645	0.7651893
A_55_P2016	8574.1	Detected	10993.5	Detected	9088.9	Detected	10346	Detected	Ddx39b	1.206657258	1.06004129	0.94110156	0.8267522
A_55_P2074	684.9	Detected	657.5	Detected	662.3	Detected	826.4	Detected	Zbtb24	1.206599504	0.96700248	1.25688213	1.0073004
A_52_P2514	350	Detected	304.6	Detected	444.1	Detected	422.3	Detected	Trappc8	1.206571429	1.26885714	1.3864084	1.4579777
A_55_P2016	1570.7	Detected	1357	Detected	1812.5	Detected	1895.1	Detected	Aaed1	1.206532119	1.1539441	1.39653648	1.3356669
A_55_P2037	2030.7	Detected	1688.2	Detected	1870.3	Detected	2450	Detected	Pdxdc1	1.206480524	0.92101246	1.45124985	1.1078664
A_52_P6058	33362.8	Detected	26176.5	Detected	31568.8	Detected	40250.8	Detected	Pthr1	1.206457492	0.94622753	1.53766928	1.2059977
A_55_P2368	6309.3	Detected	6628.1	Detected	3523.3	Detected	7611.8	Detected	2610319H10Rik	1.206441285	0.55842962	1.14841357	0.5315701
A_55_P2016	9286.3	Detected	13685.7	Detected	8272.9	Detected	11202.9	Detected	Ppid	1.206390058	0.8908715	0.81858436	0.6044923
A_51_P2339	24396.8	Detected	16972.2	Detected	23351.5	Detected	29431	Detected	Tbc1d10b	1.206346734	0.95715422	1.73407101	1.3758676
A_52_P4309	2113.1	Detected	2096.2	Detected	2212.7	Detected	2549.1	Detected	Dcun1d1	1.206331929	1.04713454	1.21605763	1.0555768
A_51_P3294	13468.3	Detected	18425.2	Detected	17009.2	Detected	16246.2	Detected	Bsg	1.206254687	1.26290623	0.88173805	0.9231487

A_55_P1954	342.8	Detected	243.8	Detected	273	Detected	413.5	Detected	Ptdss1	1.206242707	0.79638273	1.69606235	1.1197703
A_51_P5111	6050.3	Detected	6588.2	Detected	8318.6	Detected	7298.1	Detected	Triap1	1.206237707	1.37490703	1.10775326	1.2626514
A_51_P4048	15561	Detected	15462.1	Detected	20461.5	Detected	18770	Detected	Ccdc58	1.20622068	1.31492192	1.21393601	1.3233325
A_52_P3856	1812.2	Detected	4167.4	Detected	1504.7	Detected	2185.7	Detected	Rnpc3	1.206103079	0.83031674	0.52447569	0.3610645
A_51_P4276	17948.9	Detected	8720	Detected	18770.1	Detected	21648	Detected	Cpt1a	1.206090624	1.04575211	2.48256881	2.1525344
A_55_P2074	16.5	Detected	15.8	Detected	10.1	Not Detect	19.9	Not Detect	Sym	1.206060606	0.61212121	1.25949367	0.6392405
A_51_P3142	24133.3	Detected	29895.6	Detected	29871.3	Detected	29105.8	Detected	Ssr2	1.206043102	1.23776276	0.9735814	0.9991872
A_55_P1988	160494.5	Detected	171499	Detected	174210.4	Detected	193554.2	Detected	Gng5	1.205986498	1.08546025	1.1286025	1.01581
A_52_P4078	3398	Detected	4029.3	Detected	2887.8	Detected	4097.9	Detected	Dda1	1.205974102	0.84985285	1.01702529	0.7167002
A_55_P2100	1733.7	Detected	1720.1	Detected	1251.9	Detected	2090.7	Detected	Usp48	1.205917979	0.72209725	1.21545259	0.7278065
A_51_P2956	82211.4	Detected	108336.3	Detected	105250.4	Detected	99132.3	Detected	Cyc1	1.20582182	1.28024094	0.91504233	0.9715155
A_55_P2153	125.4	Detected	81.7	Detected	99	Detected	151.2	Detected	Ski	1.205741627	0.78947368	1.85067319	1.2117503
A_55_P2142	3436.1	Detected	3907.7	Detected	3473.2	Detected	4142.9	Detected	Mark3	1.205698321	1.01079712	1.06018886	0.8888093
A_51_P4387	4024.4	Detected	4924.3	Detected	4537.2	Detected	4852.2	Detected	Atpaf2	1.205695259	1.12742272	0.98535833	0.9213898
A_55_P1979	98.7	Detected	116.1	Detected	88.3	Detected	119	Detected	Srp54b	1.205673759	0.89463019	1.02497847	0.7605512
A_55_P2058	487.8	Detected	354.7	Detected	495.9	Detected	588.1	Detected	4833420G17Rik	1.205617056	1.01660517	1.65802086	1.3980829
A_55_P2097	304.5	Detected	288.8	Detected	306.1	Detected	367.1	Detected	Frem2	1.205582923	1.00525452	1.27112188	1.059903
A_55_P1960	36.5	Detected	39.9	Detected	28.9	Detected	44	Not Detect	Fer116	1.205479452	0.79178082	1.10275689	0.7243108
A_66_P1290	29387.3	Detected	25702.5	Detected	34860.5	Detected	35419.8	Detected	Taf10	1.205275748	1.18624372	1.37806828	1.3563078
A_55_P2108	2377.7	Detected	2021	Detected	2352.3	Detected	2865.5	Detected	Hps5	1.205156243	0.98931741	1.41786244	1.1639287
A_66_P1101	3418.9	Detected	3044.7	Detected	3037.5	Detected	4120.3	Detected	Myo18b	1.205153704	0.88844365	1.35326962	0.9976352
A_55_P2085	128.7	Detected	128	Detected	117.8	Detected	155.1	Detected	2010007E15Rik	1.205128205	0.91530692	1.21171875	0.9203125
A_55_P2160	160.4	Detected	204.1	Detected	122	Detected	193.3	Detected	Ntpcr	1.205112219	0.7605985	0.94708476	0.5977462
A_51_P4368	8105.3	Detected	7586.6	Detected	9219.4	Detected	9767.7	Detected	Sertad1	1.205100366	1.13745327	1.28749374	1.2152216
A_55_P2124	458.4	Detected	414	Detected	496.3	Detected	552.4	Detected	Zfp444	1.205061082	1.08267888	1.33429952	1.1987923
A_51_P2024	8334.5	Detected	8820	Detected	10676.8	Detected	10043.3	Detected	Sar1a	1.205027296	1.28103665	1.13869615	1.2105215
A_55_P2040	141	Detected	166.3	Detected	167.7	Detected	169.9	Detected	Pabpc5	1.204964539	1.1893617	1.02164762	1.0084185
A_55_P1976	19913.3	Detected	24173.1	Detected	21260.8	Detected	23993.7	Detected	Ect2	1.204908277	1.06766834	0.99257853	0.8795231
A_51_P4122	452.9	Detected	522	Detected	202	Detected	545.7	Detected	Tbc1d16	1.204901744	0.44601457	1.0454023	0.3869732
A_55_P2179	114.7	Detected	121.8	Detected	141.3	Detected	138.2	Detected	Slc18a3	1.204882302	1.23190933	1.13464696	1.1600985
A_55_P2368	65.9	Detected	77.5	Detected	76.3	Detected	79.4	Detected	2010320M18Rik	1.204855842	1.15781487	1.02451613	0.9845161
A_55_P2186	67.4	Detected	53.6	Detected	67.7	Detected	81.2	Detected	Chrna9	1.204747774	1.00445104	1.51492537	1.2630597
A_55_P2118	68.9	Detected	57.5	Detected	60.4	Detected	83	Detected	St6galnac1	1.204644412	0.8766328	1.44347826	1.0504348
A_55_P2000	6848	Detected	4317	Detected	7611.9	Detected	8248.4	Detected	E2f8	1.204497664	1.11155082	1.91067871	1.7632384
A_55_P2008	17378.4	Detected	20054.1	Detected	18466.5	Detected	20932.1	Detected	Qdpr	1.204489481	1.06261221	1.04378157	0.9208341
A_51_P5063	45.5	Detected	43	Detected	37.7	Detected	54.8	Detected	Hrg	1.204395604	0.82857143	1.2744186	0.8767442
A_55_P2173	36227.6	Detected	34325.2	Detected	33213.9	Detected	43631.5	Detected	Samd1	1.204371805	0.91681204	1.27112151	0.9676244
A_55_P2120	1613.8	Detected	1871.3	Detected	1693.9	Detected	1943.6	Detected	Snx11	1.204362375	1.0496344	1.03863624	0.9051996
A_55_P2057	169067.2	Detected	188333	Detected	216941.4	Detected	203604.5	Detected	Gm4963	1.204281493	1.28316669	1.08108775	1.1519033
A_55_P1994	40407.6	Detected	52721.9	Detected	41318.3	Detected	48661.8	Detected	Gar1	1.204273454	1.02253784	0.92299026	0.7837028

A_51_P5188	784	Detected	741.9	Detected	724.8	Detected	944.1	Detected	Ccin	1.204209184	0.9244898	1.27254347	0.9769511
A_65_P0454	97.5	Detected	95	Detected	93.3	Detected	117.4	Detected	Zfp207	1.204102564	0.95692308	1.23578947	0.9821053
A_52_P5204	24840.2	Detected	32332.4	Detected	31463.2	Detected	29908.6	Detected	Serp1	1.204040225	1.26662426	0.92503495	0.9731167
A_55_P1965	64419.4	Detected	56122.7	Detected	75979.6	Detected	77561.4	Detected	Ndufb4	1.204006867	1.17945215	1.38199695	1.3538123
A_55_P2078	60.3	Detected	71.6	Detected	36.3	Detected	72.6	Detected	Morc4	1.2039801	0.60199005	1.01396648	0.5069832
A_51_P5137	7626.1	Detected	8371.1	Detected	7006.4	Detected	9181.5	Detected	Ctcf	1.203957462	0.91873959	1.09680926	0.8369748
A_55_P1965	6225.5	Detected	6969.8	Detected	6329	Detected	7495.2	Detected	Orc3	1.20395149	1.01662517	1.07538236	0.9080605
A_55_P2028	26	Detected	12.6	Not Detect	25.3	Detected	31.3	Not Detect	Gm21944	1.203846154	0.97307692	2.48412698	2.0079365
A_55_P2023	78854.1	Detected	79002.6	Detected	57292.9	Detected	94927.1	Detected	Arpc1b	1.203832141	0.72656843	1.20156932	0.7252027
A_55_P2366	546.2	Detected	450.1	Detected	510.9	Detected	657.5	Detected	Amn1	1.203771512	0.93537166	1.46078649	1.1350811
A_51_P1572	6713.4	Detected	7608.7	Detected	7791.9	Detected	8081.3	Detected	Hiat1	1.203756666	1.16064885	1.06211311	1.0240777
A_55_P2073	149.7	Detected	147.8	Detected	153.7	Detected	180.2	Detected	Gm438	1.203740815	1.02672011	1.21921516	1.0399188
A_55_P2076	210.1	Detected	231	Detected	201.3	Detected	252.9	Detected	Zfp850	1.203712518	0.95811518	1.09480519	0.8714286
A_51_P3203	1365.2	Detected	1622	Detected	906.2	Detected	1643.2	Detected	Plod1	1.203633167	0.66378553	1.01307028	0.558693
A_66_P1061	146185.8	Detected	170102.3	Detected	150900.4	Detected	175953.1	Detected	Eef2	1.203626481	1.03225074	1.03439577	0.8871156
A_55_P2046	16.7	Detected	16.4	Not Detect	37.7	Detected	20.1	Not Detect	Dio1	1.203592814	2.25748503	1.22560976	2.2987805
A_66_P1096	3021.9	Detected	2436.1	Detected	3116.5	Detected	3637.1	Detected	Sh2b3	1.203580529	1.03130481	1.49300111	1.2792989
A_66_P1063	7431.3	Detected	8576.7	Detected	7495.7	Detected	8943.8	Detected	Itgb1bp1	1.203531011	1.00866605	1.04280201	0.8739608
A_52_P3720	96.8	Detected	106.7	Detected	59.8	Detected	116.5	Detected	Zfp9	1.203512397	0.6177686	1.0918463	0.5604499
A_65_P1018	10560.2	Detected	12177.4	Detected	10785.9	Detected	12709.1	Detected	Rad23b	1.203490464	1.0213727	1.04366285	0.8857309
A_55_P2138	326.8	Detected	256.6	Detected	351.8	Detected	393.3	Detected	Gm1698	1.203488372	1.07649939	1.53273578	1.3710055
A_52_P6743	14678.2	Detected	13715.5	Detected	15013.6	Detected	17664.9	Detected	Mocs2	1.203478628	1.02285021	1.28795159	1.0946447
A_51_P4017	3408.1	Detected	3390.5	Detected	4134.7	Detected	4101.4	Detected	Vwa9	1.203427129	1.21319797	1.20967409	1.2194956
A_55_P1960	53286.4	Detected	61113.6	Detected	63902.9	Detected	64125	Detected	Txn2	1.203402744	1.1992347	1.04927545	1.0456412
A_52_P2690	8780.3	Detected	8354.5	Detected	8682.6	Detected	10565.7	Detected	Nek9	1.203341571	0.98887282	1.26467173	1.0392722
A_55_P2035	8871	Detected	9320.1	Detected	9224.8	Detected	10674.8	Detected	Hsf1	1.203336715	1.03988276	1.14535252	0.9897748
A_51_P1549	13327.1	Detected	10946.3	Detected	15897	Detected	16035.9	Detected	Stard3	1.203255022	1.19283265	1.46496076	1.4522715
A_55_P2102	6931.1	Detected	5237.4	Detected	6256.3	Detected	8339.7	Detected	Lztr1	1.203228925	0.90264172	1.59233589	1.1945431
A_51_P3537	1950.8	Detected	1547	Detected	2023.6	Detected	2347	Detected	G6pd2	1.203096166	1.03731802	1.51712993	1.3080802
A_55_P2016	1816.2	Detected	1705.4	Detected	1239.8	Detected	2184.9	Detected	Msl1	1.203006277	0.68263407	1.28116571	0.7269849
A_55_P2048	27.1	Detected	33.2	Detected	32.5	Detected	32.6	Not Detect	Spock1	1.20295203	1.19926199	0.98192771	0.9789157
A_55_P1989	103	Detected	141.7	Detected	73.9	Detected	123.9	Detected	Purg	1.202912621	0.71747573	0.8743825	0.5215243
A_55_P2061	186.3	Detected	237.3	Detected	203	Detected	224.1	Detected	Rnpc3	1.202898551	1.08964037	0.94437421	0.8554572
A_55_P1953	7639.7	Detected	7252.6	Detected	7393.3	Detected	9189.4	Detected	Nsmaf	1.202848279	0.96774742	1.26704906	1.0193999
A_55_P2061	28.1	Detected	19.4	Detected	12.3	Not Detect	33.8	Not Detect	Wfikkn2	1.202846975	0.43772242	1.74226804	0.6340206
A_55_P2293	1266.9	Detected	1015.7	Detected	1235.9	Detected	1523.8	Detected	Slc2a4rg-ps	1.202778436	0.97553082	1.50024614	1.2167963
A_55_P2110	13349.6	Detected	13709	Detected	16090.2	Detected	16055.5	Detected	Rnf7	1.202695212	1.20529454	1.17116493	1.1736961
A_55_P1980	83.9	Detected	76.1	Detected	75.1	Detected	100.9	Detected	Pcmt1	1.202622169	0.89511323	1.32588699	0.9868594
A_52_P4293	261.6	Detected	894.8	Detected	79.7	Detected	314.6	Detected	Ccdc69	1.202599388	0.30466361	0.35158695	0.0890702
A_55_P2001	31.1	Detected	27.6	Detected	26.1	Detected	37.4	Not Detect	Mpz	1.202572347	0.8392283	1.35507246	0.9456522

A_55_P2096	4310.3	Detected	3929.8	Detected	4169.2	Detected	5183.4	Detected	Kdm1b	1.202561307	0.96726446	1.31899842	1.0609191	
A_55_P2365	15.8	Detected	11.8	Not Detect	9.4	Not Detect	19	Not Detect	Frs3os	1.202531646	0.59493671	1.61016949	0.7966102	
A_55_P1981	23.7	Detected	25.1	Detected	21.1	Detected	28.5	Not Detect	Vmn2r88	1.202531646	0.89029536	1.13545817	0.8406375	
A_51_P4968	21410.7	Detected	19672.4	Detected	23786.7	Detected	25745.3	Detected	Capza2	1.202450177	1.11097255	1.30870153	1.2091407	
A_66_P1247	572.4	Detected	591.4	Detected	486.1	Detected	688.2	Detected	LOC101056428	1.20230608	0.84923131	1.1636794	0.8219479	
A_55_P1972	8555.1	Detected	7109.1	Detected	10741.9	Detected	10284.4	Detected	Gjb4	1.202136737	1.25561361	1.44665288	1.511007	
A_55_P1999	26426.7	Detected	23064	Detected	27532.6	Detected	31768.3	Detected	Nudt4	1.202128908	1.04184783	1.37739768	1.1937478	
A_55_P2056	113.8	Detected	142.5	Detected	80.9	Detected	136.8	Detected	Cmtm2a	1.202108963	0.71089631	0.96	0.5677193	
A_55_P2144	211.3	Detected	186.9	Detected	183.9	Detected	254	Detected	Pcdh11x	1.202082347	0.87032655	1.35901552	0.9839486	
A_55_P2145	427.7	Detected	490	Detected	291.6	Detected	514.1	Detected	Gbp5	1.202010755	0.6817863	1.04918367	0.595102	
A_51_P1028	90.6	Detected	83.6	Detected	105.5	Detected	108.9	Detected	Muc5ac	1.201986755	1.16445916	1.30263158	1.2619617	
A_55_P2045	899.7	Detected	750.7	Detected	840.4	Detected	1081.4	Detected	Hipk4	1.201956208	0.93408914	1.44052218	1.1194885	
A_52_P6550	3336.5	Detected	2574.8	Detected	4488.5	Detected	4010.1	Detected	Tbc1d17	1.201888206	1.34527199	1.55744135	1.7432422	
A_55_P2180	63.9	Detected	65.3	Detected	84.3	Detected	76.8	Detected	Lrrc28	1.201877934	1.31924883	1.17611026	1.2909648	
A_55_P2074	5183.7	Detected	5413.9	Detected	4777.4	Detected	6230	Detected	Cdkn2c	1.201844243	0.92161969	1.15074161	0.8824323	
A_52_P4281	4791.1	Detected	4687.9	Detected	4784.3	Detected	5758.1	Detected	Atr	1.201832565	0.9985807	1.22828985	1.0205636	
A_52_P5182	49.1	Detected	52	Detected	57.2	Detected	59	Detected	Helz	1.201629328	1.16496945	1.13461538	1.1	
A_55_P2051	3546.2	Detected	3261.6	Detected	4159.8	Detected	4261	Detected	Gfm2	1.201567875	1.17303029	1.30641403	1.2753863	
A_51_P1156	6377	Detected	5748.8	Detected	6229.3	Detected	7662.2	Detected	Iqcd	1.201536773	0.97683864	1.33283468	1.0835827	
A_52_P6344	4084.4	Detected	3495.8	Detected	4127.9	Detected	4907.4	Detected	Hs1bp3	1.201498384	1.01065028	1.40379884	1.180817	
A_52_P1411	4509.1	Detected	4621.1	Detected	5468.1	Detected	5417.5	Detected	Hnrnpf	1.201459271	1.21268102	1.17233992	1.1832897	
A_55_P2079	221.9	Detected	235.8	Detected	225.1	Detected	266.6	Detected	Fam124b	1.201442091	1.01442091	1.13061917	0.9546226	
A_55_P2094	27.8	Detected	30.1	Detected	23.7	Detected	33.4	Not Detect	Gm14135	1.201438849	0.85251799	1.10963455	0.7873754	
A_55_P2111	57962.4	Detected	61910.7	Detected	76549.4	Detected	69637.9	Detected		15-Sep	1.201432308	1.3206734	1.12481203	1.2364486
A_55_P1970	140.5	Detected	198	Detected	117.7	Detected	168.8	Detected	Sh3yl1	1.201423488	0.83772242	0.85252525	0.5944444	
A_52_P3013	7924.4	Detected	8931.3	Detected	8925.6	Detected	9520.2	Detected	Aaas	1.201378022	1.12634395	1.06593665	0.9993618	
A_55_P1971	2122.6	Detected	2235.5	Detected	1617.6	Detected	2550	Detected	Kif16b	1.201356827	0.76208424	1.14068441	0.7235965	
A_55_P2288	1246.6	Detected	1499	Detected	880.2	Detected	1497.6	Detected	Ppp2ca	1.201347666	0.70608054	0.99906604	0.5871915	
A_55_P2087	184.8	Detected	169.4	Detected	165.8	Detected	222	Detected	Gm9963	1.201298701	0.89718615	1.31050767	0.9787485	
A_55_P2223	95.4	Detected	56	Detected	144.9	Detected	114.6	Detected	2700054A10Rik	1.201257862	1.51886792	2.04642857	2.5875	
A_51_P2175	61205.3	Detected	54520.2	Detected	86757.6	Detected	73521	Detected	Actr3	1.201219502	1.41748509	1.34850936	1.5912928	
A_55_P1960	35106.1	Detected	37762.7	Detected	35876.7	Detected	42168.4	Detected	Tenm4	1.201170167	1.0219506	1.11666803	0.9500565	
A_66_P1343	17.9	Detected	26	Detected	14.9	Not Detect	21.5	Not Detect	Pde6c	1.201117318	0.83240223	0.82692308	0.5730769	
A_55_P2115	2650.6	Detected	2702	Detected	2143	Detected	3183.6	Detected	Sms	1.201086546	0.80849619	1.17823834	0.7931162	
A_55_P2105	6739	Detected	6991.9	Detected	8209.4	Detected	8093.7	Detected	Hscb	1.201023891	1.21819261	1.15758235	1.1741301	
A_55_P2124	72491.6	Detected	62637.5	Detected	84179.2	Detected	87053.5	Detected	Capns1	1.200877067	1.16122696	1.38979844	1.3439106	
A_55_P1979	49848.1	Detected	54920.3	Detected	43641.7	Detected	59859.7	Detected	Rab1	1.200842158	0.87549375	1.0899376	0.794637	
A_51_P2846	24.4	Detected	24.3	Detected	20.3	Detected	29.3	Not Detect	Cd74	1.200819672	0.83196721	1.20576132	0.8353909	
A_52_P2888	28131.8	Detected	26474.9	Detected	23720.3	Detected	33777	Detected	Chmp4b	1.200669705	0.84318458	1.27581218	0.8959543	
A_55_P1996	45661.8	Detected	47712.8	Detected	44220.3	Detected	54823.5	Detected	Polr2j	1.20064255	0.96843094	1.14903129	0.9268016	

A_51_P3650	1055.8	Detected	1017.4	Detected	1199.3	Detected	1267.6	Detected	Tns1	1.200606175	1.13591589	1.24592098	1.1787891
A_55_P2235	156.6	Detected	142.2	Detected	100.2	Detected	188	Detected	Fam222b	1.200510856	0.63984674	1.32208158	0.7046414
A_51_P2211	2848.8	Detected	2768.9	Detected	3539.7	Detected	3419.9	Detected	Vwa8	1.200470373	1.24252317	1.23511142	1.2783777
A_52_P5885	13880.7	Detected	17675.3	Detected	14514.1	Detected	16662.6	Detected	Ube2d3	1.200414965	1.0456317	0.94270536	0.8211516
A_55_P2124	450.6	Detected	448.2	Detected	462.5	Detected	540.9	Detected	Brdt	1.200399467	1.02640923	1.20682731	1.0319054
A_51_P2204	30198.3	Detected	24659.7	Detected	31924.4	Detected	36250	Detected	Rnpepl1	1.200398698	1.05715885	1.47000977	1.2945981
A_55_P1953	255.5	Detected	235.5	Detected	264.9	Detected	306.7	Detected	Dcdc2b	1.200391389	1.03679061	1.30233546	1.1248408
A_52_P5528	39712.3	Detected	43509	Detected	54564.1	Detected	47670.3	Detected	Ndufa4	1.200391315	1.37398489	1.09564228	1.2540877
A_55_P1977	13576.9	Detected	11770.4	Detected	12814.5	Detected	16297.2	Detected	Epb4.1	1.20036238	0.9438458	1.38459186	1.0887056
A_55_P2106	247.1	Detected	186.6	Detected	347.1	Detected	296.6	Detected	Zfp114	1.200323756	1.40469446	1.58949625	1.8601286
A_51_P1512	4632.2	Detected	5269.5	Detected	4891.4	Detected	5559.9	Detected	Eif4b	1.200272009	1.05595613	1.05510959	0.9282475
A_51_P2348	10943.8	Detected	8474.3	Detected	9784.5	Detected	13132.8	Detected	Strn4	1.20002193	0.89406787	1.54972092	1.1546086
A_52_P6411	14	Detected	9.6	Not Detect	25.6	Detected	16.8	Not Detect	Sox14	1.2	1.82857143	1.75	2.6666667
A_55_P1957	12	Not Detect	17.7	Detected	3.5	Not Detect	14.4	Not Detect	Gm2927	1.2	0.29166667	0.81355932	0.1977401
A_55_P1960	265568.1	Detected	299315.8	Detected	255011.9	Detected	318669.2	Detected	Gm20764	1.199952856	0.9602505	1.0646588	0.8519828
A_51_P1368	389.2	Detected	195.7	Detected	204.7	Detected	467	Detected	Tanc1	1.199897225	0.52595067	2.38630557	1.0459888
A_55_P2056	1325.4	Detected	1340	Detected	1411.3	Detected	1590.3	Detected	Stk11ip	1.199864192	1.06481062	1.18679104	1.053209
A_55_P2277	1994.1	Detected	2131.4	Detected	1691.6	Detected	2392.6	Detected	E430010N07Rik	1.199839527	0.84830249	1.12254856	0.7936568
A_52_P2174	347.8	Detected	407.2	Detected	457.5	Detected	417.3	Detected	Htra3	1.199827487	1.31541116	1.02480354	1.1235265
A_55_P2140	24228	Detected	24664.4	Detected	29441.2	Detected	29069.1	Detected	Tufm	1.199814264	1.21517253	1.17858533	1.1936719
A_51_P3522	27422	Detected	25747.3	Detected	31759.6	Detected	32900.9	Detected	Sirt7	1.199799431	1.15817956	1.27783884	1.2335119
A_55_P2162	1141.4	Detected	1035.2	Detected	1174.4	Detected	1369.4	Detected	Ing4	1.199754687	1.02891186	1.32283617	1.1344668
A_51_P3848	285077.1	Detected	322446.9	Detected	279094.3	Detected	342008.1	Detected	Mdh2	1.19970387	0.9790134	1.06066487	0.8655512
A_55_P2072	268.9	Detected	308.7	Detected	180.3	Detected	322.6	Detected	Zfp142	1.199702492	0.67050948	1.04502753	0.5840622
A_51_P5126	2283.1	Detected	5695.8	Detected	1749.7	Detected	2739	Detected	Ttll5	1.199684639	0.76637029	0.48088065	0.3071913
A_55_P1996	5818.7	Detected	7828.4	Detected	5505.5	Detected	6979.6	Detected	Prmt10	1.199511918	0.94617354	0.89157427	0.7032727
A_55_P1973	11623	Detected	15433.7	Detected	15736	Detected	13941	Detected	Htra2	1.19943216	1.35386733	0.90328308	1.019587
A_55_P1993	149987.9	Detected	155432.6	Detected	117678.4	Detected	179897.8	Detected	Ap1s1	1.19941542	0.78458596	1.1574007	0.7571024
A_55_P2043	18479.7	Detected	18727.6	Detected	13578.8	Detected	22164.3	Detected	Luzp1	1.199386354	0.73479548	1.1835099	0.7250689
A_55_P2152	9261.3	Detected	8036.4	Detected	9766.1	Detected	11106.1	Detected	Zwilch	1.199194498	1.05450639	1.38197452	1.2152332
A_55_P2042	11610.4	Detected	10223.3	Detected	16774.4	Detected	13921.9	Detected	Fech	1.199088748	1.44477365	1.36178142	1.6408009
A_51_P4862	2395.1	Detected	1110	Detected	2332.5	Detected	2871.9	Detected	Wnk4	1.199073108	0.9738633	2.5872973	2.1013514
A_55_P2074	20.1	Detected	15.4	Not Detect	8.9	Not Detect	24.1	Not Detect	Psg28	1.199004975	0.44278607	1.56493506	0.5779221
A_51_P3439	296.5	Detected	192.8	Detected	276.1	Detected	355.5	Detected	Prrg4	1.198988196	0.9311973	1.84387967	1.4320539
A_55_P2010	400.1	Detected	433.7	Detected	416.4	Detected	479.7	Detected	Ewsr1	1.198950262	1.04073982	1.1060641	0.9601107
A_55_P2039	464.7	Detected	435.8	Detected	135.8	Detected	557.1	Detected	Pax8	1.19883796	0.29223155	1.27833869	0.3116108
A_51_P3438	563.3	Detected	430.4	Detected	524.6	Detected	675.3	Detected	Tgfbra1	1.198828333	0.93129771	1.56900558	1.2188662
A_55_P1998	24317.3	Detected	22981.9	Detected	27202.3	Detected	29148.4	Detected	Oas1b	1.19866926	1.11863982	1.26831985	1.1836402
A_55_P1987	3763.1	Detected	4396.6	Detected	4192.5	Detected	4510.6	Detected	Gabrr2	1.19863942	1.11410805	1.02592913	0.9535778
A_55_P2012	58.4	Detected	69.3	Detected	44.3	Detected	70	Detected	LOC101056086	1.198630137	0.75856164	1.01010101	0.6392496

A_51_P4365	43.3 Detected	43.6 Detected	39.1 Detected	51.9 Detected	Tmc2	1.198614319	0.90300231	1.19036697	0.896789
A_52_P1454	699.9 Detected	720.3 Detected	565.6 Detected	838.9 Detected	Rictor	1.1985998	0.80811545	1.16465362	0.7852284
A_55_P2085	3583.3 Detected	3427.2 Detected	4483.9 Detected	4294.9 Detected	Lmbr11	1.198587894	1.25133257	1.25318044	1.3083275
A_55_P1967	13050.2 Detected	8188.4 Detected	12170.4 Detected	15640.5 Detected	Adam10	1.19848738	0.93258341	1.91008011	1.4862977
A_55_P2031	461.1 Detected	449 Detected	342.7 Detected	552.6 Detected	Rufy3	1.198438517	0.74322273	1.23073497	0.7632517
A_51_P2766	24.2 Detected	13.2 Not Detect	14.7 Not Detect	29 Not Detect	Vmn2r58	1.198347107	0.60743802	2.1969697	1.1136364
A_55_P2254	642 Detected	605.1 Detected	723.4 Detected	769.3 Detected	AU020094	1.198286604	1.12679128	1.27136011	1.1955049
A_51_P4394	7989.6 Detected	7349.4 Detected	6858.8 Detected	9573.3 Detected	Insig2	1.198220186	0.85846601	1.30259613	0.9332463
A_55_P2071	311.8 Detected	179.5 Detected	300.1 Detected	373.6 Detected	Tmc4	1.198203977	0.96247595	2.08133705	1.6718663
A_51_P3498	7726.7 Detected	9418.5 Detected	9615.1 Detected	9258.1 Detected	Med11	1.198195866	1.24439929	0.98296969	1.0208738
A_55_P2081	855.4 Detected	897.7 Detected	830.8 Detected	1024.9 Detected	Slc28a1	1.198152911	0.97124152	1.14169544	0.9254762
A_52_P5757	15602.7 Detected	16634.4 Detected	18049.8 Detected	18694.2 Detected	Mtfr1	1.198138784	1.15683824	1.12382773	1.0850887
A_51_P3289	16757.7 Detected	12888.8 Detected	13802.9 Detected	20077.9 Detected	Tmem165	1.198129815	0.82367509	1.55777885	1.070922
A_51_P3902	20.7 Detected	25.3 Detected	16.8 Not Detect	24.8 Not Detect	Larp6	1.198067633	0.8115942	0.98023715	0.6640316
A_55_P2042	1984.4 Detected	1765.9 Detected	1799.3 Detected	2377.4 Detected	Sgk2	1.198044749	0.90672243	1.34628235	1.0189139
A_55_P2069	12270.5 Detected	13510.9 Detected	11604.3 Detected	14700.6 Detected	Sqstm1	1.198044089	0.94570718	1.08805483	0.8588843
A_52_P6541	1408.3 Detected	1474 Detected	1300.3 Detected	1687.2 Detected	Dync1li2	1.19804019	0.92331179	1.14464043	0.8821574
A_52_P1093	502.1 Detected	763.7 Detected	11.3 Not Detect	601.5 Detected	Pik3r5	1.197968532	0.02250548	0.78761294	0.0147964
A_51_P1487	225 Detected	241.3 Detected	221.4 Detected	269.5 Detected	Msantd1	1.197777778	0.984	1.11686697	0.91753
A_52_P6210	1836 Detected	1660.8 Detected	1334.2 Detected	2199 Detected	Nmt1	1.197712418	0.72668845	1.32406069	0.8033478
A_51_P1430	196.5 Detected	145.4 Detected	179.3 Detected	235.3 Detected	Rab11fip2	1.197455471	0.91246819	1.61829436	1.2331499
A_55_P2061	1638.6 Detected	1786.4 Detected	1688.4 Detected	1962 Detected	ND6	1.197363603	1.0303918	1.09829825	0.9451411
A_51_P1254	243.3 Detected	394.7 Detected	280.7 Detected	291.3 Detected	Dph1	1.1972873	1.15371969	0.73802888	0.711173
A_55_P2152	11540.9 Detected	12869.4 Detected	13255.3 Detected	13817.6 Detected	Map2k2	1.19727231	1.14854994	1.07367865	1.0299859
A_51_P2734	22731.9 Detected	13626.6 Detected	13520.8 Detected	27214 Detected	Prkg2	1.197172256	0.5947941	1.99712327	0.9922358
A_55_P2038	1457.7 Detected	1248.7 Detected	1060.9 Detected	1744.9 Detected	Tmem104	1.197022707	0.72779035	1.39737327	0.8496036
A_55_P2093	64 Detected	65.6 Detected	52.2 Detected	76.6 Detected	Zscan25	1.196875	0.815625	1.16768293	0.7957317
A_55_P2129	63 Detected	80.5 Detected	76.9 Detected	75.4 Detected	Nrp	1.196825397	1.22063492	0.93664596	0.9552795
A_52_P3676	811.7 Detected	842.4 Detected	812 Detected	971.4 Detected	Acin1	1.196747567	1.00036959	1.1531339	0.9639126
A_55_P2077	4119.6 Detected	3326.4 Detected	3826 Detected	4929.7 Detected	Nktr	1.196645305	0.92873094	1.48199254	1.1501924
A_55_P1979	125.7 Detected	122.6 Detected	127.9 Detected	150.4 Detected	Etnk2	1.196499602	1.01750199	1.22675367	1.04323
A_55_P1955	29275.7 Detected	27498.7 Detected	27452.3 Detected	35028 Detected	Rabac1	1.196487189	0.93771626	1.27380567	0.9983126
A_55_P2169	1766.2 Detected	1394.5 Detected	1404.9 Detected	2113.2 Detected	Rufy3	1.196466991	0.79543653	1.51538186	1.0074579
A_55_P1991	154.8 Detected	82.7 Detected	145.9 Detected	185.2 Detected	Nos1ap	1.196382429	0.94250646	2.23941959	1.764208
A_55_P2015	265.3 Detected	264.3 Detected	430.1 Detected	317.4 Detected	Bcas1	1.196381455	1.62118357	1.20090806	1.6273174
A_51_P3058	11576.8 Detected	12277.4 Detected	13361.3 Detected	13849.4 Detected	Chordc1	1.196306406	1.1541445	1.12804014	1.0882842
A_55_P2226	757 Detected	447.4 Detected	467.8 Detected	905.6 Detected	5033418A18Rik	1.196301189	0.61796565	2.02413947	1.0455968
A_55_P2002	5421.2 Detected	3619.2 Detected	5988.7 Detected	6484.8 Detected	Ap5s1	1.196192725	1.10468162	1.79177719	1.6547027
A_65_P1770	15498.6 Detected	16938 Detected	15444 Detected	18537.7 Detected	Apobec3	1.196088679	0.9964771	1.09444444	0.911796
A_51_P1980	22829.2 Detected	19341.9 Detected	29830.9 Detected	27305.7 Detected	Mien1	1.196086591	1.30669931	1.41173825	1.5422942

A_52_P6189	15.3 Detected	9.3 Not Detect	7.9 Not Detect	18.3 Not Detect	Lcn9	1.196078431	0.51633987	1.96774194	0.8494624
A_55_P2008	14403.9 Detected	14205.8 Detected	16970.9 Detected	17227.8 Detected	Rxrb	1.19605107	1.17821562	1.21273001	1.1946458
A_51_P5139	2757.2 Detected	2931.9 Detected	3241 Detected	3297.5 Detected	Rsl24d1	1.195959669	1.17546787	1.1246973	1.1054265
A_55_P2031	144.6 Detected	145.3 Detected	136.4 Detected	172.9 Detected	Ccdc6	1.19571231	0.94329184	1.18995182	0.9387474
A_55_P2071	64.4 Detected	61 Detected	69.9 Detected	77 Detected	Kcnma1	1.195652174	1.08540373	1.26229508	1.1459016
A_55_P2180	50.1 Detected	30.6 Detected	56.4 Detected	59.9 Detected	Mtch2	1.195608782	1.1257485	1.95751634	1.8431373
A_55_P2044	14966.4 Detected	12992.1 Detected	15329.7 Detected	17893.5 Detected	Vps29	1.195578095	1.02427437	1.37726003	1.1799247
A_52_P7442	546.6 Detected	528.3 Detected	513.3 Detected	653.5 Detected	Mms19	1.195572631	0.93907794	1.23698656	0.971607
A_55_P2026	6368 Detected	6685.6 Detected	7909.7 Detected	7613.2 Detected	Pdcd2l	1.195540201	1.24210113	1.13874596	1.183095
A_55_P2087	720.1 Detected	680.1 Detected	672.3 Detected	860.9 Detected	Specc1l	1.195528399	0.93362033	1.26584326	0.9885311
A_55_P2003	1244.4 Detected	1158.1 Detected	1695.2 Detected	1487.7 Detected	Gnpda1	1.195515911	1.36226294	1.28460409	1.4637769
A_55_P2051	101.3 Detected	84.1 Detected	83.6 Detected	121.1 Detected	Kdm2b	1.195459033	0.82527147	1.43995244	0.9940547
A_52_P1880	39297.3 Detected	37043.5 Detected	41594.4 Detected	46976.1 Detected	Eif3c	1.195402738	1.0584544	1.26813341	1.1228529
A_51_P1564	1491.9 Detected	1572.9 Detected	1398 Detected	1783.4 Detected	Slc25a33	1.195388431	0.93706012	1.13382923	0.8888041
A_55_P1970	2106.2 Detected	1726.3 Detected	2270.6 Detected	2517.7 Detected	Nr2c2	1.195375558	1.07805527	1.45843712	1.3152986
A_55_P1998	30.2 Detected	37.4 Detected	24.3 Detected	36.1 Not Detect	Gm3985	1.195364238	0.80463576	0.96524064	0.6497326
A_55_P2024	2761.6 Detected	2809.7 Detected	2635.7 Detected	3300.9 Detected	Gm10765	1.195285342	0.95441049	1.17482293	0.9380717
A_55_P2021	18345.1 Detected	19950.7 Detected	18033.4 Detected	21926.8 Detected	Elp5	1.195240146	0.98300909	1.09904916	0.9038981
A_55_P1954	66.6 Detected	81 Detected	79.1 Detected	79.6 Detected	Ugt3a1	1.195195195	1.18768769	0.98271605	0.9765432
A_51_P4631	211.2 Detected	504 Detected	150.2 Detected	252.4 Detected	Ptplad2	1.195075758	0.71117424	0.50079365	0.2980159
A_55_P2050	7966 Detected	7314.5 Detected	9009.3 Detected	9519.7 Detected	Ankrd27	1.195041426	1.13096912	1.30148335	1.2317041
A_55_P2014	200 Detected	190.7 Detected	216 Detected	239 Detected	Serpina11	1.195000000	1.19500000	1.2532774	1.1326691
A_51_P3619	40029.2 Detected	38135.5 Detected	44762.7 Detected	47829.8 Detected	Uqcrfs1	1.194872743	1.11825118	1.25420671	1.1737803
A_51_P4148	4431.2 Detected	3884.3 Detected	3823.2 Detected	5294.5 Detected	Ifi35	1.194823073	0.86279112	1.36305126	0.98427
A_51_P2197	201.8 Detected	165.5 Detected	208.8 Detected	241.1 Detected	Bpifa5	1.194747275	1.03468781	1.45679758	1.2616314
A_55_P2167	8307.7 Detected	9264.4 Detected	8701.8 Detected	9925.2 Detected	Cnnm3	1.194698894	1.04743792	1.0713268	0.9392729
A_55_P2115	3306.3 Detected	3314.6 Detected	2212.6 Detected	3949.5 Detected	Ikbip	1.194537701	0.66920727	1.19154649	0.6675315
A_55_P1965	1178.1 Detected	1001.6 Detected	1438.1 Detected	1407.2 Detected	Serpib6e	1.194465665	1.22069434	1.40495208	1.4358027
A_55_P2123	3533.7 Detected	3952.4 Detected	3768.7 Detected	4220.6 Detected	Slc35e1	1.194385488	1.06650253	1.0678575	0.9535219
A_55_P2016	10837.3 Detected	9037.4 Detected	8444.7 Detected	12943.5 Detected	Msl1	1.194347301	0.77922545	1.43221502	0.934417
A_51_P3408	2222 Detected	1951.5 Detected	1875.5 Detected	2653.6 Detected	Ipp	1.194239424	0.84405941	1.35977453	0.9610556
A_65_P0846	102.5 Detected	87.7 Detected	98.9 Detected	122.4 Detected	Tlk2	1.194146341	0.96487805	1.39566705	1.1277081
A_55_P2008	3194.7 Detected	3764.2 Detected	3722 Detected	3814.9 Detected	Cdkn2a	1.194134034	1.16505462	1.013469	0.9887891
A_66_P1016	376.1 Detected	324.3 Detected	416.8 Detected	449.1 Detected	Zfp27	1.194097315	1.1082159	1.38482886	1.2852297
A_55_P2077	740.5 Detected	504.1 Detected	555 Detected	884.2 Detected	Vps8	1.194058069	0.74949359	1.75401706	1.100972
A_51_P3659	3718.8 Detected	4716.9 Detected	2092.2 Detected	4440.3 Detected	2310022B05Rik	1.194014198	0.56260084	0.94135979	0.443554
A_55_P2022	1791.7 Detected	1684.1 Detected	2580.9 Detected	2139.3 Detected	Dhcr7	1.194005693	1.44047553	1.27029274	1.5325099
A_52_P4187	19046.6 Detected	14765 Detected	17808 Detected	22741.7 Detected	Rnf220	1.194003129	0.93497002	1.54024382	1.2060955
A_51_P4461	318.1 Detected	301.5 Detected	284.6 Detected	379.8 Detected	Lrrc38	1.193964162	0.89468721	1.25970149	0.9439469
A_55_P2236	917.9 Detected	869.4 Detected	171.9 Detected	1095.8 Detected	D8Erd158e	1.193811962	0.1872753	1.26040948	0.1977226

A_55_P2110	935.1 Detected	894.7 Detected	1090.7 Detected	1116.3 Detected	Slc35a2	1.193776067	1.16639932	1.24768079	1.2190678
A_55_P2057	3131.5 Detected	2415.6 Detected	3778.7 Detected	3738 Detected	Golga1	1.193677152	1.20667412	1.54744163	1.5642904
A_52_P1388	87.8 Detected	93.6 Detected	81.8 Detected	104.8 Detected	Qsox2	1.193621868	0.93166287	1.11965812	0.8739316
A_52_P4915	1155 Detected	616.3 Detected	967.2 Detected	1378.4 Detected	Nedd9	1.193419913	0.8374026	2.2365731	1.5693656
A_55_P1975	12551.6 Detected	13835.2 Detected	11828.5 Detected	14978.1 Detected	Mdm2	1.193321967	0.94238981	1.08260813	0.8549569
A_51_P1818	12926.5 Detected	10050.4 Detected	15659.8 Detected	15425 Detected	Eml3	1.193285112	1.21144935	1.53476479	1.558127
A_51_P2913	9706.2 Detected	9556.2 Detected	7289.9 Detected	11581.3 Detected	Pafah1b1	1.193185799	0.75105603	1.21191478	0.7628451
A_55_P2054	2674.9 Detected	3172.2 Detected	2546.1 Detected	3191.6 Detected	Trappc1	1.1931661	0.95184867	1.00611563	0.8026291
A_55_P1958	786.4 Detected	552.6 Detected	1214.5 Detected	938.2 Detected	Arrdc1	1.193031536	1.54437945	1.69779225	2.1977923
A_55_P2219	48.7 Detected	33.4 Detected	50.4 Detected	58.1 Detected	C76332	1.19301848	1.0349076	1.73952096	1.508982
A_55_P2166	6157.9 Detected	5940 Detected	8052.3 Detected	7346.4 Detected	Rpusd3	1.193004109	1.30763734	1.23676768	1.3556061
A_51_P3869	1284.1 Detected	1314.1 Detected	1672.6 Detected	1531.9 Detected	Taco1	1.192975625	1.30254653	1.16574081	1.2728103
A_51_P2493	16.6 Detected	5.9 Not Detect	11.9 Not Detect	19.8 Not Detect	Sds	1.192771084	0.71686747	3.3559322	2.0169492
A_55_P2216	8.3 Not Detect	15.5 Detected	8.5 Not Detect	9.9 Not Detect	2610209C05Rik	1.192771084	1.02409639	0.63870968	0.5483871
A_55_P2034	13629.8 Detected	12443.6 Detected	13691.6 Detected	16257.2 Detected	Ctdsp1	1.192768786	1.00453418	1.3064708	1.1002925
A_51_P2108	17361.3 Detected	14465.3 Detected	19671.3 Detected	20708 Detected	Pcnp	1.192767823	1.13305455	1.43156381	1.3598958
A_55_P2131	1371.1 Detected	1085.6 Detected	1500.1 Detected	1635.4 Detected	1110059G10Rik	1.192764933	1.09408504	1.50644805	1.3818165
A_55_P2068	15679 Detected	16692.5 Detected	14412.2 Detected	18699.2 Detected	Nudc	1.192627081	0.91920403	1.12021567	0.8633937
A_55_P2178	773.4 Detected	1011.4 Detected	517 Detected	922.3 Detected	Dnmt3a	1.192526506	0.66847686	0.91190429	0.5111726
A_55_P2115	26.5 Detected	31 Detected	21.7 Detected	31.6 Not Detect	Fmr1nb	1.19245283	0.81886792	1.01935484	0.7
A_52_P4803	7721.5 Detected	9227 Detected	7737 Detected	9207.2 Detected	Loxl2	1.192410801	1.00200738	0.99785412	0.8385174
A_55_P2068	404.4 Detected	377.2 Detected	351.6 Detected	482.2 Detected	Sun5	1.192383778	0.8694362	1.27836691	0.9321315
A_55_P2007	152.4 Detected	173.1 Detected	163.2 Detected	181.7 Detected	Ift74	1.192257218	1.07086614	1.04968226	0.9428076
A_51_P2406	310774.8 Detected	383293.5 Detected	283466.7 Detected	370507.1 Detected	Tm4sf1	1.192204452	0.91212898	0.96664071	0.7395552
A_55_P2047	38639.1 Detected	35726.7 Detected	34509 Detected	46064.9 Detected	Bfar	1.192183565	0.89311086	1.28936902	0.9659162
A_51_P1411	2658.6 Detected	2871.5 Detected	2696.9 Detected	3169.5 Detected	Ddx50	1.192168811	1.01440608	1.10377851	0.9391955
A_55_P1978	4032.3 Detected	3065.4 Detected	3880.6 Detected	4807 Detected	Kmt2b	1.192123602	0.96237879	1.56814771	1.2659359
A_55_P1955	247200 Detected	304582.7 Detected	294039.7 Detected	294688.8 Detected	Gm12070	1.192106796	1.18948099	0.96751654	0.9653854
A_51_P5079	7908.4 Detected	7483.2 Detected	6469.4 Detected	9427 Detected	Atp13a2	1.192023671	0.81804158	1.25975518	0.8645232
A_66_P1354	40.1 Detected	46.6 Detected	42.8 Detected	47.8 Not Detect	AI481877	1.19201995	1.06733167	1.02575107	0.9184549
A_55_P2108	61758.4 Detected	42494 Detected	77358.9 Detected	73608.5 Detected	Mtch2	1.191878352	1.25260531	1.73220925	1.8204664
A_55_P1989	1244.6 Detected	974.9 Detected	1378.3 Detected	1483.4 Detected	AI987944	1.191868874	1.10742407	1.52159196	1.413786
A_51_P3863	19497.9 Detected	22519.8 Detected	13626.4 Detected	23238.3 Detected	Wwp2	1.191836044	0.69886501	1.03190526	0.6050853
A_55_P2012	20924.7 Detected	18758 Detected	22202.6 Detected	24937 Detected	Twf1	1.191749464	1.06107137	1.32940612	1.1836336
A_55_P2016	112.2 Detected	137 Detected	110.9 Detected	133.7 Detected	Mrpl47	1.191622103	0.98841355	0.97591241	0.8094891
A_55_P2004	108.1 Detected	120.5 Detected	78.2 Detected	128.8 Detected	Prrg1	1.191489362	0.72340426	1.06887967	0.6489627
A_55_P2013	7937.4 Detected	7128 Detected	7172.3 Detected	9456.5 Detected	Cd4	1.191385088	0.90360823	1.32666947	1.0062149
A_55_P2181	85.7 Detected	90.7 Detected	85.1 Detected	102.1 Detected	Fndc9	1.191365228	0.99299883	1.12568908	0.938258
A_51_P2565	16.2 Detected	7 Not Detect	3.4 Not Detect	19.3 Not Detect	Gm3527	1.191358025	0.20987654	2.75714286	0.4857143
A_52_P3414	2228.7 Detected	2069.6 Detected	2390.1 Detected	2655.1 Detected	Pgm3	1.191322296	1.0724189	1.28290491	1.1548608

A_55_P2047	390.5	Detected	277.3	Detected	339.7	Detected	465.2	Detected	Serac1	1.191293214	0.86991037	1.67760548	1.225027
A_55_P2161	1653.8	Detected	1521	Detected	1554.1	Detected	1970	Detected	Mpp3	1.191196033	0.9397146	1.29520053	1.021762
A_55_P1975	43472.2	Detected	50931.7	Detected	59319.2	Detected	51777.5	Detected	Sqlc	1.191048532	1.36453182	1.01660655	1.1646813
A_55_P2184	57158.4	Detected	49356.6	Detected	80354.9	Detected	68071.3	Detected	Ndufv3	1.190923819	1.40582836	1.3791732	1.6280477
A_52_P1183	9659.9	Detected	5904.1	Detected	12155.3	Detected	11503.9	Detected	Opa3	1.190892245	1.25832566	1.94845955	2.0587897
A_55_P2119	1345.9	Detected	1594	Detected	1819.1	Detected	1602.8	Detected	Plekhj1	1.190875994	1.3515863	1.0055207	1.1412171
A_51_P4834	52.4	Detected	47.8	Detected	45.5	Detected	62.4	Detected	Kif26b	1.190839695	0.86832061	1.30543933	0.9518828
A_52_P4114	237.9	Detected	260.2	Detected	183.4	Detected	283.3	Detected	Gm5914	1.190836486	0.77091215	1.08877786	0.7048424
A_55_P2022	843.9	Detected	697.1	Detected	763	Detected	1004.9	Detected	Nfe2l1	1.190780898	0.90413556	1.44154354	1.0945345
A_66_P1402	286.3	Detected	263.8	Detected	270.7	Detected	340.9	Detected	Gzmk	1.190709046	0.9455117	1.29226687	1.0261562
A_55_P2097	206.1	Detected	204	Detected	287	Detected	245.4	Detected	Slx1b	1.190684134	1.3925279	1.20294118	1.4068627
A_55_P2093	252086.9	Detected	276665.2	Detected	241165.7	Detected	300146.4	Detected	Zfp408	1.190646559	0.95667684	1.08487226	0.8716879
A_51_P1068	7896.3	Detected	5204.5	Detected	7547.1	Detected	9401.6	Detected	Lsm10	1.190633588	0.95577676	1.80643674	1.4501105
A_55_P2101	176.8	Detected	183.4	Detected	158.6	Detected	210.5	Detected	Ptchd3	1.19061086	0.89705882	1.14776445	0.8647764
A_55_P2028	308	Detected	423	Detected	267.8	Detected	366.7	Detected	Trappc1	1.190584416	0.86948052	0.86690307	0.6330969
A_51_P2909	704.5	Detected	653.7	Detected	728.4	Detected	838.7	Detected	Raver2	1.190489709	1.03392477	1.28300444	1.1142726
A_55_P2182	11122.2	Detected	9975.1	Detected	8342.5	Detected	13240.7	Detected	Rab3c	1.190474906	0.75007642	1.32737516	0.8363325
A_55_P1958	28295.8	Detected	26401.4	Detected	29783.8	Detected	33684.1	Detected	Zfp692	1.190427555	1.05258731	1.27584522	1.1281144
A_51_P2345	9560.8	Detected	11837.4	Detected	10485.9	Detected	11380.9	Detected	Azin1	1.190371099	1.09675969	0.96143579	0.885828
A_65_P1297	15315.6	Detected	18222.2	Detected	13667.1	Detected	18230.8	Detected	Dnaja2	1.190341874	0.89236465	1.00047195	0.7500247
A_55_P2028	3359.7	Detected	2732.4	Detected	2609	Detected	3998.9	Detected	3110043O21Rik	1.190255082	0.77655743	1.46351193	0.9548382
A_55_P2085	240.8	Detected	229.7	Detected	206.1	Detected	286.6	Detected	Fbxo44	1.190199336	0.85589701	1.24771441	0.8972573
A_55_P2045	40413.7	Detected	46568.2	Detected	36412.1	Detected	48100.2	Detected	Sigmar1	1.190195404	0.90098407	1.03289799	0.7819091
A_55_P2049	284.5	Detected	288.7	Detected	207.1	Detected	338.6	Detected	Efn2	1.190158172	0.72794376	1.17284378	0.7173537
A_55_P2362	190.4	Detected	221.7	Detected	206.5	Detected	226.6	Detected	4921516112Rik	1.19012605	1.08455882	1.02210194	0.9314389
A_51_P5108	10400.3	Detected	4943.2	Detected	8681.3	Detected	12377.5	Detected	Tmem50b	1.190109901	0.83471631	2.50394481	1.7562106
A_55_P1989	2099.2	Detected	781.4	Detected	2367.6	Detected	2498.2	Compromis	Tnxb	1.190072409	1.12785823	3.19708216	3.0299463
A_55_P2044	418.4	Detected	413.7	Detected	377.9	Detected	497.9	Detected	Zfp74	1.19000956	0.90320268	1.20352913	0.9134639
A_51_P4244	115250	Detected	119316.9	Detected	119788.4	Detected	137128.5	Detected	Txn1	1.189835141	1.03937874	1.14927978	1.0039517
A_55_P2156	90.1	Detected	96.7	Detected	87.9	Detected	107.2	Detected	Kcnk15	1.189789123	0.97558269	1.10858325	0.9089969
A_55_P2043	199.7	Detected	226.1	Detected	181	Detected	237.6	Detected	Trpm1	1.189784677	0.90635954	1.05086245	0.8005307
A_51_P5037	77	Detected	85.8	Detected	70	Detected	91.6	Detected	Tex19.2	1.18961039	0.90909091	1.06759907	0.8158508
A_51_P4974	779.2	Detected	773.9	Detected	857.6	Detected	926.9	Detected	Dedd	1.189553388	1.10061602	1.19769996	1.1081535
A_51_P4079	60.7	Detected	53.4	Detected	67.3	Detected	72.2	Detected	Grifin	1.189456343	1.10873147	1.35205993	1.2602996
A_52_P4859	19966.6	Detected	18138.4	Detected	21095.9	Detected	23748.1	Detected	Scap	1.189391283	1.05655945	1.30927204	1.1630519
A_55_P2102	52612.7	Detected	54802.8	Detected	53179.6	Detected	62568.5	Detected	Eif1	1.189228076	1.01077496	1.14170261	0.9703811
A_55_P2316	207.2	Detected	196.6	Detected	219.8	Detected	246.4	Detected	Grm5	1.189189189	1.06081081	1.25330621	1.1180061
A_51_P4367	6961	Detected	5148.5	Detected	3212.2	Detected	8277.7	Detected	Arrb1	1.189153857	0.46145669	1.60778868	0.6239099
A_55_P1988	108.4	Detected	266.4	Detected	199.9	Detected	128.9	Detected	Gng7	1.189114391	1.84409594	0.48385886	0.7503754
A_51_P1409	122.7	Detected	112.6	Detected	137.9	Detected	145.9	Detected	4930519P11Rik	1.189079055	1.12387938	1.29573712	1.2246892

A_55_P2103	259.7	Detected	188	Detected	124	Detected	308.8	Detected	Dusp8	1.189064305	0.47747401	1.64255319	0.6595745
A_51_P3678	41918.5	Detected	48105.5	Detected	57553.5	Detected	49836.9	Detected	Polr2g	1.188899889	1.37298567	1.03599173	1.1964017
A_55_P2122	332.1	Detected	437.2	Detected	448.2	Detected	394.8	Detected	Pnpt1	1.188798555	1.3495935	0.90301921	1.0251601
A_55_P2011	64.1	Detected	60	Detected	60.5	Detected	76.2	Detected	1600010M07Rik	1.188767551	0.94383775	1.27	1.0083333
A_55_P1992	152181.1	Detected	161377.4	Detected	122044	Detected	180895.9	Detected	Ap1s1	1.188688346	0.80196555	1.1209494	0.7562645
A_55_P2086	23264.4	Detected	39066.1	Detected	22177	Detected	27652.2	Detected	Ppid	1.188605767	0.95325906	0.70783109	0.5676789
A_55_P2041	977.2	Detected	965.6	Detected	972.3	Detected	1161.4	Detected	Evx2	1.188497749	0.99498567	1.20277548	1.0069387
A_55_P1968	4337.7	Detected	4068.2	Detected	4172.1	Detected	5155.3	Detected	Def6	1.188486986	0.96182309	1.26721892	1.0255396
A_52_P2280	1835.6	Detected	1948.6	Detected	1873.5	Detected	2181.5	Detected	Atf1	1.188439747	1.0206472	1.11952171	0.9614595
A_55_P2134	204.4	Detected	177.6	Detected	175.7	Detected	242.9	Detected	Krtap10-4	1.188356164	0.85958904	1.36768018	0.9893018
A_55_P2015	1275.6	Detected	1355.6	Detected	1418.4	Detected	1515.8	Detected	Ltc4s	1.188303543	1.11194732	1.11817645	1.0463263
A_52_P2887	212	Detected	198.2	Detected	200.1	Detected	251.9	Detected	Gm527	1.188207547	0.94386792	1.27093845	1.0095863
A_51_P1501	59033.6	Detected	53632.5	Detected	102237.5	Detected	70140.9	Detected	Mgst2	1.188152171	1.73185271	1.3078059	1.9062602
A_52_P3892	486.5	Detected	494	Detected	342.9	Detected	578	Detected	Smarcc2	1.188078109	0.70483042	1.17004049	0.6941296
A_66_P1117	2825.8	Detected	2688.2	Detected	3885.1	Detected	3357.1	Detected	Znrf2	1.188017553	1.37486729	1.24882821	1.4452422
A_66_P1394	9270.6	Detected	5567.7	Detected	9694.1	Detected	11012.6	Detected	C330006A16Rik	1.187905853	1.04568205	1.97794421	1.7411319
A_66_P1298	1482.2	Detected	1247.6	Detected	1353.1	Detected	1760.4	Detected	Rab8b	1.187693968	0.91289974	1.41102918	1.0845624
A_51_P1387	1365.1	Detected	1186	Detected	1497.4	Detected	1621.1	Detected	Plekhf2	1.187532049	1.09691598	1.36686341	1.2625632
A_55_P1953	634.6	Detected	562.4	Detected	743.8	Detected	753.6	Detected	Tnfsf12	1.187519697	1.1720769	1.33997155	1.3225462
A_66_P1292	123.2	Detected	125.4	Detected	149.7	Detected	146.3	Detected	Raver1	1.1875	1.2150974	1.16666667	1.1937799
A_55_P1965	2854.6	Detected	2335.7	Detected	2352.8	Detected	3389.8	Detected	Klhl18	1.187486863	0.82421355	1.4512994	1.0073211
A_51_P1744	4695.7	Detected	3580.7	Detected	4730.3	Detected	5576	Detected	Fam134a	1.187469387	1.00736844	1.55723741	1.3210545
A_51_P2225	12190.2	Detected	11649	Detected	13817.1	Detected	14475.1	Detected	Arf6	1.18743745	1.13345966	1.24260452	1.186119
A_55_P2007	84.3	Detected	88	Detected	124.7	Detected	100.1	Detected	Gm9112	1.18742586	1.47924081	1.1375	1.4170455
A_55_P1998	73.1	Detected	189.5	Detected	72.1	Detected	86.8	Detected	Speg	1.187414501	0.98632011	0.45804749	0.3804749
A_66_P1373	1186.7	Detected	1099.2	Detected	1359.4	Detected	1409.1	Detected	Ddx55	1.187410466	1.14552962	1.28193231	1.2367176
A_51_P1921	1519.4	Detected	983.1	Detected	1182.9	Detected	1804.1	Detected	Diap2	1.187376596	0.778531	1.83511342	1.2032347
A_51_P4663	174	Detected	170.4	Detected	182.6	Detected	206.6	Detected	Itgal	1.187356322	1.04942529	1.21244131	1.0715962
A_52_P2516	11627	Detected	11559.3	Detected	11916.9	Detected	13805	Detected	Arhgef40	1.187322611	1.02493334	1.19427647	1.0309361
A_52_P5250	131.9	Detected	208.9	Detected	129.1	Detected	156.6	Detected	Vamp4	1.187263078	0.9787718	0.74964098	0.617999
A_55_P2347	954.3	Detected	1559.7	Detected	1098.3	Detected	1133	Detected	Mir17hg	1.187257676	1.15089594	0.72642175	0.7041739
A_55_P2461	643.8	Detected	444.6	Detected	640.5	Detected	764.3	Detected	Guf1	1.187169929	0.99487418	1.71907332	1.4406208
A_52_P6781	91.9	Detected	123.8	Detected	56.1	Detected	109.1	Detected	Faf1	1.187159956	0.61044614	0.8812601	0.4531502
A_52_P5404	3260.6	Detected	2829.2	Detected	2991.1	Detected	3870.5	Detected	Zfp407	1.187051463	0.9173465	1.36805457	1.0572247
A_55_P2158	710.5	Detected	643.6	Detected	594.1	Detected	843.4	Detected	Aanat	1.187051372	0.83617171	1.31044127	0.9230889
A_52_P3130	3020.8	Detected	2828	Detected	2675	Detected	3585.8	Detected	Gosr1	1.187036547	0.88552701	1.26796322	0.9458982
A_52_P6519	254.5	Detected	377.5	Detected	487.9	Detected	302.1	Detected	Fam229b	1.187033399	1.91709234	0.8002649	1.2924503
A_51_P2906	960	Detected	1080.6	Detected	1467.1	Detected	1139.5	Detected	Ppp6r3	1.186979167	1.52822917	1.05450676	1.3576717
A_55_P2099	1519.9	Detected	1324.6	Detected	1632.5	Detected	1804	Detected	Akt1s1	1.186920192	1.07408382	1.36192058	1.2324475
A_55_P2120	4666.9	Detected	5338.4	Detected	4855.5	Detected	5539	Detected	Cited2	1.186869228	1.04041227	1.0375768	0.9095422

A_55_P2116	132.2 Detected	132.4 Detected	113 Detected	156.9 Detected	Myo1c	1.186838124	0.85476551	1.18504532	0.8534743
A_52_P5761	416.1 Detected	556 Detected	418.5 Detected	493.8 Detected	Thap1	1.186733958	1.00576784	0.8881295	0.7526978
A_51_P3794	14737 Detected	17354.1 Detected	19207.7 Detected	17487.6 Detected	Bclaf1	1.186645857	1.30336568	1.00769271	1.1068105
A_55_P1962	121.1 Detected	106.4 Detected	104.3 Detected	143.7 Detected	Clec1b	1.186622626	0.86127168	1.35056391	0.9802632
A_52_P1051	3683.4 Detected	4425.7 Detected	3388.6 Detected	4370.6 Detected	Frs2	1.186566759	0.91996525	0.98754999	0.7656642
A_55_P2056	817.8 Detected	539.9 Detected	619 Detected	970.3 Detected	Tanc1	1.186475911	0.75690878	1.79718466	1.1465086
A_55_P2045	201.2 Detected	360.3 Detected	214.4 Detected	238.7 Detected	Cpeb2	1.18638171	1.06560636	0.66250347	0.5950597
A_55_P2129	14648.4 Detected	15087 Detected	15719.9 Detected	17377.9 Detected	Smarbcb1	1.186334344	1.07314792	1.15184596	1.04195
A_55_P2185	9204.9 Detected	7770.3 Detected	6348.9 Detected	10919.9 Detected	Samd4b	1.186313811	0.68973047	1.40533828	0.8170727
A_55_P2002	23478.6 Detected	30072.6 Detected	24418.1 Detected	27850.2 Detected	Hmgb1	1.186195088	1.04001516	0.92609884	0.8119717
A_55_P2179	2623 Detected	1878.9 Detected	2848.1 Detected	3111.3 Detected	Mad2l1	1.186160884	1.08581777	1.6559157	1.5158337
A_55_P2061	82.2 Detected	230.7 Detected	101.1 Detected	97.5 Detected	Slc16a11	1.186131387	1.22992701	0.42262679	0.4382315
A_51_P1664	129 Detected	240.1 Detected	206.5 Detected	153 Detected	Fzd5	1.186046512	1.60077519	0.63723449	0.8600583
A_52_P3124	328.6 Detected	212.6 Detected	12.4 Not Detect	389.7 Detected	Hoxb3	1.185940353	0.03773585	1.83301976	0.0583255
A_55_P2046	2857 Detected	2285.8 Detected	3248.9 Detected	3388.2 Detected	Mapkap1	1.185929296	1.13717186	1.48228191	1.4213404
A_52_P1181	144.7 Detected	119.2 Detected	154.1 Detected	171.6 Detected	Slc6a16	1.185901866	1.06496199	1.43959732	1.2927852
A_55_P2049	31.2 Detected	47 Detected	37.3 Detected	37 Not Detect	Ube2d2b	1.185897436	1.19551282	0.78723404	0.793617
A_55_P1991	32.3 Detected	30.6 Detected	37.1 Detected	38.3 Not Detect	Cnga3	1.185758514	1.14860681	1.25163399	1.2124183
A_52_P4731	30.7 Detected	30.3 Detected	21.6 Detected	36.4 Not Detect	Otos	1.185667752	0.70358306	1.20132013	0.7128713
A_55_P2170	3865 Detected	3408.3 Detected	3502.4 Detected	4582.6 Detected	Ggps1	1.185666235	0.9061837	1.34454127	1.0276091
A_52_P1128	2875.7 Detected	3026.5 Detected	2373.8 Detected	3409.6 Detected	BC023829	1.185659144	0.82546858	1.12658186	0.7843383
A_55_P1989	9.7 Not Detect	18.2 Detected	13.5 Not Detect	11.5 Not Detect	Olf10	1.18556701	1.39175258	0.63186813	0.7417582
A_55_P1998	132.6 Detected	175.4 Detected	301.6 Detected	157.2 Detected	Slc17a9	1.185520362	2.2745098	0.89623717	1.7194983
A_55_P2070	44.2 Detected	33.3 Detected	49.2 Detected	52.4 Not Detect	1700037C18Rik	1.185520362	1.11312217	1.57357357	1.4774775
A_51_P3041	5446 Detected	7842.8 Detected	5411.7 Detected	6456.3 Detected	Necap1	1.185512303	0.9937018	0.82321365	0.6900214
A_55_P2023	1320.8 Detected	1101.2 Detected	1100.9 Detected	1565.8 Detected	Leng8	1.18549364	0.83350999	1.42190338	0.9997276
A_55_P2056	36955.4 Detected	33679.7 Detected	41373.7 Detected	43809.7 Detected	Kif22	1.185474924	1.11955763	1.30077465	1.2284462
A_55_P2113	3511.6 Detected	2686.1 Detected	2346.9 Detected	4162.3 Detected	Raph1	1.185300148	0.66832783	1.54957001	0.8737203
A_55_P2111	806.3 Detected	1186.1 Detected	744.9 Detected	955.7 Detected	3110009E18Rik	1.185290835	0.92384968	0.80574994	0.6280246
A_55_P2109	310.9 Detected	348.8 Detected	318.8 Detected	368.5 Detected	Vash1	1.185268575	1.0254101	1.05647936	0.9139908
A_55_P1991	11911.6 Detected	15712.8 Detected	17069.3 Detected	14118 Detected	Rad51ap1	1.185231203	1.43299809	0.89850313	1.0863309
A_55_P2363	175.5 Detected	131.2 Detected	95.6 Detected	208 Detected	2610020P09Rik	1.185185185	0.54472934	1.58536585	0.7286585
A_55_P2107	148.5 Detected	115.1 Detected	131.6 Detected	176 Detected	Ggn	1.185185185	0.88619529	1.52910513	1.1433536
A_51_P4752	1695.3 Detected	1777.4 Detected	1735.4 Detected	2009.2 Detected	Moap1	1.185158969	1.02365363	1.13041521	0.97637
A_55_P2137	17127 Detected	17763.8 Detected	18831 Detected	20296.4 Detected	Tmpo	1.185052841	1.09949203	1.14257085	1.0600772
A_51_P1858	4702.1 Detected	5529.6 Detected	4189.5 Detected	5571.9 Detected	Dnal4	1.184981179	0.89098488	1.00764974	0.7576497
A_51_P4690	1144 Detected	910.2 Detected	1261 Detected	1355.6 Detected	Mfsd4	1.184965035	1.10227273	1.489343	1.3854098
A_51_P1630	829.4 Detected	796 Detected	715.6 Detected	982.8 Detected	Ptcd1	1.184952978	0.86279238	1.23467337	0.898995
A_55_P2154	11914.8 Detected	10871.4 Detected	12237.5 Detected	14117.5 Detected	Klhl9	1.184870917	1.02708396	1.2985908	1.12566
A_55_P2048	37803.8 Detected	38061.4 Detected	50246.3 Detected	44791.6 Detected	Ganab	1.184843852	1.32913358	1.17682481	1.320138

A_55_P2021	75.8	Detected	74.9	Detected	67.1	Detected	89.8	Detected	Sfi1	1.18469657	0.88522427	1.19893191	0.8958611
A_51_P4146	186.4	Detected	473	Detected	114.3	Detected	220.8	Detected	Plvap	1.184549356	0.61319742	0.46680761	0.241649
A_55_P2044	81.3	Detected	79.9	Detected	77.4	Detected	96.3	Detected	Gm10796	1.184501845	0.95202952	1.20525657	0.9687109
A_55_P2044	51.5	Detected	49.6	Detected	66.1	Detected	61	Detected	Mfng	1.184466019	1.28349515	1.22983871	1.3326613
A_55_P2110	79493.7	Detected	73584.7	Detected	74096.1	Detected	94151.3	Detected	Mettl7a2	1.184386939	0.93210028	1.2794956	1.0069498
A_52_P3381	63603.1	Detected	78914.6	Detected	78643.8	Detected	75328.1	Detected	Timm13	1.18434636	1.23647747	0.95455214	0.9965684
A_55_P2171	205073.6	Detected	226329.2	Detected	251447.5	Detected	242866	Detected	Lgals3	1.184287007	1.22613296	1.07306525	1.1109813
A_52_P5823	3654.7	Detected	4128.9	Detected	4881.4	Detected	4328.2	Detected	Mrps11	1.184283252	1.33564998	1.04826951	1.1822519
A_55_P2030	997	Detected	884.8	Detected	1216.5	Detected	1180.7	Detected	Tfpt	1.184252758	1.22016048	1.33442586	1.374887
A_51_P4185	18665.6	Detected	16323.4	Detected	19854.2	Detected	22103.1	Detected	Sfxn1	1.184162309	1.06367864	1.35407452	1.216303
A_55_P2076	3605.8	Detected	4297.4	Detected	3497.9	Detected	4269.8	Detected	Gm10144	1.184147762	0.97007599	0.99357751	0.8139573
A_52_P2020	1894.2	Detected	1477	Detected	1429.3	Detected	2242.9	Detected	Trak2	1.184088269	0.75456657	1.51855112	0.9677048
A_55_P2118	278.2	Detected	320.3	Detected	287.4	Detected	329.4	Detected	Cd37	1.184040259	1.03306973	1.02841086	0.8972838
A_55_P1986	10555.9	Detected	8425.9	Detected	11568.2	Detected	12498	Detected	Pih1d1	1.183982417	1.09589898	1.48328368	1.3729335
A_51_P4360	14.7	Not Detect	22.4	Detected	14.1	Not Detect	17.4	Not Detect	Gpr182	1.183673469	0.95918367	0.77678571	0.6294643
A_65_P1911	546.7	Detected	526.7	Detected	607.2	Detected	647.1	Detected	Zfp397	1.183647339	1.11066398	1.22859313	1.1528384
A_55_P2011	1894.5	Detected	1533.7	Detected	1759.8	Detected	2242.2	Detected	Dlg1	1.183531275	0.92889945	1.46195475	1.1474213
A_55_P2044	12923.5	Detected	12022.8	Detected	14062.9	Detected	15294.9	Detected	Vps29	1.183495183	1.08816497	1.2721579	1.1696859
A_55_P2164	10.9	Not Detect	14.6	Not Detect	22.2	Detected	12.9	Not Detect	Gsdmc4	1.183486239	2.03669725	0.88356164	1.5205479
A_66_P1091	16777.5	Detected	18933.1	Detected	19279.5	Detected	19855.6	Detected	Farsb	1.183465951	1.1491283	1.04872419	1.018296
A_52_P3670	27520.5	Detected	24485.2	Detected	25193.7	Detected	32569.3	Detected	Atxn2l	1.183455969	0.91545212	1.33016271	1.0289358
A_55_P2079	1850.2	Detected	2031.9	Detected	1748.2	Detected	2189.5	Detected	4930579G24Rik	1.18338558	0.94487082	1.07756287	0.860377
A_55_P1961	215535.7	Detected	263678.3	Detected	252704.2	Detected	255056.8	Detected	Gm6981	1.183362199	1.17244707	0.96730296	0.9583807
A_51_P2305	246.1	Detected	220.2	Detected	214.2	Detected	291.2	Detected	Rfng	1.183258838	0.8703779	1.32243415	0.972752
A_55_P1975	983.7	Detected	967.9	Detected	882.2	Detected	1163.9	Detected	Lrig2	1.183185931	0.89681814	1.20250026	0.9114578
A_52_P5767	6778.3	Detected	6386.6	Detected	8561	Detected	8019.3	Detected	Tmem30a	1.183084254	1.26300105	1.25564463	1.3404628
A_55_P2153	380874.4	Detected	401815.8	Detected	368564.1	Detected	450600.2	Detected	2610028H24Rik	1.183067699	0.96767885	1.12140986	0.9172464
A_51_P4053	124	Detected	119.6	Detected	128	Detected	146.7	Detected	Mepe	1.183064516	1.03225806	1.22658863	1.0702341
A_55_P1997	591.6	Detected	534	Detected	489.1	Detected	699.9	Detected	Kdm5c	1.18306288	0.82674104	1.31067416	0.9159176
A_52_P3574	966.5	Detected	1082.4	Detected	1094.9	Detected	1143.4	Detected	Frk	1.183031557	1.13285049	1.05635625	1.0115484
A_52_P3567	1981.5	Detected	1784.6	Detected	2060.6	Detected	2344	Detected	Pdzd8	1.182942215	1.03991925	1.3134596	1.1546565
A_55_P2133	1759.6	Detected	1746	Detected	2083.7	Detected	2081.5	Detected	Luc7l2	1.182939304	1.18418959	1.19215349	1.1934135
A_51_P3208	62620.9	Detected	95481.9	Detected	73140.6	Detected	74071.8	Detected	Cd9	1.182860674	1.16799024	0.77576797	0.7660153
A_51_P1965	1054.7	Detected	1293.3	Detected	1463.7	Detected	1247.5	Detected	Plekhlj1	1.182800796	1.387788	0.96458672	1.131756
A_51_P4169	5821.4	Detected	6988.7	Detected	5719.8	Detected	6885.4	Detected	Ube2j2	1.182773903	0.98254715	0.985219	0.8184355
A_55_P2100	458.1	Detected	549.7	Detected	431	Detected	541.8	Detected	Fsd1l	1.182711198	0.94084261	0.98562852	0.784064
A_55_P2065	51834.2	Detected	47271.1	Detected	51566.2	Detected	61304.7	Detected	Medag	1.182707556	0.99482967	1.29687483	1.090861
A_55_P1973	5514.6	Detected	5192.7	Detected	6118.4	Detected	6522.1	Detected	Rnf7	1.182696841	1.10949117	1.25601325	1.1782695
A_66_P1271	3314.2	Detected	4376.7	Detected	2778.4	Detected	3919.6	Detected	Eif2b3	1.182668517	0.83833203	0.89556058	0.6348162
A_55_P2034	75384	Detected	72414.9	Detected	84139.7	Detected	89152.1	Detected	Pdcd5	1.182639552	1.11614799	1.23112923	1.1619114

A_55_P2098	31567.4	Detected	31457.1	Detected	28596.9	Detected	37332.8	Detected	Sf3a2	1.182637785	0.90589976	1.18678454	0.9090762
A_52_P9260	399.2	Detected	417.4	Detected	390.8	Detected	472.1	Detected	Fam149b	1.18261523	0.97895792	1.13104935	0.9362722
A_55_P2026	4718.1	Detected	4397.8	Detected	5304.8	Detected	5579.5	Detected	Vprbp	1.182573494	1.1243509	1.26870253	1.2062395
A_55_P2031	2120.8	Detected	1883.8	Detected	2484.1	Detected	2508	Detected	Rin2	1.182572614	1.17130328	1.33135152	1.3186644
A_55_P2308	1899	Detected	2709.6	Detected	2052.9	Detected	2245.1	Detected	Gm16062	1.182253818	1.08104265	0.82857248	0.7576395
A_51_P5184	81472.1	Detected	69050	Detected	86508.1	Detected	96318.6	Detected	Atpif1	1.182228027	1.06181257	1.39491093	1.2528327
A_52_P1003	487.7	Detected	393.1	Detected	552.2	Detected	576.5	Detected	Zbtb42	1.182079147	1.13225343	1.46654795	1.4047316
A_51_P3155	245274.5	Detected	266614	Detected	239400.1	Detected	289927.8	Detected	CYTB	1.182054392	0.97604969	1.08744402	0.8979277
A_55_P2030	3042.9	Detected	2782	Detected	3472.2	Detected	3596.8	Detected	Tfpt	1.1820303	1.14108252	1.29288282	1.2480949
A_52_P4783	45.6	Detected	56.7	Detected	52.4	Detected	53.9	Detected	Shprh	1.182017544	1.14912281	0.95061728	0.9241623
A_52_P1632	814.4	Detected	827.8	Detected	990.3	Detected	962.6	Detected	Tmem106b	1.18197446	1.21598723	1.16284127	1.1963035
A_66_P1128	3724.3	Detected	2972.4	Detected	4779.1	Detected	4401.9	Detected	B4galt6	1.18194023	1.28322101	1.48092451	1.6078253
A_55_P2012	993.3	Detected	652.7	Detected	888.8	Detected	1174	Detected	Arid4b	1.181918856	0.89479513	1.7986824	1.3617282
A_52_P4758	448.1	Detected	440.4	Detected	433.9	Detected	529.6	Detected	Rc3h1	1.181879045	0.96831064	1.20254314	0.9852407
A_55_P2078	236749.9	Detected	251192.6	Detected	232849.9	Detected	279800.3	Detected	Lrrc31	1.181839148	0.98352692	1.11388751	0.9269775
A_55_P2028	123.2	Detected	145	Detected	156	Detected	145.6	Detected	Isg2012	1.181818182	1.26623377	1.00413793	1.0758621
A_52_P3460	771.8	Detected	817.3	Detected	796.2	Detected	912.1	Detected	Trmt11	1.181782845	1.03161441	1.11599168	0.9741833
A_51_P4910	10365.7	Detected	13415	Detected	12377.6	Detected	12249.9	Detected	Ints9	1.181772577	1.19409205	0.91314946	0.9226687
A_66_P1320	444.6	Detected	439.3	Detected	432.8	Detected	525.4	Detected	Gm5608	1.181736392	0.97345929	1.19599363	0.9852037
A_55_P2413	106.8	Detected	90.4	Detected	69.5	Detected	126.2	Detected	1700048M11Rik	1.18164794	0.65074906	1.3960177	0.7688053
A_55_P2071	49	Detected	47.4	Detected	47.3	Detected	57.9	Detected	Anapc1	1.181632653	0.96530612	1.22151899	0.9978903
A_55_P1980	174955.7	Detected	183368.3	Detected	190933.8	Detected	206722.7	Detected	Gm6548	1.181571678	1.09132655	1.12736334	1.0412585
A_65_P1295	262.9	Detected	194.6	Detected	246.9	Detected	310.6	Detected	Sec16a	1.181437809	0.93914036	1.59609455	1.2687564
A_66_P1366	1642.2	Detected	934.6	Detected	1787	Detected	1940.1	Detected	Chp1	1.181402996	1.0881744	2.07586133	1.9120479
A_51_P4739	1413.2	Detected	1521.5	Detected	1385.2	Detected	1669.4	Detected	Mycbp2	1.181290688	0.98018681	1.0972067	0.9104174
A_55_P2007	42.5	Detected	29.3	Detected	25.2	Detected	50.2	Detected	Muc5b	1.181176471	0.59294118	1.71331058	0.8600683
A_66_P1074	94.5	Detected	93.4	Detected	86.2	Detected	111.6	Detected	Trbv13-1	1.180952381	0.91216931	1.19486081	0.9229122
A_55_P1986	1255	Detected	1271.2	Detected	1708.6	Detected	1482	Detected	Tut1	1.180876494	1.36143426	1.16582756	1.3440843
A_51_P3283	2590.9	Detected	2095.8	Detected	3569.5	Detected	3059.5	Detected	Pdia4	1.180863793	1.37770659	1.45982441	1.7031682
A_55_P2090	7600.7	Detected	9853.8	Detected	5688.5	Detected	8974.6	Detected	H13	1.180759667	0.74841791	0.91077554	0.57729
A_55_P2192	629.6	Detected	574	Detected	909.8	Detected	743.4	Detected	Slmap	1.180749682	1.44504447	1.29512195	1.5850174
A_55_P2027	109	Detected	93.2	Detected	96.1	Detected	128.7	Detected	Neto1	1.180733945	0.88165138	1.38090129	1.0311159
A_52_P1449	5007.6	Detected	6497.5	Detected	6352.1	Detected	5912.6	Detected	Taf1d	1.180725298	1.26849189	0.90998076	0.9776222
A_55_P2069	1286.5	Detected	876.9	Detected	886.2	Detected	1518.9	Detected	Zmym6	1.180645161	0.68884571	1.73212453	1.0106055
A_55_P2162	2261.9	Detected	2104.9	Detected	2746.7	Detected	2670.3	Detected	Nipa2	1.18055617	1.21433308	1.26861134	1.3049076
A_55_P2342	82.1	Detected	78.2	Detected	69.9	Detected	96.9	Detected	2610008G14Rik	1.180267966	0.85140073	1.23913043	0.8938619
A_52_P6792	3250	Detected	2756.4	Detected	2794.1	Detected	3835	Detected	Slc35f6	1.18	0.85972308	1.3913075	1.0136773
A_51_P2723	90	Detected	94.9	Detected	128.4	Detected	106.2	Detected	Ankrd33	1.18	1.42666667	1.11907271	1.3530032
A_51_P3871	246.2	Detected	208	Detected	104	Detected	290.5	Detected	Oasl2	1.179935012	0.4224208	1.39663462	0.5
A_55_P1955	3878	Detected	5229.9	Detected	4149.1	Detected	4575.2	Detected	Extl2	1.179783394	1.06990717	0.87481596	0.7933421

A_55_P2137	170048.8	Detected	185146.3	Detected	209713.3	Detected	200615.9	Detected	Rps25	1.17975487	1.23325363	1.08355338	1.1326897
A_55_P1975	12.8	Not Detect	9.7	Not Detect	17.9	Detected	15.1	Not Detect	Amt	1.1796875	1.3984375	1.55670103	1.8453608
A_51_P1984	12107.3	Detected	11164.6	Detected	11823.8	Detected	14282.4	Detected	Grb2	1.179651946	0.97658437	1.27925765	1.0590438
A_51_P1656	18961.8	Detected	14710.9	Detected	19926.9	Detected	22368.1	Detected	Hirip3	1.179640119	1.05089707	1.520512	1.354567
A_51_P1335	6648.8	Detected	5602.9	Detected	4898.6	Detected	7842.5	Detected	Cbx4	1.179536157	0.73676453	1.39972157	0.8742972
A_55_P2114	1709.3	Detected	1560.5	Detected	1464.3	Detected	2016.1	Detected	Irf9	1.17948868	0.85666647	1.29195771	0.9383531
A_55_P2009	318933.9	Detected	363182.5	Detected	327117.3	Detected	376161.4	Detected	Rpl13	1.179433732	1.02565861	1.03573658	0.9006968
A_55_P2247	12981.2	Detected	11084.6	Detected	14008.1	Detected	15309.7	Detected	Ap2s1	1.179374788	1.07910671	1.38116847	1.2637443
A_55_P2251	403.8	Detected	304.6	Detected	463.5	Detected	476.2	Detected	Qk	1.179296682	1.14784547	1.56336179	1.5216678
A_51_P2538	106	Detected	59.2	Detected	278.7	Detected	125	Detected	Psca	1.179245283	2.62924528	2.11148649	4.7077703
A_55_P2082	46966.8	Detected	57086.6	Detected	41748.3	Detected	55382.8	Detected	Hmgb1	1.179190407	0.8888896	0.97015412	0.7313152
A_55_P1979	222.2	Detected	238.1	Detected	231.4	Detected	262	Detected	Tbata	1.179117912	1.04140414	1.10037799	0.9718606
A_55_P2109	23041.2	Detected	20105.4	Detected	22109.3	Detected	27166.9	Detected	Rfng	1.179057514	0.95955506	1.35122405	1.0996697
A_55_P2010	5295.5	Detected	4642.8	Detected	4840.2	Detected	6243.1	Detected	Slc30a5	1.178944387	0.91402134	1.34468424	1.0425174
A_55_P2102	21.8	Detected	18	Detected	13.3	Not Detect	25.7	Not Detect	Armc9	1.178899083	0.61009174	1.42777778	0.7388889
A_55_P2151	21.8	Detected	24.1	Detected	32.4	Detected	25.7	Not Detect	Krtap16-1	1.178899083	1.48623853	1.06639004	1.3443983
A_52_P5549	3865.4	Detected	4452.2	Detected	3368	Detected	4556.8	Detected	Fam133b	1.17886894	0.87131992	1.023494	0.7564799
A_52_P1083	4151.3	Detected	6122.2	Detected	4246.1	Detected	4893.6	Detected	Myc	1.178811457	1.02283622	0.79932051	0.6935579
A_55_P2130	81.1	Detected	81.8	Detected	96.3	Detected	95.6	Detected	Gm4200	1.178791615	1.18742293	1.16870416	1.1772616
A_55_P2000	20185.7	Detected	17629.1	Detected	15417	Detected	23793.9	Detected	Ubp2	1.178750303	0.7637585	1.34969454	0.87452
A_55_P2447	658.1	Detected	714.2	Detected	733.5	Detected	775.7	Detected	Asxl2	1.178696247	1.11457225	1.08611033	1.0270232
A_66_P1369	267.5	Detected	307.9	Detected	274.5	Detected	315.3	Detected	Klk1b21	1.178691589	1.02616822	1.02403378	0.8915232
A_55_P2150	4810.5	Detected	5585.2	Detected	6065.5	Detected	5670	Detected	Yipf5	1.178671656	1.26088764	1.01518298	1.0859951
A_51_P2780	22150.2	Detected	24779.6	Detected	20927.2	Detected	26107.6	Detected	Vps36	1.178662044	0.94478605	1.05359247	0.8445334
A_55_P2176	16.8	Detected	8.8	Not Detect	17.2	Detected	19.8	Not Detect	Gucy2e	1.178571429	1.02380952	2.25	1.9545455
A_55_P2182	29.7	Detected	23.3	Detected	29.5	Detected	35	Not Detect	Adig	1.178451178	0.99326599	1.50214592	1.2660944
A_55_P2121	10273.4	Detected	11012.5	Detected	12204.1	Detected	12106.3	Detected	Clcc1	1.17841221	1.18793194	1.0993235	1.1082043
A_55_P2141	17302.1	Detected	14707.9	Detected	13616.8	Detected	20383.7	Detected	Pls3	1.178105548	0.78700273	1.38590145	0.9258154
A_66_P1190	26.4	Detected	25.9	Detected	38.6	Detected	31.1	Not Detect	Zfp870	1.178030303	1.46212121	1.2007722	1.4903475
A_55_P2049	2983.7	Detected	3419.7	Detected	1979.7	Detected	3514.8	Detected	Phtf2	1.178000469	0.66350504	1.02780946	0.5789104
A_55_P2056	5626.9	Detected	5789.8	Detected	5593.7	Detected	6628.4	Detected	Lrrk1	1.177984325	0.99409977	1.14484093	0.9661301
A_55_P2000	427.9	Detected	483.7	Detected	426.9	Detected	504	Detected	9930104L06Rik	1.177845291	0.99766301	1.04196816	0.8825718
A_52_P2176	2625.8	Detected	3076.1	Detected	1985.5	Detected	3092.6	Detected	Zfp692	1.177774393	0.75615051	1.00536393	0.6454602
A_55_P2083	205.9	Detected	302.6	Detected	156.9	Detected	242.5	Detected	Gm10272	1.177756192	0.7620204	0.80138797	0.5185063
A_52_P1647	7121.1	Detected	5714.4	Detected	7968.7	Detected	8386.7	Detected	Poc1a	1.177725351	1.11902655	1.46764315	1.3944946
A_51_P5067	5531.5	Detected	8821	Detected	6031.2	Detected	6514.5	Detected	Nap1l1	1.177709482	1.09033716	0.73852171	0.683732
A_52_P6721	68.1	Detected	73.7	Detected	62.8	Detected	80.2	Detected	2900052N01Rik	1.177679883	0.92217327	1.08819539	0.8521031
A_55_P2148	2136.6	Detected	2620.6	Detected	2552.5	Detected	2516.2	Detected	Nr1d2	1.17766545	1.19465506	0.9601618	0.9740136
A_55_P1971	3398.5	Detected	3714.9	Detected	3874.6	Detected	4002.2	Detected	Dnajc8	1.177637193	1.14009122	1.07733721	1.042989
A_65_P1171	1487.1	Detected	1632.6	Detected	1308.2	Detected	1751.2	Detected	Nol8	1.177593975	0.87969874	1.07264486	0.8012985

A_51_P1871	7975	Detected	7757.4	Detected	8413.1	Detected	9390.6	Detected	Smim12	1.177504702	1.05493417	1.21053446	1.0845257
A_52_P1733	3071.2	Detected	3340.2	Detected	2970.2	Detected	3616.3	Detected	Gm21559	1.177487627	0.96711383	1.08265972	0.8892282
A_55_P1990	75011.5	Detected	64675.4	Detected	85815.4	Detected	88320.7	Detected	Scsep1	1.177428794	1.14402992	1.36559959	1.3268631
A_55_P2169	104079.2	Detected	97351	Detected	101529.2	Detected	122545.5	Detected	Prorsd1	1.177425461	0.97549943	1.25880063	1.0429189
A_51_P3417	34.4	Detected	34	Detected	38.1	Detected	40.5	Not Detect	Mpl	1.177325581	1.10755814	1.19117647	1.1205882
A_52_P4555	1710.5	Detected	2114.7	Detected	1500.8	Detected	2013.8	Detected	Ric8b	1.177316574	0.87740427	0.95228638	0.7096988
A_55_P2360	51.9	Detected	45.6	Detected	38.7	Detected	61.1	Detected	D5Ertd798e	1.177263969	0.74566474	1.33991228	0.8486842
A_55_P2141	53180.5	Detected	54541.2	Detected	60426.7	Detected	62598.7	Detected	Park7	1.177098749	1.13625671	1.14773236	1.1079093
A_52_P5610	2336.4	Detected	3140.2	Detected	2788.5	Detected	2750.1	Detected	Slc25a32	1.177067283	1.19350282	0.87577224	0.8880008
A_51_P1446	41.8	Detected	50.2	Detected	54.3	Detected	49.2	Detected	Sit1	1.177033493	1.29904306	0.98007968	1.0816733
A_55_P2173	22193	Detected	27510.7	Detected	30061.8	Detected	26121.5	Detected	Mpp6	1.177015275	1.35456225	0.94950328	1.0927312
A_55_P2176	5744.6	Detected	5216.6	Detected	5845.5	Detected	6761.4	Detected	0610010F05Rik	1.17700101	1.01756432	1.29613158	1.1205575
A_55_P2103	59.9	Detected	59.9	Detected	71.3	Detected	70.5	Detected	Mknk2	1.176961603	1.1903172	1.1769616	1.1903172
A_55_P2043	110.2	Detected	123.7	Detected	119.3	Detected	129.7	Detected	Mtm1	1.176950998	1.08257713	1.04850445	0.9644301
A_51_P5113	7100.9	Detected	8684.8	Detected	7414.4	Detected	8357.4	Detected	Ranbp2	1.176949401	1.04414933	0.96230195	0.8537214
A_55_P1979	10728.9	Detected	6889.5	Detected	14200.9	Detected	12627.3	Detected	Shc1	1.17694265	1.32361193	1.83283257	2.0612381
A_52_P4964	52	Detected	93.3	Detected	27.1	Detected	61.2	Detected	1700001O22Rik	1.176923077	0.52115385	0.65594855	0.2904609
A_52_P2607	114.2	Detected	84.6	Detected	106.9	Detected	134.4	Detected	Dopey1	1.176882662	0.93607706	1.58865248	1.2635934
A_55_P1952	1311.2	Detected	994.9	Detected	1210.7	Detected	1543.1	Detected	Son	1.176860891	0.92335265	1.55101015	1.2169062
A_55_P1965	329.8	Detected	234.7	Detected	268.7	Detected	388.1	Detected	Zfp329	1.176773802	0.8147362	1.65360034	1.1448658
A_55_P2025	290.9	Detected	244.6	Detected	301.5	Detected	342.3	Detected	Gnaz	1.176693022	1.03643864	1.39942764	1.2326247
A_66_P1075	4698.6	Detected	4932	Detected	4754.8	Detected	5528.8	Detected	Taf2	1.176690929	1.01196101	1.12100568	0.9640714
A_51_P3588	183.4	Detected	190	Detected	161.1	Detected	215.8	Detected	Disc1	1.176663032	0.87840785	1.13578947	0.8478947
A_51_P3498	78801.7	Detected	79647.6	Detected	81100.7	Detected	92722	Detected	Txndc17	1.176649742	1.0291745	1.16415309	1.0182441
A_55_P2060	173.8	Detected	226.3	Detected	236.1	Detected	204.5	Detected	S100a5	1.176639816	1.358458	0.9036677	1.0433053
A_55_P2047	1125.6	Detected	1068.5	Detected	947.1	Detected	1324.3	Detected	Srr	1.176528074	0.84141791	1.23940103	0.8863828
A_51_P3292	3071	Detected	2429.7	Detected	2391.7	Detected	3612.9	Detected	Senp5	1.17645718	0.77880169	1.4869737	0.9843602
A_51_P4552	923.5	Detected	801.5	Detected	1213.8	Detected	1086.3	Detected	Ring1	1.176285869	1.31434759	1.35533375	1.5144105
A_51_P3755	1873.1	Detected	2259.4	Detected	1771.6	Detected	2203.2	Detected	Polr3b	1.176231915	0.94581176	0.97512614	0.784102
A_51_P4084	71578.2	Detected	56333.4	Detected	86065.8	Detected	84190.1	Detected	Cdipt	1.176197501	1.20240241	1.49449705	1.5277935
A_55_P1996	19603.2	Detected	26415.2	Detected	22932.4	Detected	23057.1	Detected	Polr2k	1.176190622	1.16982942	0.87287244	0.8681517
A_66_P1206	17.6	Detected	12.6	Not Detect	18.3	Detected	20.7	Not Detect	4930544D05Rik	1.176136364	1.03977273	1.64285714	1.452381
A_51_P3929	25195.7	Detected	30494.3	Detected	29792.5	Detected	29632.4	Detected	Mthfd1	1.176089571	1.18244383	0.9717357	0.9769859
A_55_P2000	332.8	Detected	223.1	Detected	312.5	Detected	391.4	Detected	Fmnl2	1.176081731	0.9390024	1.75437024	1.4007172
A_55_P1958	8741.6	Detected	6688.6	Detected	12308.2	Detected	10280	Detected	Arrdc1	1.17598609	1.40800311	1.53694346	1.8401758
A_52_P4711	2797.7	Detected	2682.4	Detected	2274.5	Detected	3289.7	Detected	Pusl1	1.175858741	0.81298924	1.22640173	0.8479347
A_51_P2190	1208.3	Detected	1480.2	Detected	1311.6	Detected	1420.7	Detected	Oxa1l	1.17578416	1.08549201	0.95980273	0.8860965
A_55_P2186	13739.5	Detected	14842.6	Detected	14608.7	Detected	16153	Detected	Chtop	1.175661414	1.06326286	1.08828642	0.9842413
A_52_P2613	1579.3	Detected	878.5	Detected	1280.4	Detected	1856.7	Detected	Tanc1	1.175647439	0.81073893	2.1134889	1.4574843
A_55_P2131	7640.8	Detected	6720.5	Detected	5662.2	Detected	8982.7	Detected	Krtap10-10	1.175622971	0.74104806	1.33661186	0.8425266

A_51_P3620	460.1	Detected	574.2	Detected	473.9	Detected	540.9	Detected	Rexo1	1.175613997	1.02999348	0.94200627	0.8253222
A_52_P9953	3280.8	Detected	3382.9	Detected	3911.1	Detected	3856.8	Detected	Ippk	1.175566935	1.19211778	1.14008691	1.1561382
A_55_P2033	15721.8	Detected	12671.5	Detected	12761.9	Detected	18481.5	Detected	Sltm	1.175533336	0.81173275	1.45850925	1.0071341
A_55_P2135	1628.1	Detected	1395.4	Detected	1926.4	Detected	1913.6	Detected	Taf6l	1.175357779	1.1832197	1.37136305	1.380536
A_51_P4820	1611.1	Detected	1101.1	Detected	2104	Detected	1893.6	Detected	Epm2aip1	1.175346037	1.30594004	1.71973481	1.9108165
A_51_P3710	3767.9	Detected	6450.6	Detected	4744.2	Detected	4428.5	Detected	Glipr1	1.175323124	1.25910985	0.68652528	0.7354665
A_52_P5902	1958.8	Detected	1240.1	Detected	2727.1	Detected	2302.1	Detected	Vars2	1.175260363	1.39222994	1.85638255	2.1990968
A_51_P3721	124.4	Detected	109.2	Detected	121.7	Detected	146.2	Detected	4930563E22Rik	1.175241158	0.97829582	1.33882784	1.1144689
A_55_P2046	110.8	Detected	101.9	Detected	115.9	Detected	130.2	Detected	Mpped1	1.175090253	1.04602888	1.27772326	1.1373896
A_51_P2339	3077.3	Detected	3051.9	Detected	2948	Detected	3616.1	Detected	B4galnt1	1.175088552	0.95798265	1.18486844	0.9659556
A_55_P2130	921.1	Detected	956.8	Detected	855.8	Detected	1082.3	Detected	Ube2g2	1.175008142	0.9291065	1.13116639	0.8944398
A_51_P3410	10655.1	Detected	10101.4	Detected	13904.5	Detected	12518.5	Detected	Eif3k	1.174883389	1.30496194	1.23928366	1.3764924
A_55_P2051	49.2	Detected	64.8	Detected	56.9	Detected	57.8	Detected	Lbx1	1.174796748	1.15650407	0.89197531	0.8780864
A_55_P2114	3370.7	Detected	3975.9	Detected	3357.8	Detected	3959.7	Detected	Exosc10	1.174741152	0.9961729	0.99592545	0.8445383
A_52_P5063	16.6	Detected	23.8	Detected	4.8	Not Detect	19.5	Not Detect	Fbxo8	1.174698795	0.28915663	0.81932773	0.2016807
A_55_P2031	14076.6	Detected	14203.2	Detected	11028.2	Detected	16534.9	Detected	Plekhh3	1.174637341	0.78344202	1.16416723	0.7764588
A_51_P3078	211.3	Detected	215.8	Detected	208.6	Detected	248.2	Detected	1700019N19Rik	1.174633223	0.98722196	1.15013902	0.9666358
A_55_P2166	4952.5	Detected	5055.6	Detected	6629.1	Detected	5817.3	Detected	1700011J10Rik	1.174618879	1.33853609	1.15066461	1.311239
A_55_P2084	1818.9	Detected	2290.7	Detected	2120.3	Detected	2136.4	Detected	Dus4l	1.17455605	1.16570455	0.93264068	0.9256123
A_55_P2121	940.4	Detected	1136.5	Detected	814.9	Detected	1104.5	Detected	Nipbl	1.174500213	0.86654615	0.97184338	0.717026
A_52_P3982	43	Detected	30.6	Detected	3.6	Not Detect	50.5	Not Detect	Ddx26b	1.174418605	0.08372093	1.6503268	0.1176471
A_55_P2130	43	Detected	38.3	Detected	34.5	Detected	50.5	Detected	6530409C15Rik	1.174418605	0.80232558	1.31853786	0.9007833
A_51_P4852	3544.6	Detected	4177.7	Detected	3078.2	Detected	4162.7	Detected	Rgl1	1.174377927	0.86841957	0.99640951	0.7368169
A_55_P2337	2915.7	Detected	3042.6	Detected	3279.6	Detected	3424.1	Detected	BC003331	1.174366361	1.12480708	1.12538618	1.0778939
A_51_P3426	159455.6	Detected	165942.3	Detected	180777.8	Detected	187249.3	Detected	Pgam1	1.174303693	1.13371873	1.12840005	1.0894016
A_55_P2142	361.2	Detected	188.8	Detected	77.1	Detected	424.1	Detected	Spry3	1.17414175	0.21345515	2.24629237	0.4083686
A_52_P6724	13846	Detected	16621.4	Detected	14965.6	Detected	16255.5	Detected	Prpf3	1.174021378	1.0808609	0.97798621	0.9003814
A_52_P3595	6919.1	Detected	9587.1	Detected	11009.5	Detected	8123	Detected	Pdxk	1.173996618	1.59117515	0.84728437	1.148366
A_55_P1987	159471.6	Detected	163984.5	Detected	131226.7	Detected	187212.4	Detected	Gnb2	1.173954485	0.82288445	1.14164692	0.8002384
A_55_P2207	125.9	Detected	132.5	Detected	119.4	Detected	147.8	Detected	Slc30a7	1.173947577	0.94837172	1.1154717	0.9011321
A_51_P1342	4374.2	Detected	3204.1	Detected	4394.6	Detected	5134.9	Detected	1700052K11Rik	1.173906086	1.00466371	1.60260292	1.3715552
A_52_P4877	3724.8	Detected	3132.2	Detected	4379.1	Detected	4372.4	Detected	Copg2	1.173861684	1.17566044	1.39595173	1.3980908
A_52_P3109	16952	Detected	21668.8	Detected	18818.5	Detected	19899.2	Detected	Eif4e	1.173855592	1.110105	0.91833419	0.8684606
A_51_P2727	70.2	Detected	71.7	Detected	50.6	Detected	82.4	Detected	Gm7968	1.173789174	0.72079772	1.14923291	0.7057183
A_51_P5173	17287.8	Detected	21245.5	Detected	17100.2	Detected	20291.8	Detected	Cers2	1.173764157	0.98914842	0.95511049	0.8048857
A_52_P6278	197.4	Detected	242.3	Detected	263.5	Detected	231.7	Detected	Tgm1	1.173758865	1.33485309	0.95625258	1.0874948
A_55_P2030	323.5	Detected	284	Detected	389.2	Detected	379.7	Detected	Barx2	1.173724884	1.20309119	1.33697183	1.3704225
A_51_P1429	957.4	Detected	818	Detected	1105.4	Detected	1123.6	Detected	Zfp429	1.173595154	1.15458534	1.37359413	1.3513447
A_66_P1197	214.3	Detected	249.2	Detected	261.3	Detected	251.5	Detected	BC049265	1.173588427	1.21931871	1.00922953	1.0485554
A_66_P1307	49	Detected	52.9	Detected	40.8	Detected	57.5	Detected	Zfp963	1.173469388	0.83265306	1.08695652	0.7712665

A_52_P4178	957.2	Detected	1387.4	Detected	696.6	Detected	1123.2	Detected	Osgin2	1.173422482	0.7277476	0.80957186	0.5020902
A_55_P2135	335.1	Detected	400.4	Detected	374.6	Detected	393.2	Detected	Prss36	1.17338108	1.11787526	0.98201798	0.9355644
A_51_P4864	234.2	Detected	255.4	Detected	212.3	Detected	274.8	Detected	A530017D24Rik	1.173356106	0.90649018	1.07595928	0.8312451
A_51_P4774	11288.8	Detected	9439.3	Detected	10762.3	Detected	13244.9	Detected	Nfic	1.173277939	0.95336085	1.40316549	1.1401587
A_55_P1997	111.4	Detected	97.1	Detected	111.9	Detected	130.7	Detected	Mylk	1.173249551	1.00448833	1.34603502	1.1524202
A_51_P1367	127.6	Detected	165.6	Detected	140.6	Detected	149.7	Detected	Calcoco1	1.173197492	1.10188088	0.90398551	0.8490338
A_52_P5764	27719.4	Detected	27520.1	Detected	29323	Detected	32519.3	Detected	Dap	1.173160314	1.05785118	1.18165632	1.0655121
A_51_P1294	146568	Detected	121969.4	Detected	166011.7	Detected	171947.1	Detected	Scd2	1.173155805	1.13265993	1.40975605	1.361093
A_51_P4161	1010.5	Detected	871.8	Detected	890.6	Detected	1185.4	Detected	Slc31a2	1.173082632	0.88134587	1.35971553	1.0215646
A_55_P2054	83.8	Detected	75.6	Detected	79.1	Detected	98.3	Detected	Tmem255b	1.173031026	0.94391408	1.30026455	1.0462963
A_55_P2091	453.8	Detected	552.5	Detected	479.5	Detected	532.3	Detected	Nxn1	1.172983693	1.05663288	0.96343891	0.8678733
A_51_P4164	15955.5	Detected	13512.7	Detected	19559	Detected	18713.9	Detected	Zdhhc6	1.172880825	1.22584689	1.38491197	1.4474531
A_55_P2056	20009.9	Detected	21109.4	Detected	25196.2	Detected	23468.8	Detected	Mrps21	1.172859435	1.2591867	1.11177011	1.193601
A_55_P2019	6485.2	Detected	5948.9	Detected	6301.1	Detected	7606.2	Detected	Rnf20	1.172855116	0.97161229	1.27858932	1.0592042
A_51_P4809	7278.7	Detected	8379.3	Detected	7170.5	Detected	8536.5	Detected	Blmh	1.172805583	0.98513471	1.01876052	0.8557397
A_55_P2084	24.9	Detected	29.3	Detected	22.4	Detected	29.2	Not Detect	Phlpp2	1.172690763	0.89959839	0.99658703	0.7645051
A_66_P1016	141.3	Detected	88.1	Detected	90.3	Detected	165.7	Detected	Scai	1.172682236	0.63906582	1.88081725	1.0249716
A_55_P1996	277.4	Detected	293.9	Detected	298.1	Detected	325.3	Detected	5033417F24Rik	1.172674838	1.07462149	1.10683906	1.0142906
A_51_P2886	707.7	Detected	749.1	Detected	696.2	Detected	829.9	Detected	Dusp11	1.172672036	0.98375018	1.10786277	0.9293819
A_51_P3002	2830.5	Detected	3138.5	Detected	3254.1	Detected	3319.2	Detected	Rsl24d1	1.172655008	1.14965554	1.05757527	1.0368329
A_52_P8044	16339.1	Detected	12938.2	Detected	20957.4	Detected	19157.4	Detected	Dpm2	1.172488081	1.28265327	1.4806851	1.619808
A_51_P2176	37.7	Detected	27.2	Detected	26.2	Detected	44.2	Not Detect	1700019L03Rik	1.172413793	0.69496021	1.625	0.9632353
A_55_P2064	13251.8	Detected	11494.8	Detected	14941.4	Detected	15535.3	Detected	Capzb	1.172316214	1.12749966	1.35150677	1.2998399
A_52_P4301	1371.3	Detected	1352.3	Detected	1220.5	Detected	1607.5	Detected	Dip2b	1.172245315	0.89003136	1.18871552	0.9025364
A_55_P1953	761.8	Detected	597.4	Detected	327	Detected	893	Detected	Lrrc8b	1.172223681	0.42924652	1.49481085	0.5473719
A_55_P2074	18	Detected	16.2	Not Detect	16.7	Not Detect	21.1	Not Detect	Raly1	1.172222222	0.92777778	1.30246914	1.0308642
A_55_P1966	11528.1	Detected	13594.3	Detected	13371.9	Detected	13512.9	Detected	Pmf1	1.172170609	1.15993963	0.9940122	0.9836402
A_55_P2210	273.7	Detected	282.3	Detected	347.1	Detected	320.8	Detected	Gm12992	1.172086226	1.26817684	1.13637974	1.229543
A_55_P2051	318.5	Detected	351.2	Detected	317	Detected	373.3	Detected	Gm8479	1.172056515	0.99529042	1.06292711	0.9026196
A_52_P2740	767.3	Detected	585	Detected	730.7	Detected	899.3	Detected	Ssr1	1.1720318	0.95230027	1.53726496	1.2490598
A_52_P4960	335339.9	Detected	333037.2	Detected	346464.4	Detected	393018.6	Detected	Fth1	1.172000707	1.0331738	1.1801042	1.0403174
A_55_P2035	19931	Detected	21235.3	Detected	20033.3	Detected	23358.9	Detected	Strip1	1.17198836	1.00513271	1.1000033	0.9433961
A_66_P1099	32	Detected	27.4	Detected	37	Detected	37.5	Not Detect	Bnip2	1.171875	1.15625	1.36861314	1.350365
A_51_P1517	3353.7	Detected	4020.7	Detected	3679.7	Detected	3929.9	Detected	Mief1	1.171810239	1.09720607	0.97741687	0.9151889
A_51_P5135	4308.2	Detected	4217.6	Detected	8583.3	Detected	5048.2	Detected	Rfk	1.17176547	1.99231698	1.19693665	2.0351148
A_55_P2014	5768.3	Detected	5234.2	Detected	6834.1	Detected	6758.3	Detected	Dvl3	1.171627689	1.18476848	1.29118108	1.3056628
A_55_P2051	1476.8	Detected	1434.3	Detected	1463.4	Detected	1730.2	Detected	Ephx3	1.171587216	0.99092633	1.20630273	1.0202886
A_51_P4866	8064.1	Detected	6794.1	Detected	8059.2	Detected	9447	Detected	Akr1b10	1.171488449	0.99939237	1.39047114	1.1862057
A_55_P1957	24.5	Detected	21.7	Detected	20.1	Detected	28.7	Not Detect	Bpifb1	1.171428571	0.82040816	1.32258065	0.9262673
A_55_P2020	1811.4	Detected	1092.5	Detected	1840.4	Detected	2121.9	Detected	Abcc10	1.171414376	1.01600972	1.94224256	1.6845767

A_55_P2076	2409.1	Detected	2241.5	Detected	2223	Detected	2822	Detected	Pkd1l2	1.171391806	0.92275123	1.25897836	0.9917466	
A_52_P2479	4697.2	Detected	4120.9	Detected	7114.5	Detected	5502.1	Detected	Parl	1.171357404	1.51462573	1.3351695	1.7264433	
A_52_P6394	85.8	Detected	94.4	Detected	44.5	Detected	100.5	Detected	Fam71f1	1.171328671	0.51864802	1.06461864	0.4713983	
A_52_P7489	81195.9	Detected	73384	Detected	94857.4	Detected	95106.6	Detected	Cfl1	1.17132269	1.16825357	1.29601275	1.2926169	
A_52_P5203	46145.3	Detected	37870.8	Detected	60702.1	Detected	54047.3	Detected	Timm8b	1.171241708	1.31545575	1.42714968	1.6028735	
A_52_P5231	220.9	Detected	177.4	Detected	193.1	Detected	258.7	Detected	Sh2d6	1.171118153	0.8741512	1.45828636	1.0885006	
A_55_P2048	24069.9	Detected	27284.4	Detected	20554.6	Detected	28188.2	Detected	Tmem97	1.171097512	0.85395452	1.03312516	0.7533462	
A_55_P2214	7.6	Not Detect	3.6	Not Detect	17.2	Detected	8.9	Not Detect	1700058M13Rik	1.171052632	2.26315789	2.47222222	4.7777778	
A_55_P2176	589.4	Detected	625.1	Detected	577.3	Detected	690.2	Detected	Tollip	1.171021378	0.97947065	1.10414334	0.9235322	
A_51_P3110	30673	Detected	29901	Detected	35454.4	Detected	35918.5	Detected	Malsu1	1.171013595	1.15588302	1.20124745	1.1857262	
A_51_P2160	21226.3	Detected	23193.5	Detected	22951.6	Detected	24855.5	Detected	Ddost	1.170976572	1.08128124	1.07165801	0.9895704	
A_55_P2392	100.6	Detected	95.8	Detected	62.6	Detected	117.8	Detected	BC055308	1.170974155	0.6222664	1.22964509	0.6534447	
A_51_P1880	23.4	Detected	21.1	Detected	29.4	Detected	27.4	Not Detect	Rabgap1	1.170940171	1.25641026	1.2985782	1.3933649	
A_55_P1973	50.9	Detected	46.4	Detected	34.7	Detected	59.6	Detected	Gm10753	1.170923379	0.68172888	1.28448276	0.7478448	
A_51_P1457	165.1	Detected	200.3	Detected	555.6	Detected	193.3	Detected	Ambp	1.170805572	3.36523319	0.96505242	2.7738392	
A_55_P2121	761.4	Detected	768.6	Detected	917.1	Detected	891.4	Detected	Cul2	1.170738114	1.20449173	1.15977101	1.1932084	
A_55_P2085	675	Detected	522.7	Detected	284.2	Detected	790.2	Detected		6-Sep	1.170666667	0.42103704	1.51176583	0.5437153
A_51_P1306	20838.3	Detected	21544.7	Detected	23766.5	Detected	24394.7	Detected	Adk	1.170666513	1.1405201	1.13228311	1.1031251	
A_55_P2081	466	Detected	468.3	Detected	388	Detected	545.5	Detected	9430015G10Rik	1.170600858	0.83261803	1.16485159	0.8285287	
A_51_P3293	2853.6	Detected	2693.7	Detected	3829.6	Detected	3340.4	Detected	Slc19a2	1.170591534	1.34202411	1.2400787	1.4216876	
A_55_P2031	646.7	Detected	340.6	Detected	339.7	Detected	757	Detected	Bend6	1.170558219	0.5252822	2.22254844	0.9973576	
A_55_P2002	21.7	Detected	21.8	Detected	26.6	Detected	25.4	Not Detect	Bre	1.170506912	1.22580645	1.16513761	1.2201835	
A_55_P1994	783.5	Detected	1729.7	Detected	686.2	Detected	917	Detected	Tma16	1.170389279	0.87581366	0.53014974	0.3967162	
A_55_P2024	3894.8	Detected	3821.2	Detected	2985.4	Detected	4558.4	Detected	Hspb11	1.170381021	0.76650919	1.19292369	0.7812729	
A_55_P2096	611.8	Detected	504.3	Detected	476.7	Detected	716	Detected	Rnf170	1.170317097	0.7791762	1.41978981	0.9452707	
A_52_P3598	499.3	Detected	365.1	Detected	429.6	Detected	584.3	Detected	Ntf5	1.170238334	0.86040457	1.60038346	1.1766639	
A_55_P1980	18100.3	Detected	18433.6	Detected	17378	Detected	21180.4	Detected	Ubr5	1.17016845	0.96009458	1.1490105	0.942735	
A_52_P6305	1948.8	Detected	1611.9	Detected	1650.8	Detected	2280.4	Detected	Epg5	1.170155993	0.84708539	1.41472796	1.024133	
A_51_P5071	4235.8	Detected	4017.4	Detected	4251.3	Detected	4956.1	Detected	2310022A10Rik	1.170050522	1.00365929	1.23365859	1.0582217	
A_55_P2279	41.2	Detected	44.3	Detected	33.8	Detected	48.2	Detected	4930549C15Rik	1.169902913	0.82038835	1.08803612	0.7629797	
A_55_P2032	3676	Detected	3267.7	Detected	2099.3	Detected	4300.4	Detected	Ctif	1.169858542	0.5710827	1.31603268	0.6424396	
A_55_P2001	143555.6	Detected	151367.6	Detected	158902.5	Detected	167936.2	Detected	Atp5g1	1.169833848	1.10690562	1.10945936	1.0497788	
A_66_P1202	61782.5	Detected	52065.8	Detected	71159.6	Detected	72269.7	Detected	Taf10	1.16974386	1.15177599	1.38804551	1.3667244	
A_55_P2180	21.8	Detected	18.5	Detected	21.1	Detected	25.5	Not Detect	Olf1r649	1.169724771	0.96788991	1.37837838	1.1405405	
A_51_P1419	360.6	Detected	502.5	Detected	464.1	Detected	421.8	Detected	1110008L16Rik	1.169717138	1.28702163	0.83940299	0.9235821	
A_51_P3671	23574.8	Detected	19881.3	Detected	26116	Detected	27575.2	Detected	Pold1	1.169689669	1.10779307	1.3869918	1.3135962	
A_51_P2455	113107.1	Detected	117977.8	Detected	93586	Detected	132290.8	Detected	ND4	1.169606506	0.82741048	1.12131943	0.7932509	
A_51_P1551	2287.8	Detected	3111	Detected	2988.7	Detected	2675.8	Detected	Zfp672	1.169595244	1.30636419	0.86010929	0.9606879	
A_55_P2144	891.2	Detected	1143.2	Detected	892.8	Detected	1042.3	Detected	Pofut2	1.169546679	1.00179533	0.91173898	0.7809657	
A_55_P1998	121	Detected	112.7	Detected	89.4	Detected	141.5	Detected	Eif2ak4	1.169421488	0.73884298	1.2555457	0.7932564	

A_66_P1372	2140.9	Detected	1915.6	Detected	2320.7	Detected	2503.6	Detected	Otof	1.169414732	1.08398337	1.30695343	1.2114742
A_66_P1114	16018.9	Detected	25798.2	Detected	17698	Detected	18732.6	Detected	2410006H16Rik	1.169406139	1.10481993	0.72612043	0.6860169
A_55_P1999	3465.8	Detected	3068.8	Detected	3220	Detected	4052.9	Detected	Gm2696	1.169398119	0.92907842	1.32067909	1.0492701
A_55_P2180	154.1	Detected	139.3	Detected	143.2	Detected	180.2	Detected	Zfp940	1.169370539	0.92926671	1.29361091	1.0279971
A_66_P1274	166.5	Detected	146.9	Detected	190.3	Detected	194.7	Detected	Gm5860	1.169369369	1.14294294	1.32539142	1.2954391
A_55_P1953	31255.2	Detected	37191.7	Detected	38085.2	Detected	36546.4	Detected	Bop1	1.16929023	1.21852364	0.98264935	1.0240242
A_55_P1954	3396.3	Detected	3232.8	Detected	3799.6	Detected	3971.2	Detected	Pars2	1.169272444	1.11874687	1.22840881	1.1753279
A_52_P8779	33.1	Detected	26.2	Detected	25.9	Detected	38.7	Not Detect	Olfr635	1.16918429	0.78247734	1.47709924	0.9885496
A_55_P1961	2338.8	Detected	2446.5	Detected	2630.3	Detected	2734.3	Detected	Dtd2	1.169103814	1.12463657	1.11763744	1.0751277
A_55_P2167	410.4	Detected	403.4	Detected	399.1	Detected	479.8	Detected	Cnot3	1.169103314	0.97246589	1.18939018	0.9893406
A_51_P1094	3296.3	Detected	3714.1	Detected	3833.8	Detected	3853.7	Detected	Eif2d	1.169098686	1.16306161	1.03758649	1.0322285
A_52_P3381	1925.5	Detected	1443.7	Detected	2536.2	Detected	2250.9	Detected	Chmp1b	1.168995066	1.31716437	1.55911893	1.7567362
A_51_P5190	1015.1	Detected	1221.7	Detected	1252.6	Detected	1186.6	Detected	Mkx	1.168948872	1.2339671	0.97126954	1.0252926
A_51_P1186	2964.7	Detected	2489.9	Detected	2911	Detected	3465.5	Detected	Wdr82	1.16892097	0.98188687	1.39182296	1.1691233
A_66_P1017	5731.1	Detected	5254.1	Detected	5544.7	Detected	6698.9	Detected	Sp1	1.168868106	0.9674757	1.27498525	1.0553092
A_55_P2015	3653.9	Detected	2604.4	Detected	3511.9	Detected	4270.8	Detected	Cggbp1	1.168833301	0.96113741	1.63984027	1.3484488
A_55_P2081	20206.4	Detected	20482.2	Detected	24165.8	Detected	23611.2	Detected	Mrpl55	1.168501069	1.19594782	1.15276679	1.179844
A_52_P5795	518.8	Detected	643.1	Detected	550.6	Detected	606.2	Detected	Cox10	1.16846569	1.0612953	0.94262168	0.8561654
A_51_P1870	66661.5	Detected	57135.4	Detected	68034.9	Detected	77891	Detected	G6pdx	1.168455555	1.0206026	1.36327041	1.1907661
A_52_P2738	1677.6	Detected	1226.9	Detected	1960.4	Detected	1960.2	Detected	Abhd5	1.168454936	1.16857415	1.59768522	1.5978482
A_55_P2083	38	Detected	50.1	Detected	46	Detected	44.4	Not Detect	Gm10781	1.168421053	1.21052632	0.88622754	0.9181637
A_52_P3202	9.5	Not Detect	62.1	Detected	12.8	Not Detect	11.1	Not Detect	Cpa2	1.168421053	1.34736842	0.17874396	0.2061192
A_55_P2006	183.5	Detected	197.1	Detected	178.2	Detected	214.4	Detected	Fgf22	1.168392371	0.97111717	1.0877727	0.9041096
A_55_P2174	5444	Detected	6617.6	Detected	5201.3	Detected	6360.7	Detected	Elac2	1.168387215	0.95541881	0.96117928	0.7859798
A_55_P2106	3567.6	Detected	2353.7	Detected	3020.7	Detected	4168.1	Detected	Herc2	1.16832044	0.84670367	1.77087139	1.2833836
A_55_P2096	6078.4	Detected	4806.2	Detected	6528.1	Detected	7101.3	Detected	Fbxl19	1.168284417	1.07398329	1.47752903	1.3582664
A_55_P2177	4911.4	Detected	4732	Detected	5149.3	Detected	5737.6	Detected	Adra1b	1.168220874	1.04843833	1.21251057	1.0881868
A_55_P1953	24371	Detected	31697.5	Detected	23466.6	Detected	28470.6	Detected	Sdhb	1.168216323	0.96289032	0.89819702	0.7403297
A_55_P2002	11128.8	Detected	13487.7	Detected	12422.7	Detected	12998.4	Detected	Sarnp	1.167996549	1.1162659	0.9637225	0.9210392
A_51_P2801	33214.6	Detected	31414.1	Detected	37212	Detected	38794.5	Detected	Sf3b2	1.1679954	1.12035069	1.23493909	1.1845636
A_55_P2023	2971.3	Detected	2886.9	Detected	3072.6	Detected	3470.4	Detected	Impg1	1.167973614	1.03409282	1.20211992	1.0643251
A_51_P1528	7583.6	Detected	8298.7	Detected	7678.7	Detected	8857.4	Detected	Trim24	1.16796772	1.01254022	1.0673238	0.9252895
A_52_P5394	3065	Detected	3340.9	Detected	3667.7	Detected	3579.7	Detected	Gtf2h3	1.167928222	1.19663948	1.07147775	1.097818
A_55_P2007	244287.4	Detected	294149.3	Detected	277022.8	Detected	285291.3	Detected	Gm8709	1.167851064	1.13400364	0.96988604	0.9417762
A_55_P2012	354100.1	Detected	388091.7	Detected	364355.4	Detected	413531.8	Detected	Ldha	1.167838699	1.02896158	1.06555178	0.9388384
A_52_P1909	8120.6	Detected	13020.1	Detected	7543.7	Detected	9483.3	Detected	Vcl	1.167807797	0.92895845	0.72835846	0.5793888
A_55_P2106	1711.6	Detected	1857	Detected	1857.5	Detected	1998.8	Detected	Wnt1	1.167796214	1.08524188	1.07635972	1.0002693
A_55_P2185	64.4	Detected	63.5	Detected	69.5	Detected	75.2	Detected	Tmem28	1.167701863	1.07919255	1.18425197	1.0944882
A_52_P6449	589.2	Detected	533.9	Detected	551.4	Detected	688	Detected	Zbtb39	1.167684997	0.93584521	1.28863083	1.0327777
A_55_P2112	4828.4	Detected	3313.7	Detected	5670.6	Detected	5638	Detected	Nudt16l1	1.167674592	1.17442631	1.70142137	1.7112593

A_52_P1404	537.4 Detected	511.3 Detected	511.2 Detected	627.5 Detected	Golga3	1.167659099	0.95124674	1.22726384	0.9998044
A_55_P2233	36.4 Detected	33.4 Detected	39.9 Detected	42.5 Not Detect	2700022O18Rik	1.167582418	1.09615385	1.27245509	1.1946108
A_55_P1962	1769.2 Detected	1791.2 Detected	1755.4 Detected	2065.3 Detected	Adam11	1.16736378	0.99219986	1.1530259	0.9800134
A_52_P1253	241.5 Detected	79.1 Detected	153.9 Detected	281.9 Detected	Rbp2	1.167287785	0.63726708	3.56384324	1.9456384
A_51_P3897	2447 Detected	2162.1 Detected	1780.6 Detected	2856.3 Detected	Phlpp2	1.16726604	0.72766653	1.32107673	0.8235512
A_51_P4223	176.4 Detected	184.2 Detected	177.4 Detected	205.9 Detected	Zfp420	1.16723356	1.00566893	1.11780673	0.9630836
A_55_P2298	1194.8 Detected	1541.2 Detected	958.8 Detected	1394.6 Detected	Whsc111	1.16722464	0.8024774	0.90487931	0.6221126
A_51_P1510	65.2 Detected	47.4 Detected	46.3 Detected	76.1 Detected	Tnp1	1.167177914	0.7101227	1.60548523	0.9767932
A_52_P4951	685 Detected	798.7 Detected	725.9 Detected	799.5 Detected	Rrnad1	1.167153285	1.05970803	1.00100163	0.9088519
A_51_P1109	37.1 Detected	42.8 Detected	35 Detected	43.3 Not Detect	1700010D01Rik	1.167115903	0.94339623	1.01168224	0.817757
A_55_P1986	620.7 Detected	472.5 Detected	872.8 Detected	724.4 Detected	Olf1319	1.167069438	1.40615434	1.53312169	1.8471958
A_51_P2505	46.1 Detected	34.4 Detected	23.3 Detected	53.8 Detected	Kcnj14	1.1670282	0.50542299	1.56395349	0.6773256
A_55_P2037	73605.1 Detected	93958.1 Detected	89696.4 Detected	85889.7 Detected	Gm6921	1.166898761	1.21861664	0.91412768	0.9546425
A_51_P1339	174.4 Detected	136.5 Detected	101.3 Detected	203.5 Detected	Lmln	1.166857798	0.58084862	1.49084249	0.7421245
A_52_P3101	555.2 Detected	440 Detected	557.1 Detected	647.8 Detected	4922501C03Rik	1.166786744	1.00342219	1.47227273	1.2661364
A_55_P2035	289 Detected	281.8 Detected	306.4 Detected	337.2 Detected	Cep89	1.166782007	1.06020761	1.19659333	1.087296
A_55_P2036	146.3 Detected	160.7 Detected	130.3 Detected	170.7 Detected	Gm13547	1.166780588	0.89063568	1.06222775	0.8108276
A_55_P2052	70281.2 Detected	57022.6 Detected	62711.8 Detected	82002.7 Detected	Gdi2	1.166780021	0.89229837	1.43807368	1.099771
A_52_P1179	1157.3 Detected	1201.7 Detected	1257.4 Detected	1350.3 Detected	Selt	1.166767476	1.08649443	1.12365815	1.046351
A_55_P2025	3145.7 Detected	3228.5 Detected	3470.9 Detected	3670.1 Detected	Fanci	1.166703754	1.10337922	1.13678179	1.0750813
A_52_P2333	6134 Detected	7170.1 Detected	6209.5 Detected	7156.4 Detected	Pphln1	1.166677535	1.01230844	0.99808929	0.866027
A_55_P2101	32185.8 Detected	32899 Detected	43076.5 Detected	37550.3 Detected	Mrps25	1.166672881	1.33836972	1.1413812	1.3093559
A_55_P2111	28.8 Detected	27.2 Detected	42.4 Detected	33.6 Not Detect	1700001C02Rik	1.166666667	1.47222222	1.23529412	1.5588235
A_52_P2850	9 Not Detect	152.2 Detected	3.7 Not Detect	10.5 Not Detect	Sertad4	1.166666667	0.41111111	0.06898817	0.0243101
A_55_P1966	24.6 Detected	58.9 Detected	22.1 Detected	28.7 Not Detect	LnX1	1.166666667	0.89837398	0.48726655	0.3752122
A_55_P2175	272.5 Detected	238.4 Detected	207 Detected	317.9 Detected	Zfp467	1.166605505	0.75963303	1.33347315	0.8682886
A_55_P2143	228.1 Detected	218.2 Detected	229.7 Detected	266.1 Detected	Hrh4	1.166593599	1.00701447	1.21952337	1.0527039
A_55_P2005	197.7 Detected	207.2 Detected	238.5 Detected	230.6 Detected	Cntf	1.166413758	1.20637329	1.11293436	1.1510618
A_51_P2144	4529.8 Detected	3080.5 Detected	3939 Detected	5283.3 Detected	Tead1	1.166342885	0.86957482	1.71507872	1.2786885
A_55_P2023	147.9 Detected	151.9 Detected	147.7 Detected	172.5 Detected	Miox	1.1663286	0.99864773	1.13561554	0.9723502
A_52_P6108	744.2 Detected	753.7 Detected	567.7 Detected	867.9 Detected	Hexdc	1.166218758	0.76283257	1.15151917	0.7532175
A_51_P5193	1801.5 Detected	1497.2 Detected	1609.5 Detected	2100.8 Detected	Agtppb1	1.166139328	0.89342215	1.40315255	1.0750067
A_55_P2144	147.5 Detected	181.4 Detected	143.9 Detected	172 Detected	Gm10869	1.166101695	0.97559322	0.94818082	0.7932745
A_55_P2170	4240.1 Detected	4236.7 Detected	3702.2 Detected	4944.3 Detected	Cdca8	1.166080989	0.87313978	1.16701678	0.8738405
A_55_P2107	1037.1 Detected	1196 Detected	1251.2 Detected	1209.3 Detected	Ttll1	1.166039919	1.20644104	1.0111204	1.0461538
A_55_P2111	7750 Detected	7770.3 Detected	6314.2 Detected	9036.8 Detected	Pafah1b1	1.16603871	0.81473548	1.16299242	0.812607
A_52_P3170	793.8 Detected	740.2 Detected	943.3 Detected	925.6 Detected	Edem2	1.166036785	1.18833459	1.25047285	1.2743853
A_55_P1954	2236.6 Detected	1875.5 Detected	2261.1 Detected	2607.9 Detected	Il17rc	1.166010909	1.01095413	1.3905092	1.2055985
A_55_P1965	92.2 Detected	116.5 Detected	57.1 Detected	107.5 Detected	Wdr19	1.165943601	0.61930586	0.92274678	0.4901288
A_55_P2143	176472.4 Detected	192927 Detected	177066.7 Detected	205756.4 Detected	LOC100505283	1.165940963	1.00336767	1.06649873	0.9177912

A_52_P2126	2046	Detected	1914.1	Detected	2012.5	Detected	2385.5	Detected	Lrrk1	1.165933529	0.98362659	1.24627762	1.051408
A_52_P1948	51850.2	Detected	51371.6	Detected	64216.5	Detected	60451.7	Detected	Zfp706	1.165891356	1.23850053	1.1767533	1.2500389
A_55_P1960	5582.5	Detected	5893.2	Detected	5478.3	Detected	6508.1	Detected	Med7	1.165803851	0.98133453	1.1043406	0.9295968
A_55_P2181	203.3	Detected	133	Detected	191.3	Detected	237	Detected	Pydc3	1.165764879	0.94097393	1.78195489	1.4383459
A_51_P1035	36.8	Detected	35.2	Detected	28.8	Detected	42.9	Not Detect	Cacna1s	1.16576087	0.7826087	1.21875	0.8181818
A_51_P2498	5680.2	Detected	6377.2	Detected	6411.4	Detected	6621.7	Detected	Snrnp48	1.165751206	1.12872786	1.03833971	1.0053629
A_51_P1775	74564.2	Detected	87991.8	Detected	91343.3	Detected	86921.4	Detected	Ndufb9	1.165725643	1.2250289	0.98783523	1.0380888
A_51_P1603	24137.7	Detected	19197.8	Detected	21610.3	Detected	28137.9	Detected	Cenpv	1.165724158	0.89529243	1.46568357	1.1256654
A_55_P2106	1278.7	Detected	980.1	Detected	935.6	Detected	1490.6	Detected	Slc9a2	1.165715179	0.73168061	1.52086522	0.9545965
A_55_P2108	17.5	Detected	25.4	Detected	25.2	Detected	20.4	Not Detect	Epb4.1l4b	1.165714286	1.44	0.80314961	0.992126
A_52_P1445	118.3	Detected	82	Detected	94.5	Detected	137.9	Detected	Atxn1	1.165680473	0.79881657	1.68170732	1.152439
A_51_P5107	16.9	Detected	14.1	Not Detect	12.2	Not Detect	19.7	Not Detect	Agmo	1.165680473	0.72189349	1.39716312	0.8652482
A_55_P2134	33.2	Detected	37.3	Detected	34.5	Detected	38.7	Not Detect	Rgs9bp	1.165662651	1.03915663	1.03753351	0.924933
A_55_P2158	282844.9	Detected	346687.5	Detected	296605.2	Detected	329693.3	Detected	Rpl18a	1.165632826	1.04864963	0.95098122	0.8555405
A_55_P2134	30.8	Detected	31.6	Detected	35.2	Detected	35.9	Not Detect	Brsk2	1.165584416	1.14285714	1.13607595	1.1139241
A_52_P5893	105.7	Detected	92.8	Detected	104	Detected	123.2	Detected	Doc2a	1.165562914	0.98391675	1.32758621	1.1206897
A_55_P2393	2470.6	Detected	2267	Detected	2154.6	Detected	2879.5	Detected	6430584L05Rik	1.165506355	0.87209585	1.27018086	0.9504191
A_52_P3991	293.2	Detected	333.4	Detected	344.7	Detected	341.7	Detected	Tmem138	1.165416098	1.17564802	1.02489502	1.0338932
A_55_P2037	339.8	Detected	346.5	Detected	380.2	Detected	396	Detected	Tyw1	1.165391407	1.11889347	1.14285714	1.0972583
A_55_P1958	5708.4	Detected	5246	Detected	4685.9	Detected	6652.1	Detected	Mospd1	1.165317777	0.820878	1.26803279	0.8932329
A_55_P2131	24251.5	Detected	25030.3	Detected	26122.1	Detected	28260.6	Detected	Ybx1	1.165313486	1.07713337	1.12905558	1.0436191
A_66_P1093	15148.2	Detected	18558.6	Detected	11989	Detected	17651.4	Detected	Snapc2	1.165247356	0.79144717	0.951117	0.6460078
A_51_P4655	790.4	Detected	853.8	Detected	939.9	Detected	921	Detected	Hdhd3	1.165232794	1.18914474	1.07870696	1.1008433
A_55_P1992	6593.5	Detected	6778	Detected	5914.2	Detected	7682.6	Detected	Nudc	1.165177827	0.89697429	1.1334612	0.8725583
A_51_P2854	37912.9	Detected	33262.7	Detected	38424.9	Detected	44174.3	Detected	Lig1	1.165152231	1.01350464	1.32804312	1.1551949
A_55_P1952	21.8	Detected	23.9	Detected	23.8	Detected	25.4	Not Detect	Olf417	1.165137615	1.09174312	1.06276151	0.9958159
A_55_P2002	830.5	Detected	1090.1	Detected	923.3	Detected	967.6	Detected	Wdr89	1.165081276	1.11173992	0.88762499	0.8469865
A_55_P1961	353.9	Detected	264.6	Detected	266.1	Detected	412.3	Detected	Gm17778	1.165018367	0.75190732	1.55820106	1.0056689
A_51_P2721	5975	Detected	5213	Detected	6385.6	Detected	6960.7	Detected	Emc9	1.164970711	1.06871967	1.33525801	1.2249377
A_55_P2086	38.8	Detected	59.8	Detected	26.1	Detected	45.2	Not Detect	Gm5590	1.164948454	0.67268041	0.75585284	0.4364548
A_55_P2048	26882.3	Detected	34520.5	Detected	21221.8	Detected	31313.9	Detected	Cbfb	1.164851966	0.78943394	0.90711027	0.6147593
A_51_P1901	46611.6	Detected	60149.4	Detected	42247.7	Detected	54292.6	Detected	Mcm5	1.164787306	0.90637738	0.90262912	0.7023794
A_55_P2078	25866.5	Detected	27044.1	Detected	27392.7	Detected	30128.5	Detected	1810022K09Rik	1.164769103	1.05900296	1.11405075	1.0128901
A_55_P2141	1855.7	Detected	1705.7	Detected	1840.4	Detected	2161.4	Detected	AU022252	1.164735679	0.99175513	1.26716304	1.0789705
A_55_P1980	94.1	Detected	100.2	Detected	109.4	Detected	109.6	Detected	Gm5901	1.164718385	1.16259299	1.09381238	1.0918164
A_52_P9941	40691.2	Detected	44097.5	Detected	66795.6	Detected	47393.7	Detected	Itm2b	1.164716204	1.64152446	1.074748	1.5147253
A_51_P2601	2660.7	Detected	3867.8	Detected	4130.9	Detected	3098.8	Detected	Gstm5	1.164655918	1.55256136	0.80117896	1.0680232
A_52_P2310	74.1	Detected	69.6	Detected	97.4	Detected	86.3	Detected	Carf	1.164642375	1.31443995	1.23994253	1.3994253
A_51_P2173	6875.3	Detected	5178.8	Detected	5808.6	Detected	8007.2	Detected	Scamp1	1.164632816	0.84485041	1.54614969	1.1216112
A_51_P4155	3300.8	Detected	3093.1	Detected	3201.1	Detected	3844.1	Detected	Tmem39a	1.164596461	0.9697952	1.24279849	1.0349164

A_55_P2021	13669.2	Detected	16284	Detected	12272.4	Detected	15918.8	Detected	Sun2	1.164574372	0.89781406	0.97757308	0.7536478
A_51_P3653	134.9	Detected	128.5	Detected	105.9	Detected	157.1	Detected	Best2	1.164566345	0.78502595	1.22256809	0.8241245
A_51_P3097	609.1	Detected	862.1	Detected	883	Detected	709.3	Detected	Gpr89	1.164505007	1.44967986	0.82275838	1.0242431
A_51_P3231	114.9	Detected	149.7	Detected	93.1	Detected	133.8	Detected	Mfsd8	1.164490862	0.8102698	0.89378758	0.6219105
A_55_P2165	80.9	Detected	62.1	Detected	89.8	Detected	94.2	Detected	Olf9	1.164400494	1.11001236	1.51690821	1.4460548
A_66_P1163	925.5	Detected	668.7	Detected	598.8	Detected	1077.6	Detected	Tlcd2	1.164343598	0.64700162	1.61148497	0.8954688
A_55_P2081	144.9	Detected	94.9	Detected	137	Detected	168.7	Detected	Gpr27	1.164251208	0.94547964	1.7776607	1.4436249
A_55_P1959	41738.7	Detected	35237.5	Detected	48586.5	Detected	48592.8	Detected	Rbm42	1.164214506	1.16406357	1.37900816	1.3788294
A_51_P1798	5795.2	Detected	4842.5	Detected	4504.2	Detected	6746.7	Detected	Prkx	1.164187604	0.77722943	1.39322664	0.9301394
A_55_P2094	319671.8	Detected	351415.3	Detected	303432	Detected	372145.8	Detected	Phyhd1	1.164149606	0.94919852	1.05899146	0.863457
A_51_P4168	37762.2	Detected	45137.8	Detected	49429	Detected	43958.9	Detected	Nedd8	1.16409796	1.30895446	0.9738822	1.0950689
A_55_P1955	434	Detected	408.7	Detected	363.6	Detected	505.2	Detected	Ifitm7	1.1640553	0.83778802	1.23611451	0.8896501
A_55_P2043	38272.8	Detected	29187.6	Detected	40659.6	Detected	44551.6	Detected	Tfg	1.164053845	1.06236283	1.52638792	1.3930436
A_55_P2001	5417.3	Detected	5736.5	Detected	6169.1	Detected	6305.4	Detected	Pydc3	1.163937755	1.13877762	1.09917197	1.0754118
A_55_P2101	77.5	Detected	82.7	Detected	77.1	Detected	90.2	Detected	Apitd1	1.163870968	0.99483871	1.09068924	0.9322854
A_55_P1961	3714.4	Detected	5639.8	Detected	3425.7	Detected	4323	Detected	Dcc	1.163848805	0.92227547	0.76651654	0.6074152
A_52_P1128	4828.6	Detected	4195.2	Detected	3745.4	Detected	5619.4	Detected	Atp6v1h	1.163774179	0.77566997	1.33948322	0.8927822
A_55_P2155	777.3	Detected	720.4	Detected	640.7	Detected	904.6	Detected	Klc1	1.163772031	0.82426348	1.25569128	0.889367
A_55_P2102	13999	Detected	14026.9	Detected	11910.7	Detected	16291	Detected	Rdh12	1.16372598	0.85082506	1.16141129	0.8491327
A_52_P6003	102	Detected	67.8	Detected	100	Detected	118.7	Detected	Slc25a46	1.16372549	0.98039216	1.75073746	1.4749263
A_51_P3576	23462.1	Detected	19438.8	Detected	24963.6	Detected	27300.3	Detected	Hras1	1.163591494	1.06399683	1.40442311	1.2842151
A_51_P4798	10878.9	Detected	12397.5	Detected	12304.4	Detected	12658.2	Detected	Cpsf3	1.163555139	1.13103347	1.02102843	0.9924904
A_55_P1955	105.8	Detected	112.5	Detected	99.8	Detected	123.1	Detected	Gm1715	1.163516068	0.94328922	1.09422222	0.8871111
A_55_P2028	83.8	Detected	75.7	Detected	86.9	Detected	97.5	Detected	Lrrc36	1.163484487	1.03699284	1.28797886	1.1479524
A_55_P2120	20415.8	Detected	22309.7	Detected	21155.4	Detected	23753	Detected	Snrpa1	1.163461633	1.03622684	1.06469383	0.9482602
A_52_P5369	188.5	Detected	218.9	Detected	196.5	Detected	219.3	Detected	Satb2	1.163395225	1.04244032	1.00182732	0.8976702
A_52_P4941	828.4	Detected	869.4	Detected	791.2	Detected	963.7	Detected	Gatad2b	1.163326895	0.95509416	1.10846561	0.9100529
A_51_P1442	797.1	Detected	628.8	Detected	934	Detected	927.2	Detected	Ubr1	1.16321666	1.17174758	1.47455471	1.485369
A_55_P2039	949.1	Detected	403.1	Detected	860.3	Detected	1104	Detected	Nfkbiz	1.163207249	0.90643768	2.7387745	2.1342099
A_55_P2000	148.9	Detected	150.3	Detected	122.5	Detected	173.2	Detected	Cryba4	1.163196776	0.8226998	1.15236194	0.8150366
A_55_P2111	131.2	Detected	122.6	Detected	132.4	Detected	152.6	Detected	9230113P08Rik	1.163109756	1.00914634	1.24469821	1.0799347
A_52_P5847	3201.1	Detected	4207.5	Detected	2874.3	Detected	3723.2	Detected	Tmem199	1.163100184	0.89791009	0.88489602	0.6831373
A_51_P3595	209.7	Detected	159.9	Detected	86.1	Detected	243.9	Detected	Ifit3	1.163090129	0.41058655	1.52532833	0.5384615
A_51_P3021	1920	Detected	2222.4	Detected	2035.8	Detected	2232.9	Detected	Cfl2	1.16296875	1.0603125	1.00472462	0.9160367
A_55_P2039	7642.5	Detected	8005.8	Detected	8341.6	Detected	8887.8	Detected	Timmdc1	1.162944063	1.0914753	1.11017013	1.0419446
A_55_P1979	440.7	Detected	390.8	Detected	451.8	Detected	512.5	Detected	Spop	1.162922623	1.0251872	1.31141249	1.1560901
A_55_P2010	5840.2	Detected	4515.1	Detected	5922.4	Detected	6791.4	Detected	Unk	1.162871135	1.01407486	1.50415273	1.3116874
A_55_P2125	25.8	Detected	10.4	Not Detect	18.6	Detected	30	Not Detect	Faah	1.162790698	0.72093023	2.88461538	1.7884615
A_55_P1981	2450.7	Detected	3782.3	Detected	2356	Detected	2849.6	Detected	Rhox8	1.162769821	0.96135798	0.75340401	0.6229014
A_51_P1973	65642.2	Detected	64524.5	Detected	60756.8	Detected	76323.9	Detected	CltA	1.162726112	0.92557532	1.18286697	0.9416082

A_55_P2257	20.9	Detected	15.4	Not Detect	18.5	Detected	24.3	Not Detect	4930455D15Rik	1.162679426	0.88516746	1.57792208	1.2012987
A_51_P2708	1094.9	Detected	977.1	Detected	1400.5	Detected	1273	Detected	1700056E22Rik	1.162663257	1.27911225	1.30283492	1.4333231
A_51_P3969	2716.6	Detected	1991	Detected	2711.7	Detected	3158.4	Detected	Zfyve21	1.162629758	0.99819627	1.58633852	1.3619789
A_52_P6472	28.9	Detected	36.2	Detected	17.8	Detected	33.6	Not Detect	Asb3	1.162629758	0.61591696	0.9281768	0.4917127
A_55_P2065	1418.8	Detected	1380.3	Detected	1462.4	Detected	1649.5	Detected	Krtap19-5	1.162602199	1.03073019	1.19503007	1.0594798
A_51_P3500	16946.9	Detected	18966.9	Detected	14956.9	Detected	19701.8	Detected	Ndel1	1.162560704	0.88257439	1.03874645	0.7885791
A_55_P2344	28.3	Detected	23	Detected	14	Not Detect	32.9	Not Detect	E330037G11Rik	1.16254417	0.49469965	1.43043478	0.6086957
A_55_P2014	355.6	Detected	397.1	Detected	521.7	Detected	413.4	Detected	1700092M07Rik	1.162542182	1.46709786	1.0410476	1.3137749
A_51_P3407	28834.7	Detected	28460.8	Detected	33173.5	Detected	33519.4	Detected	Prpf31	1.162467444	1.15047148	1.17773921	1.1655856
A_66_P1043	1816.5	Detected	2214.4	Detected	1877.7	Detected	2111.6	Detected	Atxn7l2	1.162455271	1.03369116	0.95357659	0.8479498
A_55_P1958	17250.6	Detected	21000.7	Detected	20472.8	Detected	20049.6	Detected	Stoml2	1.162255226	1.18678771	0.95471103	0.9748627
A_55_P2144	486.3	Detected	420.7	Detected	582.1	Detected	565.2	Detected	C130074G19Rik	1.162245527	1.19699774	1.34347516	1.3836463
A_51_P1955	4400.5	Detected	4273	Detected	4042.7	Detected	5114.4	Detected	Dnmt1	1.162231565	0.91869106	1.19691084	0.9461034
A_55_P2187	1178.2	Detected	1107.6	Detected	1493.9	Detected	1369.3	Detected	Cep55	1.162196571	1.26795111	1.23627663	1.3487721
A_55_P2063	3839.4	Detected	3600.5	Detected	3198.6	Detected	4462.1	Detected	Piga	1.1621868	0.83309892	1.2393001	0.8883766
A_52_P7812	4590.4	Detected	4388.7	Detected	4867.5	Detected	5334.9	Detected	Dcaf12	1.162186302	1.06036511	1.21559915	1.1090984
A_55_P2123	59.2	Detected	54.3	Detected	63.7	Detected	68.8	Detected	Arid3b	1.162162162	1.07601351	1.26703499	1.1731123
A_55_P2026	2755.1	Detected	2727.6	Detected	2520.4	Detected	3201.8	Detected	Dlec1	1.162135676	0.91481253	1.17385247	0.9240358
A_55_P2126	40880.3	Detected	43689.9	Detected	50852.2	Detected	47506.9	Detected	Mrps21	1.162097636	1.24392923	1.08736573	1.1639349
A_52_P6764	574.4	Detected	526.7	Detected	421.3	Detected	667.5	Detected	Lpgat1	1.162082173	0.733461	1.26732485	0.7998861
A_55_P2178	1526.2	Detected	1510.9	Detected	1578.5	Detected	1773.5	Detected	U2surp	1.16203643	1.03426812	1.17380369	1.0447415
A_52_P5030	230.2	Detected	232.8	Detected	212.5	Detected	267.5	Detected	Ube2k	1.162033015	0.92311034	1.14905498	0.9128007
A_51_P1545	3505	Detected	2851.2	Detected	3934.5	Detected	4072.4	Detected	Bloc1s5	1.161883024	1.12253923	1.42831089	1.3799453
A_55_P2034	41667.4	Detected	43118.6	Detected	43581.8	Detected	48411.5	Detected	Elavl1	1.161855551	1.04594479	1.12275213	1.0107425
A_55_P2093	331.3	Detected	325.5	Detected	179.6	Detected	384.9	Detected	Arhgef19	1.1617869	0.54210685	1.18248848	0.5517665
A_66_P1115	13.6	Not Detect	13.5	Not Detect	17.7	Detected	15.8	Not Detect	V1ra8	1.161764706	1.30147059	1.17037037	1.3111111
A_55_P2114	2773	Detected	3538.3	Detected	2631.6	Detected	3221.5	Detected	Gcm1	1.16173819	0.94900829	0.91046548	0.743747
A_55_P2140	7513.5	Detected	6842.5	Detected	4124.4	Detected	8728.7	Detected	Tinagl1	1.161735543	0.54893192	1.27565948	0.6027621
A_52_P5804	6393.2	Detected	4700.4	Detected	6135.3	Detected	7427	Detected	Arpc5	1.16170306	0.95966026	1.58007829	1.3052719
A_55_P2041	56261.2	Detected	38152.9	Detected	54406	Detected	65358.2	Detected	Mid1ip1	1.16169225	0.96702523	1.71305982	1.4259991
A_66_P1087	5891.3	Detected	6949.7	Detected	5877.4	Detected	6843	Detected	Rad1	1.161543293	0.99764059	0.98464682	0.8457056
A_66_P1175	107.1	Detected	106	Detected	108.2	Detected	124.4	Detected	Gm5535	1.161531279	1.01027077	1.17358491	1.0207547
A_55_P2134	15101.3	Detected	18237.8	Detected	11954.5	Detected	17540.2	Detected	Amfr	1.161502652	0.79162059	0.96174977	0.6554793
A_51_P1904	5466.8	Detected	4256.1	Detected	5079.7	Detected	6349.7	Detected	Ccdc181	1.161502158	0.92919075	1.49190574	1.1935105
A_51_P1160	15494.8	Detected	13249.9	Detected	16734.7	Detected	17996.7	Detected	Med27	1.161467073	1.08002039	1.35825176	1.2630058
A_51_P1733	4171.8	Detected	4017	Detected	4336.8	Detected	4845.4	Detected	Tada1	1.161465075	1.03955127	1.20622355	1.0796117
A_52_P5472	7500.6	Detected	6995.1	Detected	9111.3	Detected	8711.4	Detected	Tomm70a	1.161427086	1.21474282	1.24535746	1.3025261
A_55_P2024	783.7	Detected	1083.7	Detected	896.7	Detected	910.2	Detected	Rsbm1	1.161413806	1.14418783	0.83990034	0.827443
A_55_P2102	113094.9	Detected	118192.2	Detected	147710.7	Detected	131348.9	Detected	Gm4130	1.161404272	1.30607746	1.11131614	1.24975
A_55_P2117	60.1	Detected	56.4	Detected	44.6	Detected	69.8	Detected	Cep63	1.161397671	0.74209651	1.23758865	0.7907801

A_51_P5113	542.8	Detected	663.8	Detected	462.4	Detected	630.4	Detected	D3Ertd254e	1.161385409	0.85187915	0.94968364	0.6965954
A_52_P5352	2719.6	Detected	2586.9	Detected	2688.9	Detected	3158.5	Detected	Syf2	1.161384027	0.98871158	1.22095945	1.0394294
A_55_P2067	23845.2	Detected	23217.7	Detected	27716.8	Detected	27693.4	Detected	Iqsec3	1.161382584	1.16236391	1.19277103	1.1937789
A_66_P1117	211991.6	Detected	204200	Detected	216819.8	Detected	246203.3	Detected	Pgk1	1.161382338	1.02277543	1.20569687	1.0618012
A_52_P5427	36166.5	Detected	33567.1	Detected	35064.9	Detected	42001.1	Detected	2610507B11Rik	1.161326089	0.96954087	1.25125793	1.0446211
A_55_P2018	65.1	Detected	56.5	Detected	53.5	Detected	75.6	Detected	Prpf31	1.161290323	0.8218126	1.3380531	0.9469027
A_51_P1148	1064.5	Detected	943	Detected	224.1	Detected	1236.1	Detected	H1fx	1.161202442	0.21052137	1.31081654	0.2376458
A_55_P1955	14.9	Not Detect	100.7	Detected	4.3	Not Detect	17.3	Not Detect	Grb10	1.161073826	0.2885906	0.17179742	0.0427011
A_52_P6566	35.4	Detected	27.6	Detected	48	Detected	41.1	Not Detect	Actn3	1.161016949	1.3559322	1.48913043	1.7391304
A_52_P1804	10279.8	Detected	12312.4	Detected	11141.9	Detected	11934.4	Detected	Bcas2	1.160956439	1.0838635	0.96929924	0.9049332
A_65_P1786	1072.6	Detected	1068.4	Detected	968.2	Detected	1245.2	Detected	Vma21	1.160917397	0.90266642	1.16548109	0.9062149
A_51_P1557	23	Detected	30.8	Detected	17.8	Not Detect	26.7	Not Detect	Pld6	1.160869565	0.77391304	0.86688312	0.5779221
A_55_P2007	60.3	Detected	72.5	Detected	76.7	Detected	70	Detected	Micu3	1.160862355	1.27197347	0.96551724	1.057931
A_55_P2036	5307.3	Detected	4351	Detected	5691.2	Detected	6161	Detected	Mbd2	1.160853918	1.07233433	1.41599632	1.3080211
A_55_P2003	328.3	Detected	404.1	Detected	237.9	Detected	381.1	Detected	Atrnl1	1.160828511	0.7246421	0.9430834	0.5887157
A_55_P1962	986.5	Detected	832.2	Detected	844.9	Detected	1145.1	Detected	Pigg	1.1607704	0.85646224	1.37599135	1.0152608
A_55_P2105	22503.6	Detected	17153.6	Detected	15171.6	Detected	26121.4	Detected	Trim47	1.160765389	0.67418546	1.52279405	0.8844557
A_55_P2065	131.3	Detected	101.1	Detected	97.3	Detected	152.4	Detected	Snx29	1.160700685	0.74105103	1.5074184	0.9624135
A_52_P5782	516.2	Detected	485.9	Detected	524.7	Detected	599.1	Detected	Tank	1.160596668	1.01646649	1.23296975	1.0798518
A_52_P3014	1400.5	Detected	1096.8	Detected	1278	Detected	1625.4	Detected	Vamp2	1.160585505	0.91253124	1.48194748	1.1652079
A_55_P2236	538.1	Detected	695	Detected	375.3	Detected	624.5	Detected	A430103D13Rik	1.160564951	0.697454	0.89856115	0.54
A_51_P3271	908.9	Detected	825.2	Detected	1000.6	Detected	1054.8	Detected	Senp1	1.16052371	1.10089119	1.27823558	1.2125545
A_66_P1174	2970	Detected	2975.7	Detected	3347.2	Detected	3446.7	Detected	Capza1	1.160505051	1.12700337	1.15828208	1.1248446
A_55_P1997	8.1	Not Detect	12.3	Not Detect	18.9	Detected	9.4	Not Detect	Slc6a18	1.160493827	2.33333333	0.76422764	1.5365854
A_51_P3145	23221.7	Detected	17125.4	Detected	29536.9	Detected	26948.5	Detected	Smim11	1.16048782	1.27195253	1.57359828	1.7247422
A_55_P2197	1181.8	Detected	1187.2	Detected	1353.4	Detected	1371.4	Detected	1500016L03Rik	1.160433237	1.14520223	1.15515499	1.1399933
A_52_P4814	2580.5	Detected	2974.3	Detected	2143.9	Detected	2994.4	Detected	Cttnbp2nl	1.160395272	0.83080798	1.00675789	0.7208083
A_52_P1522	2560.7	Detected	1871.5	Detected	2373.2	Detected	2971.2	Detected	Gabpa	1.160307728	0.92677783	1.58760353	1.2680737
A_55_P2007	1501.9	Detected	1408.6	Detected	1294.1	Detected	1742.6	Detected	Scgb1b3	1.160263666	0.86164192	1.23711487	0.9187136
A_51_P2440	4476.6	Detected	2333.8	Detected	5974.3	Detected	5194	Detected	Snapc5	1.160255551	1.33456194	2.22555489	2.5599023
A_55_P2157	51.2	Detected	53.3	Detected	39.7	Detected	59.4	Detected	Gm10866	1.16015625	0.77539063	1.11444653	0.7448405
A_66_P1216	1290.7	Detected	1320.5	Detected	1254.4	Detected	1497.4	Detected	Pcgf1	1.160145657	0.97187573	1.13396441	0.9499432
A_55_P2173	30.6	Detected	22.1	Detected	20.6	Detected	35.5	Not Detect	Nfasc	1.160130719	0.67320261	1.60633484	0.9321267
A_55_P1985	149.3	Detected	131.3	Detected	138.8	Detected	173.2	Detected	Shisa7	1.160080375	0.9296718	1.31911653	1.0571211
A_51_P3581	4746.8	Detected	4197.1	Detected	5237.3	Detected	5506.4	Detected	Fads1	1.160023595	1.10333277	1.31195349	1.2478378
A_55_P2173	638.1	Detected	640.8	Detected	520.7	Detected	740.2	Detected	1700097N02Rik	1.160006269	0.8160163	1.1551186	0.812578
A_55_P2156	65	Detected	85	Detected	58.3	Detected	75.4	Detected	Slc10a7	1.16	0.89692308	0.88705882	0.6858824
A_55_P2006	3612.4	Detected	3330.8	Detected	3441.7	Detected	4190.3	Detected	Bmp1	1.159976747	0.9527461	1.25804612	1.0332953
A_55_P2106	5262.1	Detected	2733.2	Detected	7162.1	Detected	6103.9	Detected	Adcy9	1.159974155	1.36107258	2.23324309	2.6204083
A_55_P2027	837.1	Detected	819.1	Detected	878	Detected	971	Detected	Nfx1	1.159956994	1.04885916	1.18544744	1.0719082

A_55_P2074	5403.7	Detected	5416.9	Detected	7229.3	Detected	6267	Detected	Sdhaf2	1.159760905	1.33784259	1.15693478	1.3345825
A_55_P1982	351664.3	Detected	415100	Detected	383910.7	Detected	407845.9	Detected	H2afz	1.159759179	1.09169654	0.98252445	0.9248632
A_51_P2392	1090	Detected	926.8	Detected	1228.3	Detected	1264.1	Detected	Bcl2l12	1.159724771	1.12688073	1.36394044	1.3253129
A_55_P2012	11.9	Not Detect	8	Not Detect	21.1	Detected	13.8	Not Detect	Tceal7	1.159663866	1.77310924	1.725	2.6375
A_55_P1985	402.1	Detected	280	Detected	480.6	Detected	466.3	Detected	C2cd3	1.159661776	1.19522507	1.66535714	1.7164286
A_55_P2046	1891.8	Detected	1883.9	Detected	2425.3	Detected	2193.8	Detected	Gata5	1.159636325	1.28200655	1.16449918	1.2873826
A_55_P2013	25178.9	Detected	17902.4	Detected	27930.6	Detected	29197.4	Detected	Napa	1.159597917	1.10928595	1.63092099	1.5601595
A_55_P2055	774.8	Detected	617.7	Detected	633.5	Detected	898.4	Detected	Arid4a	1.159525039	0.81763036	1.45442772	1.0255788
A_55_P1955	37	Detected	35.4	Detected	35.2	Detected	42.9	Not Detect	2810021J22Rik	1.159459459	0.95135135	1.21186441	0.9943503
A_51_P2167	3500.2	Detected	3443.2	Detected	3644.6	Detected	4058.2	Detected	Eogt	1.159419462	1.04125479	1.17861292	1.0584921
A_55_P1965	12847.9	Detected	12327.9	Detected	10188.3	Detected	14896	Detected	Crebbp	1.159411266	0.79299341	1.2083161	0.8264425
A_52_P4631	132305.2	Detected	137194.5	Detected	156669.2	Detected	153396.1	Detected	Cdc37	1.159410968	1.18414998	1.1180922	1.1419496
A_55_P1973	8756.7	Detected	7900.8	Detected	10894.7	Detected	10152.1	Detected	Haus5	1.159352267	1.2441559	1.28494583	1.3789363
A_55_P2120	40.8	Detected	19.2	Detected	26.4	Detected	47.3	Detected	Vsig10l	1.159313725	0.64705882	2.46354167	1.375
A_55_P1990	6875.2	Detected	6618	Detected	7231.3	Detected	7970.3	Detected	R3hdm1	1.159282639	1.05179486	1.20433666	1.0926715
A_55_P2057	1334.9	Detected	655.6	Detected	1330.5	Detected	1547.5	Detected	Cpt1a	1.159262866	0.99670387	2.36043319	2.0294387
A_55_P1973	32192.9	Detected	40370.8	Detected	42410.7	Detected	37318.8	Detected	Htra2	1.15922455	1.31739297	0.9244008	1.0505291
A_55_P2033	20.1	Detected	23.4	Detected	21.1	Detected	23.3	Not Detect	Nkain2	1.15920398	1.04975124	0.9957265	0.9017094
A_66_P1039	1751.5	Detected	1622.3	Detected	1359	Detected	2030.3	Detected	Bbs7	1.159177848	0.77590637	1.25149479	0.8376996
A_55_P1992	4958.1	Detected	4116.4	Detected	5479.5	Detected	5747.2	Detected	Kdelr1	1.159153708	1.10516125	1.39617141	1.3311389
A_51_P3204	10443.7	Detected	9054.6	Detected	10585.1	Detected	12105.7	Detected	Rab24	1.159139002	1.01353926	1.33696685	1.1690301
A_55_P1994	1473.6	Detected	1203.6	Detected	2127.3	Detected	1708.1	Detected	Mkl1	1.159134093	1.44360749	1.41915919	1.7674477
A_55_P2062	806.9	Detected	863.6	Detected	747.9	Detected	935.3	Detected	Zfp941	1.159127525	0.92688065	1.08302455	0.8660259
A_55_P2094	11557	Detected	11689.4	Detected	13445.9	Detected	13395.7	Detected	Kdr	1.159098382	1.16344207	1.14596985	1.1502643
A_51_P1438	2528	Detected	1933	Detected	2619.7	Detected	2930.1	Detected	Tmem42	1.159058544	1.03627373	1.51583032	1.3552509
A_51_P3278	34197	Detected	31299.2	Detected	41842.6	Detected	39636.3	Detected	Ppib	1.159057812	1.22357517	1.26636783	1.3368585
A_51_P1098	24614.4	Detected	22071.8	Detected	31954.7	Detected	28528.5	Detected	Uqcrc1	1.159016673	1.29821162	1.29253165	1.4477614
A_55_P2183	504.6	Detected	521.3	Detected	451.5	Detected	584.8	Detected	Mknk1	1.158937772	0.89476813	1.12181086	0.866104
A_51_P2782	85.6	Detected	78.9	Detected	96.7	Detected	99.2	Detected	Hinfp	1.158878505	1.1296729	1.25728771	1.225602
A_55_P2115	2357.2	Detected	2427.4	Detected	2405.4	Detected	2731.5	Detected	Sike1	1.15879009	1.02044799	1.12527808	0.9909368
A_55_P2064	548.6	Detected	416.9	Detected	465.3	Detected	635.7	Detected	Anks1	1.158767773	0.84815895	1.5248261	1.116095
A_55_P1961	3260.9	Detected	3235.4	Detected	3440.2	Detected	3778.5	Detected	Tmem194	1.158729185	1.05498482	1.16786178	1.0632997
A_55_P2064	33825.5	Detected	33448.3	Detected	29103.6	Detected	39194.3	Detected	Cnot6	1.158720492	0.86040413	1.1717875	0.870107
A_51_P3695	16702.6	Detected	11134.7	Detected	19438.9	Detected	19350.7	Detected	Nudt16l1	1.158544179	1.16382479	1.73787349	1.7457947
A_55_P2079	100.3	Detected	111.2	Detected	108.6	Detected	116.2	Detected	Gm14340	1.158524427	1.08275174	1.04496403	0.9766187
A_55_P1983	2559.4	Detected	2522	Detected	2408.7	Detected	2964.9	Detected	Tdrd3	1.158435571	0.94111901	1.17561459	0.9550753
A_52_P4674	310.7	Detected	354.2	Detected	465.4	Detected	359.9	Detected	Dffb	1.158352108	1.49790795	1.0160926	1.3139469
A_55_P1973	104.2	Detected	118.2	Detected	125.1	Detected	120.7	Detected	Ksr1	1.158349328	1.20057582	1.02115059	1.0583756
A_55_P1991	124137.7	Detected	145550.8	Detected	127673.5	Detected	143779.6	Detected	Rpl13	1.158226711	1.02848289	0.98783105	0.8771748
A_55_P2072	763.5	Detected	793.8	Detected	785.5	Detected	884.3	Detected	Kansl1	1.15821873	1.02881467	1.11400857	0.989544

A_51_P3263	6874.3	Detected	5917	Detected	7295.6	Detected	7961.7	Detected	Gapvd1	1.158183379	1.06128624	1.34556363	1.2329897
A_55_P2071	10357	Detected	12799.3	Detected	9440.6	Detected	11995	Detected	Rnf126	1.158153906	0.91151878	0.93716063	0.7375872
A_51_P1555	120.8	Detected	129.4	Detected	129.3	Detected	139.9	Detected	Klk1b8	1.158112583	1.07036424	1.08114374	0.9992272
A_66_P1137	679.9	Detected	430.9	Detected	839.8	Detected	787.4	Detected	Acvr2a	1.158111487	1.23518164	1.82733813	1.9489441
A_52_P6280	40015.5	Detected	39883.7	Detected	48501.9	Detected	46341.3	Detected	Cdca3	1.158083743	1.21207782	1.16191076	1.2160833
A_51_P1672	187.3	Detected	174.4	Detected	346.7	Detected	216.9	Detected	Chi3l3	1.158035238	1.85104111	1.24369266	1.9879587
A_55_P2003	4671.3	Detected	4683.7	Detected	5767.2	Detected	5409.1	Detected	Clint1	1.157943185	1.23460279	1.15487755	1.2313342
A_55_P2000	50758.2	Detected	43734.7	Detected	53795.1	Detected	58771	Detected	Arpc5	1.157862178	1.05983073	1.34380709	1.2300324
A_51_P1204	6220.9	Detected	6349.9	Detected	6013.1	Detected	7202.3	Detected	Mina	1.157758524	0.96659647	1.13423833	0.9469598
A_51_P4607	6712.8	Detected	5437.2	Detected	9308.1	Detected	7771.4	Detected	Prkcd	1.157698725	1.38661959	1.42930185	1.7119289
A_51_P3711	34491.5	Detected	29726.8	Detected	32511	Detected	39930.6	Detected	Cops4	1.157693925	0.94258006	1.34325255	1.0936596
A_51_P1480	3515.1	Detected	3542.4	Detected	2263.5	Detected	4069.4	Detected	Sh3pxd2b	1.157691104	0.64393616	1.1487692	0.6389736
A_55_P1970	34.9	Detected	24.4	Detected	27.6	Detected	40.4	Not Detect	Slc16a14	1.157593123	0.79083095	1.6557377	1.1311475
A_52_P3105	2380.9	Detected	3460.3	Detected	2466.5	Detected	2755.9	Detected	Rbfox2	1.157503465	1.03595279	0.79643384	0.7127995
A_55_P1978	636.2	Detected	574.3	Detected	528.5	Detected	736.3	Detected	Obp1a	1.157340459	0.83071361	1.28208254	0.9202507
A_52_P2243	612.9	Detected	624.6	Detected	638.4	Detected	709.3	Detected	Ubox5	1.157285038	1.04160548	1.13560679	1.0220941
A_55_P2045	19653.2	Detected	11325.9	Detected	17626.2	Detected	22743.6	Detected	Mgrn1	1.157246657	0.89686158	2.00810532	1.5562737
A_55_P2077	936.3	Detected	878	Detected	1337.9	Detected	1083.5	Detected	Malt1	1.157214568	1.42892235	1.23405467	1.5238041
A_52_P5099	14	Detected	12	Not Detect	19.6	Detected	16.2	Not Detect	Ager	1.157142857	1.4	1.35	1.6333333
A_55_P2206	141.3	Detected	168.7	Detected	125.2	Detected	163.5	Detected	LOC627096	1.157112527	0.88605803	0.96917605	0.7421458
A_55_P1989	438	Detected	596.5	Detected	384.6	Detected	506.8	Detected	Gcm1	1.157077626	0.87808219	0.8496228	0.6447611
A_55_P2288	23.6	Detected	19.2	Detected	19.7	Detected	27.3	Not Detect	AI852580	1.156779661	0.83474576	1.421875	1.0260417
A_55_P2132	97	Detected	86.9	Detected	74.8	Detected	112.2	Detected	1600023N17Rik	1.156701031	0.77113402	1.29113924	0.8607595
A_51_P4093	38.3	Detected	35.4	Detected	29.5	Detected	44.3	Not Detect	Bpifb6	1.156657963	0.77023499	1.25141243	0.8333333
A_52_P8078	24.9	Detected	24	Detected	12.2	Not Detect	28.8	Not Detect	A630038E17Rik	1.156626506	0.48995984	1.2	0.5083333
A_55_P2178	70.9	Detected	50.2	Detected	65.5	Detected	82	Detected	Gja5	1.156558533	0.92383639	1.63346614	1.3047809
A_55_P1967	14421.4	Detected	11070.8	Detected	12244.7	Detected	16678	Detected	Ppp1r9b	1.156475793	0.84906458	1.50648553	1.1060357
A_66_P1289	234.6	Detected	308.4	Detected	116.5	Detected	271.3	Detected	Gm6306	1.156436488	0.49658994	0.87970169	0.3777562
A_55_P2157	13004.9	Detected	13315.6	Detected	16960.6	Detected	15038.6	Detected	Srsf5	1.156379518	1.30416997	1.1293971	1.2737391
A_52_P4030	299.3	Detected	230	Detected	267.1	Detected	346.1	Detected	Xrn1	1.156364851	0.89241564	1.50478261	1.1613043
A_52_P3518	2377.1	Detected	3296.2	Detected	1956.8	Detected	2748.6	Detected	Itgb1	1.156282866	0.82318792	0.8338693	0.5936533
A_55_P1986	396.9	Detected	395.9	Detected	335.2	Detected	458.9	Detected	Gm19668	1.156210632	0.84454523	1.15913109	0.8466785
A_51_P1628	36.5	Detected	51.2	Detected	41.5	Detected	42.2	Not Detect	4933405L10Rik	1.156164384	1.1369863	0.82421875	0.8105469
A_52_P2739	14123	Detected	13832.8	Detected	16876.5	Detected	16328.4	Detected	Mrpl17	1.156156624	1.19496566	1.18041177	1.220035
A_55_P2200	9143.5	Detected	8568.7	Detected	9977.1	Detected	10571.1	Detected	4733401D01Rik	1.156132772	1.09116859	1.23368772	1.1643657
A_52_P5170	13934.3	Detected	15741.6	Detected	15401.9	Detected	16109.9	Detected	Rpf1	1.156132708	1.10532284	1.02339661	0.9784202
A_55_P2113	23025.7	Detected	25756.3	Detected	23826.7	Detected	26620	Detected	Snrpa1	1.156099489	1.03478722	1.03353354	0.9250824
A_51_P4833	3358.7	Detected	3752.5	Detected	3414	Detected	3882.8	Detected	Rnaseh1	1.156042516	1.0164647	1.03472352	0.9097935
A_55_P2017	50423.6	Detected	52812.6	Detected	66636.9	Detected	58290.8	Detected	Rpsa	1.15602218	1.3215419	1.10372903	1.2617614
A_51_P3667	46.8	Detected	60.4	Detected	48.2	Detected	54.1	Detected	Rims1	1.155982906	1.02991453	0.89569536	0.7980132

A_55_P2082	2483.7	Detected	2615.8	Detected	3122.7	Detected	2871.1	Detected	Wars	1.15597697	1.25727745	1.0975992	1.1937839
A_51_P1320	717	Detected	595.5	Detected	777.3	Detected	828.8	Detected	Rsl1	1.155927476	1.08410042	1.39177162	1.3052897
A_52_P5737	225.9	Detected	267.4	Detected	195.7	Detected	261.1	Detected	Rrm2b	1.15582116	0.86631253	0.97643979	0.7318624
A_51_P3724	21921.2	Detected	25092.4	Detected	21284.8	Detected	25334.3	Detected	Fxr1	1.155698593	0.97096874	1.00964037	0.8482568
A_55_P2082	10484.5	Detected	11587.3	Detected	11252.4	Detected	12116.7	Detected	Irak2	1.155677429	1.07324145	1.04568795	0.9710977
A_51_P1343	14672.6	Detected	16849.2	Detected	19427	Detected	16956.7	Detected	Pfdn5	1.155671115	1.32403255	1.00638012	1.1529924
A_65_P2068	898.1	Detected	872	Detected	1115.2	Detected	1037.9	Detected	Gm1070	1.155661953	1.24173255	1.19025229	1.2788991
A_51_P1564	7731.8	Detected	7324.7	Detected	6744.9	Detected	8935	Detected	Slc25a33	1.155617062	0.87235831	1.21984518	0.9208432
A_55_P2388	23.8	Detected	14.1	Not Detect	13.2	Not Detect	27.5	Not Detect	C430019N01Rik	1.155462185	0.55462185	1.95035461	0.9361702
A_55_P1957	216.8	Detected	179.4	Detected	181.4	Detected	250.5	Detected	D14ErtD670e	1.155442804	0.83671587	1.39632107	1.0111483
A_55_P2166	4850.8	Detected	4868	Detected	6826.1	Detected	5604	Detected	1700011J10Rik	1.155273357	1.40721118	1.15119145	1.4022391
A_52_P1013	843.8	Detected	1022.3	Detected	1130.8	Detected	974.8	Detected	Sap18	1.155250059	1.34012799	0.95353614	1.1061332
A_55_P2022	21776.5	Detected	19858.8	Detected	17667.7	Detected	25154.4	Detected	Cdk11b	1.155116754	0.81131954	1.26666264	0.889666
A_55_P2173	50.3	Detected	66.4	Detected	59.9	Detected	58.1	Detected	A230070E04Rik	1.155069583	1.19085487	0.875	0.9021084
A_51_P2651	1432.5	Detected	1769.6	Detected	1607.8	Detected	1654.6	Detected	Dlat	1.15504363	1.12237347	0.93501356	0.9085669
A_51_P2367	354.1	Detected	331.3	Detected	300.2	Detected	409	Detected	Dlx6as2	1.155040949	0.84778311	1.23453064	0.9061274
A_55_P2059	245.8	Detected	175.7	Detected	380.5	Detected	283.9	Detected	Ppip5k2	1.155004068	1.54800651	1.61582242	2.1656232
A_55_P1973	4301.4	Detected	4463.3	Detected	5284.9	Detected	4967.9	Detected	Pex11b	1.154949551	1.22864649	1.11305536	1.184079
A_51_P2451	7.1	Not Detect	7.3	Not Detect	375.8	Detected	8.2	Not Detect	Gdf2	1.154929577	52.9295775	1.12328767	51.479452
A_51_P4165	52254.9	Detected	82012.8	Detected	62447.4	Detected	60350.5	Detected	Ssr3	1.154925184	1.19505348	0.73586684	0.7614348
A_51_P5132	1491.9	Detected	1156.7	Detected	1346.6	Detected	1723	Detected	Cep164	1.154903144	0.90260741	1.48958243	1.1641739
A_55_P1989	1406.4	Detected	1458.3	Detected	1608.2	Detected	1624.2	Detected	Mynn	1.154863481	1.14348692	1.1137626	1.1027909
A_55_P2110	137.7	Detected	144.9	Detected	136.3	Detected	159	Detected	Flrt1	1.154684096	0.98983297	1.09730849	0.9406487
A_55_P2307	83.4	Detected	90.1	Detected	50.4	Detected	96.3	Detected	D130051D11Rik	1.154676259	0.60431655	1.06881243	0.5593785
A_52_P2367	100.9	Detected	65.3	Detected	300	Detected	116.5	Detected	Setd3	1.154608523	2.97324083	1.78407351	4.5941807
A_55_P2150	4125.7	Detected	3933.3	Detected	3910.3	Detected	4763.5	Detected	E030030I06Rik	1.154591948	0.94779068	1.21106959	0.9941525
A_55_P2018	4515	Detected	3979.9	Detected	4279.7	Detected	5211.9	Detected	Snx27	1.154352159	0.94788483	1.30955552	1.0753285
A_51_P3359	154046	Detected	134114.9	Detected	181844.7	Detected	177815	Detected	Cox5a	1.154298067	1.18045714	1.32584075	1.3558874
A_51_P3461	20020.9	Detected	22344.8	Detected	22999.4	Detected	23109.4	Detected	Sgta	1.154263794	1.14876954	1.03421825	1.0292954
A_55_P2002	9556.9	Detected	10529.9	Detected	14384.9	Detected	11031	Detected	Sumo3	1.154244577	1.50518474	1.0475883	1.3661003
A_55_P1974	4355.1	Detected	4687.3	Detected	4881.4	Detected	5026.7	Detected	Surf6	1.154210007	1.12084682	1.07240842	1.0414098
A_52_P1108	784.8	Detected	946.3	Detected	1977.5	Detected	905.8	Detected	Ggcx	1.154179409	2.51975025	0.95720173	2.0897178
A_52_P4077	39331.2	Detected	44918	Detected	40340.3	Detected	45391.4	Detected	Mdh1	1.154081238	1.02565648	1.0105392	0.8980876
A_55_P1955	16240	Detected	15178.6	Detected	12970.6	Detected	18741.8	Detected	Ap5z1	1.154051724	0.79868227	1.23475156	0.854532
A_52_P5901	1915.7	Detected	1922.8	Detected	2010.8	Detected	2210.7	Detected	Saal1	1.153990708	1.04964243	1.14972956	1.0457666
A_55_P2181	348.8	Detected	403.9	Detected	374.1	Detected	402.5	Detected	Cd164I2	1.153956422	1.0725344	0.9965338	0.9262194
A_66_P1404	7957.4	Detected	10857.1	Detected	7995.4	Detected	9182.3	Detected	D8ErtD738e	1.153932189	1.00477543	0.8457415	0.7364213
A_55_P2163	1325.5	Detected	1200.8	Detected	1396.6	Detected	1529.5	Detected	Foxm1	1.153904187	1.05364014	1.27373418	1.163058
A_55_P2283	314.5	Detected	260.6	Detected	340.5	Detected	362.9	Detected	Maz	1.153895072	1.08267091	1.39255564	1.3066002
A_55_P2033	283230.3	Detected	314842.5	Detected	278609.9	Detected	326811.7	Detected	Gm5528	1.153872661	0.98368677	1.03801647	0.8849183

A_55_P1987	23.4 Detected	19.8 Detected	15.1 Not Detect	27 Not Detect	Pla2g4d	1.153846154	0.64529915	1.36363636	0.7626263
A_51_P1250	7.8 Not Detect	13.2 Not Detect	39.7 Detected	9 Not Detect	Oxct2a	1.153846154	5.08974359	0.68181818	3.0075758
A_52_P5152	1046.1 Detected	1214.1 Detected	791.4 Detected	1207 Detected	1110051M20Rik	1.153809387	0.75652423	0.99415205	0.6518409
A_55_P1977	13938.1 Detected	14365.4 Detected	12760 Detected	16081.6 Detected	Epc2	1.153787102	0.91547628	1.11946761	0.8882454
A_51_P1839	13300.5 Detected	11115 Detected	14747.5 Detected	15345.6 Detected	Paf1	1.153761137	1.1087929	1.38062078	1.3268106
A_55_P1981	130.1 Detected	117.4 Detected	122.5 Detected	150.1 Detected	Hbb-bh2	1.153727902	0.9415834	1.27853492	1.0434412
A_55_P2274	34455.2 Detected	28474.3 Detected	20668.7 Detected	39750.6 Detected	Agap3	1.153689429	0.59987172	1.39601676	0.7258721
A_51_P3363	3194.2 Detected	4317.2 Detected	3262.8 Detected	3684.8 Detected	Tmem18	1.153590883	1.02147643	0.85351617	0.7557676
A_51_P1880	20977.2 Detected	17584.2 Detected	24444.6 Detected	24199 Detected	Dnajb11	1.153585798	1.16529375	1.37617861	1.3901457
A_55_P2182	747 Detected	741.6 Detected	823.3 Detected	861.7 Detected	Arl16	1.153547523	1.1021419	1.16194714	1.1101672
A_55_P1970	45.6 Detected	49.3 Detected	62.1 Detected	52.6 Detected	Il12rb2	1.153508772	1.36184211	1.06693712	1.2596349
A_55_P1965	14736.7 Detected	12618 Detected	14686.1 Detected	16998.8 Detected	Trnau1ap	1.153501123	0.9965664	1.34718656	1.1639008
A_55_P2006	215.7 Detected	173.3 Detected	217 Detected	248.8 Detected	Lyzl6	1.153453871	1.00602689	1.4356607	1.2521639
A_55_P1971	36.5 Detected	38.9 Detected	66 Detected	42.1 Not Detect	Cr2	1.153424658	1.80821918	1.08226221	1.6966581
A_51_P1636	2270.7 Detected	2341.3 Detected	1916.5 Detected	2619 Detected	Rufy1	1.153388823	0.84401286	1.11860932	0.8185623
A_51_P3951	4852.4 Detected	3609.2 Detected	7678.3 Detected	5596.7 Detected	Nme3	1.153388014	1.58237161	1.55067605	2.1274244
A_55_P2354	960.1 Detected	644.5 Detected	1557.8 Detected	1107.3 Detected	2610029K11Rik	1.153317363	1.62253932	1.71807603	2.4170675
A_55_P2117	6958.2 Detected	4360.5 Detected	6067 Detected	8024.8 Detected	Acap2	1.15328677	0.8719209	1.84033941	1.3913542
A_55_P2060	130.5 Detected	88.2 Detected	97 Detected	150.5 Detected	Krtap5-5	1.153256705	0.74329502	1.70634921	1.0997732
A_51_P4077	89.4 Detected	94 Detected	91.5 Detected	103.1 Detected	Srcap	1.153243848	1.02348993	1.09680851	0.9734043
A_55_P2086	75.7 Detected	64.3 Detected	83.8 Detected	87.3 Detected	Arhgap19	1.15323646	1.10700132	1.35769829	1.3032659
A_55_P1996	13566.8 Detected	12411.3 Detected	12130.9 Detected	15645.6 Detected	Pcgf5	1.153226995	0.89416075	1.26059317	0.9774077
A_51_P5106	1493.6 Detected	1545 Detected	1891.6 Detected	1722.4 Detected	Supt3	1.153186931	1.26647027	1.11482201	1.2243366
A_55_P2083	197.8 Detected	201.5 Detected	211.6 Detected	228.1 Detected	Rps6kc1	1.153185035	1.06976744	1.13200993	1.0501241
A_52_P1076	217.4 Detected	214.7 Detected	160.7 Detected	250.7 Detected	LOC101056632	1.153173873	0.73919043	1.16767583	0.7484863
A_55_P2083	249.4 Detected	253.2 Detected	196.3 Detected	287.6 Detected	Cyp4f18	1.153167602	0.78708901	1.13586098	0.7752765
A_55_P2105	19052.7 Detected	23362.8 Detected	20672 Detected	21968.7 Detected	Acin1	1.153049174	1.08499058	0.94032821	0.8848254
A_55_P1978	17702 Detected	19391 Detected	14317.3 Detected	20410.9 Detected	Dtx2	1.153027906	0.80879562	1.05259657	0.7383477
A_66_P1249	35925.3 Detected	34091.4 Detected	39620.7 Detected	41422.3 Detected	Pdcd5	1.153011944	1.10286344	1.21503664	1.1621905
A_51_P3439	19214.5 Detected	16881.9 Detected	18171.4 Detected	22154.3 Detected	Xrcc1	1.152999037	0.94571287	1.31231082	1.0763836
A_52_P7355	1807.7 Detected	1583.7 Detected	2024.7 Detected	2084.2 Detected	Gm7241	1.152956796	1.12004204	1.31603208	1.2784618
A_51_P1326	17 Detected	20 Detected	19.3 Detected	19.6 Not Detect	Alpl2	1.152941176	1.13529412	0.98	0.965
A_55_P2040	39123.7 Detected	37314.5 Detected	49138.9 Detected	45104.2 Detected	Bola2	1.152861309	1.25598806	1.20875799	1.3168849
A_55_P2174	511.8 Detected	701.1 Detected	505.7 Detected	590 Detected	Akap7	1.15279406	0.98808128	0.84153473	0.7212951
A_55_P2053	13138.1 Detected	9629.5 Detected	15584.4 Detected	15145.4 Detected	Poc1a	1.152784649	1.18619892	1.57281271	1.6184018
A_51_P3123	9771.5 Detected	10518.6 Detected	10495.5 Detected	11264.3 Detected	Mtbp	1.152770813	1.07409303	1.07089346	0.9978039
A_55_P2039	7883.3 Detected	6831.7 Detected	8225 Detected	9087.6 Detected	Wsb2	1.152765974	1.04334479	1.33021064	1.2039463
A_55_P2010	12983.5 Detected	13578.3 Detected	14635.9 Detected	14966.9 Detected	Surf6	1.152763122	1.12726923	1.10226612	1.077889
A_55_P2109	15670.8 Detected	13711.2 Detected	16954 Detected	18064.6 Detected	Gtf3c5	1.152755443	1.08188478	1.31750686	1.2365074
A_52_P4231	12941.3 Detected	14297.7 Detected	13046.4 Detected	14917.5 Detected	Arglu1	1.152704906	1.00812129	1.04334963	0.9124824

A_55_P1999	26.2 Detected	11.8 Not Detect	21.7 Detected	30.2 Not Detect	Gm10325	1.152671756	0.82824427	2.55932203	1.8389831	
A_52_P6791	3299.5 Detected	3290.7 Detected	3328.2 Detected	3803 Detected	Clk1	1.152598879	1.00869829	1.15568116	1.0113958	
A_55_P2044	13805.3 Detected	12673.2 Detected	12840 Detected	15911.8 Detected	Lst1	1.152586326	0.93007758	1.25554714	1.0131616	
A_55_P2101	57.7 Detected	47.9 Detected	46.4 Detected	66.5 Detected	Zfp112	1.152512998	0.80415945	1.38830898	0.9686848	
A_51_P2467	2452.2 Detected	1761.2 Detected	3376.3 Detected	2826 Detected	Sesn3	1.152434549	1.37684528	1.60458778	1.9170452	
A_52_P6279	970.8 Detected	1199.5 Detected	904.4 Detected	1118.6 Detected	Usp36	1.152245571	0.9316028	0.93255523	0.7539808	
A_55_P1971	481.5 Detected	433.8 Detected	496 Detected	554.7 Detected	Mdk	1.152024922	1.03011423	1.27869986	1.143384	
A_55_P1958	903.5 Detected	655.5 Detected	755.1 Detected	1040.8 Detected	Slc27a3	1.151964582	0.83574986	1.58779558	1.1519451	
A_51_P4774	3136.2 Detected	3142.5 Detected	3279.3 Detected	3612.6 Detected	Cnot10	1.151903578	1.04562847	1.14959427	1.0435322	
A_51_P5177	17944.2 Detected	16910.4 Detected	18527.7 Detected	20669.7 Detected	Clptm11	1.151887518	1.03251747	1.22230698	1.0956394	
A_55_P2075	27 Detected	30 Detected	28.3 Detected	31.1 Not Detect	Tnni3k	1.151851852	1.04814815	1.03666667	0.9433333	
A_55_P2119	14.5 Detected	13.2 Not Detect	8.7 Not Detect	16.7 Not Detect	Pfkfb4	1.151724138	0.6	1.26515152	0.6590909	
A_55_P2016	156.9 Detected	98.4 Detected	110.7 Detected	180.7 Detected	1700039I01Rik	1.151688974	0.70554493	1.83638211	1.125	
A_55_P2081	289463.3 Detected	336616.1 Detected	324947.9 Detected	333355.6 Detected	Gapdh	1.151633385	1.12258756	0.99031389	0.9653368	
A_55_P2020	27.7 Detected	20.6 Detected	34.5 Detected	31.9 Not Detect	Homez	1.151624549	1.24548736	1.54854369	1.6747573	
A_66_P1265	45566.3 Detected	60267.1 Detected	60016.7 Detected	52472.2 Detected	Phb2	1.151557182	1.31712911	0.87066078	0.9958452	
A_55_P2063	7131.9 Detected	7805.3 Detected	4151.8 Detected	8212.4 Detected	Dusp14	1.151502405	0.58214501	1.05215687	0.5319206	
A_66_P1162	3389.7 Detected	4378.8 Detected	3734.3 Detected	3903.1 Detected	Dusp16	1.151458831	1.10166091	0.89136293	0.8528136	
A_55_P2122	355.9 Detected	414.1 Detected	451.6 Detected	409.8 Detected	Top3a	1.151447036	1.26889576	0.98961603	1.0905578	
A_51_P2613	1521.7 Detected	1635 Detected	2046.2 Detected	1752 Detected	Spats2	1.151343892	1.34468029	1.07155963	1.2514985	
A_51_P3984	1554.9 Detected	1484.7 Detected	1397.1 Detected	1790.2 Detected	Kctd13	1.15132806	0.89851437	1.20576547	0.9409982	
A_51_P2483	334.1 Detected	352.4 Detected	423.6 Detected	384.6 Detected	Pcyox11	1.15115235	1.26788387	1.09137344	1.2020431	
A_55_P2148	530.7 Detected	493.5 Detected	416.8 Detected	610.9 Detected	Tsr2	1.151121161	0.7853778	1.2378926	0.8445795	
A_51_P3262	530.7 Detected	544 Detected	441.8 Detected	610.9 Detected	Ddx25	1.151121161	0.8324854	1.12297794	0.8121324	
A_55_P1986	33.1 Detected	32.5 Detected	32.9 Detected	38.1 Not Detect	Gm19402	1.151057402	0.9939577	1.17230769	1.0123077	
A_55_P2132	52.3 Detected	71.4 Detected	78.6 Detected	60.2 Detected	Gm14486	1.151051625	1.50286807	0.84313725	1.1008403	
A_55_P2327	1512.5 Detected	998.3 Detected	1598.3 Detected	1740.6 Detected	Ano6	1.150809917	1.05672727	1.74356406	1.6010217	
A_55_P2011	216010.4 Detected	232609.9 Detected	214436.9 Detected	248580.4 Detected	Rpl13	1.150779777	0.99271563	1.06865787	0.9218735	
A_52_P3677	2522.2 Detected	2485.4 Detected	3361.9 Detected	2902.3 Detected	Acads	1.150701768	1.33292364	1.1677396	1.3526595	
A_55_P1977	200.4 Detected	211.9 Detected	187.8 Detected	230.6 Detected	Oscar	1.150698603	0.93712575	1.08824917	0.8862671	
A_55_P2036	8287.8 Detected	9747 Detected	9245.3 Detected	9536.3 Detected	Hist2h2bb	1.150643114	1.11553126	0.97838309	0.9485278	
A_52_P1792	1100.8 Detected	1030.6 Detected	1142.4 Detected	1266.6 Detected	H2afy	1.150617733	1.0377907	1.22899282	1.1084805	
A_55_P2032	6355.9 Detected	6839.1 Detected	6542 Detected	7313 Detected	Trim24	1.150584496	1.02927988	1.06929274	0.9565586	
A_55_P2183	1436.7 Detected	1333.6 Detected	1768.7 Detected	1653 Detected	Spcs2	1.150553351	1.23108513	1.2395021	1.3262597	
A_55_P2173	290.3 Detected	278.8 Detected	271 Detected	334 Detected	Mroh5	1.15053393	0.93351705	1.19799139	0.972023	
A_55_P2108	2082.9 Detected	1942.3 Detected	2101.5 Detected	2396.4 Detected		2-Mar	1.150511306	1.00892986	1.23379499	1.0819647
A_52_P4297	3267.4 Detected	3025.3 Detected	3373.3 Detected	3759 Detected	Tmem115	1.15045602	1.03241109	1.2425214	1.1150299	
A_55_P2014	34508.8 Detected	40480.1 Detected	33416.5 Detected	39700.8 Detected	Gjb3	1.150454377	0.9683472	0.98074857	0.8255044	
A_55_P2076	33.9 Detected	48.1 Detected	43.5 Detected	39 Not Detect	Csn1s2b	1.150442478	1.28318584	0.81081081	0.9043659	
A_52_P4607	460.1 Detected	533.2 Detected	522.5 Detected	529.3 Detected	Rassf3	1.150402087	1.13562269	0.99268567	0.9799325	

A_52_P4925	2841.4	Detected	2064.2	Detected	3406.9	Detected	3268.7	Detected	Erbp2	1.150383614	1.19902161	1.58351904	1.6504699
A_52_P3620	10099.1	Detected	13062.6	Detected	12267.6	Detected	11616.4	Detected	Polr2e	1.150241111	1.2147221	0.88928697	0.9391392
A_55_P2120	1139.8	Detected	1138.4	Detected	1089.3	Detected	1311	Detected	Gm8587	1.15020179	0.95569398	1.1516163	0.9568693
A_51_P3494	60339.6	Detected	33951.2	Detected	53925.2	Detected	69402.5	Detected	Mboat1	1.150198211	0.89369502	2.04418401	1.588315
A_66_P1275	34008.3	Detected	35401.8	Detected	38832.9	Detected	39112.6	Detected	Nxf1	1.150089831	1.14186537	1.10481953	1.0969188
A_52_P3362	3188.3	Detected	2226.8	Detected	2390.4	Detected	3666.8	Detected	Rap2a	1.15007998	0.74974124	1.64666786	1.0734687
A_52_P5911	10573.4	Detected	8528.1	Detected	8777.2	Detected	12159.8	Detected	Dpysl2	1.150036885	0.83012087	1.42585101	1.0292093
A_55_P2090	54.7	Detected	49.4	Detected	49.4	Detected	62.9	Detected	Spred1	1.149908592	0.90310786	1.27327935	1
A_51_P4246	484.5	Detected	496	Detected	745.7	Detected	557.1	Detected	Sirt4	1.149845201	1.53911249	1.12318548	1.5034274
A_51_P3437	84.1	Detected	98.9	Detected	61.2	Detected	96.7	Detected	Slc39a2	1.149821641	0.72770511	0.97775531	0.6188069
A_55_P2008	329.1	Detected	317.3	Detected	346.5	Detected	378.4	Detected	Ubr2	1.149802492	1.05287147	1.19256224	1.0920265
A_51_P1090	6081.8	Detected	2990.5	Detected	8383.3	Detected	6992.8	Detected	Paqr4	1.14979118	1.37842415	2.33833807	2.8033105
A_55_P2157	652.6	Detected	883.6	Detected	711.3	Detected	750.3	Detected	Gm9156	1.149708857	1.0899479	0.84913988	0.8050023
A_55_P2149	14138.4	Detected	16353.5	Detected	12478	Detected	16254.7	Detected	Sh3bp5l	1.149684547	0.88256097	0.99395848	0.7630171
A_65_P0523	2899.6	Detected	2918.6	Detected	2558.8	Detected	3333.5	Detected	Knop1	1.14964133	0.88246655	1.1421572	0.8767217
A_55_P2142	1533	Detected	3064	Detected	846.5	Detected	1762.4	Detected	Echdc2	1.149641226	0.55218526	0.57519582	0.2762728
A_55_P2144	2809.4	Detected	2557.8	Detected	3079.3	Detected	3229.8	Detected	BC030476	1.149640493	1.09607034	1.26272578	1.2038862
A_51_P1124	6178.4	Detected	9068.3	Detected	7042.6	Detected	7102.4	Detected	Wdr3	1.149553282	1.1398744	0.78321185	0.7766174
A_51_P4109	1542.7	Detected	1586.2	Detected	1896.8	Detected	1773.4	Detected	Polr3g	1.149543009	1.22953264	1.1180179	1.1958139
A_51_P1815	916.5	Detected	752.6	Detected	681	Detected	1053.5	Detected	Brwd1	1.149481724	0.74304419	1.39981398	0.9048631
A_55_P2300	348.7	Detected	329.4	Detected	340.6	Detected	400.8	Detected	Tmprss11bnl	1.149412102	0.97677086	1.21675774	1.0340012
A_52_P4002	12153.9	Detected	10331.2	Detected	15833.1	Detected	13969.3	Detected	Ccs	1.149367693	1.30271765	1.35214689	1.5325519
A_51_P2239	1850	Detected	2032.1	Detected	1510.5	Detected	2126.2	Detected	Pds5b	1.149297297	0.81648649	1.04630678	0.7433197
A_55_P1991	80.4	Detected	65.6	Detected	64.2	Detected	92.4	Detected	Slc34a1	1.149253731	0.79850746	1.40853659	0.9786585
A_51_P2087	93.8	Detected	102.9	Detected	111.5	Detected	107.8	Detected	Gm7544	1.149253731	1.18869936	1.04761905	1.0835763
A_51_P1298	3820.4	Detected	3958.4	Detected	2288.2	Detected	4390.6	Detected	Atxn1l	1.149251387	0.59894252	1.10918553	0.5780618
A_55_P2117	98.5	Detected	101.8	Detected	98.3	Detected	113.2	Detected	Lhfp15	1.149238579	0.99796954	1.11198428	0.9656189
A_66_P1330	17602.1	Detected	14984.4	Detected	20685.2	Detected	20229	Detected	Mbd2	1.149237875	1.17515524	1.350004	1.380449
A_55_P2008	6432.5	Detected	5753.1	Detected	7073.5	Detected	7392.3	Detected	SrpX2	1.149211038	1.09965021	1.28492465	1.229511
A_55_P2133	16582.7	Detected	13683.7	Detected	18695.1	Detected	19056.6	Detected	Sipa1	1.149185597	1.12738577	1.39264965	1.3662314
A_51_P2071	12296.7	Detected	10402.3	Detected	15405.3	Detected	14129.8	Detected	1110008P14Rik	1.149072515	1.25279953	1.35833421	1.4809513
A_66_P1136	4070.1	Detected	3446.9	Detected	6824.1	Detected	4676.7	Detected	Tmem62	1.149038107	1.67664185	1.35678436	1.9797789
A_55_P1993	10544	Detected	13679	Detected	6300.2	Detected	12115.3	Detected	Gas8	1.149023141	0.59751517	0.88568609	0.4605746
A_55_P2040	39.6	Detected	51.1	Detected	35.9	Detected	45.5	Detected	Gm7337	1.148989899	0.90656566	0.89041096	0.702544
A_51_P4526	213.5	Detected	175.8	Detected	145.4	Detected	245.3	Detected	Pou5f2	1.148946136	0.68103044	1.39533561	0.8270762
A_55_P2177	208.2	Detected	154.7	Detected	205.1	Detected	239.2	Detected	Mast1	1.148895293	0.98511047	1.54621849	1.3257919
A_52_P4712	373.8	Detected	428.2	Detected	421.9	Detected	429.4	Detected	ErcC8	1.148742643	1.12867844	1.00280243	0.9852872
A_51_P1687	4997.6	Detected	4853.3	Detected	6423.1	Detected	5740.8	Detected	Xylb	1.148711381	1.28523691	1.18286527	1.32345
A_55_P2143	3303.8	Detected	1735.9	Detected	4082.3	Detected	3794.8	Detected	Etl4	1.148616744	1.23563775	2.18607063	2.3516908
A_55_P2013	57464.9	Detected	72197.7	Detected	51840	Detected	66003.9	Detected	Hmgb1	1.148595055	0.9021159	0.91421056	0.7180284

A_55_P2047	683.9	Detected	523.5	Detected	935.9	Detected	785.5	Detected	Capn5	1.148559731	1.36847492	1.50047755	1.7877746
A_51_P2316	47380.3	Detected	44414	Detected	54791.6	Detected	54418.7	Detected	Ik	1.148551191	1.15642155	1.22526005	1.2336561
A_52_P1424	204	Detected	224.9	Detected	157.3	Detected	234.3	Detected	5830409B07Rik	1.148529412	0.77107843	1.04179635	0.699422
A_55_P2041	25989.9	Detected	27208.5	Detected	23186.6	Detected	29849.8	Detected	Rbp3	1.148515385	0.89213887	1.09707628	0.8521822
A_55_P2053	373890.6	Detected	398455	Detected	358012.8	Detected	429419	Detected	Pirb	1.1485151	0.95753357	1.07771016	0.8985025
A_55_P1964	20107.2	Detected	25393.6	Detected	19928	Detected	23093.2	Detected	Slc35e4	1.148504018	0.99108777	0.90941025	0.7847647
A_55_P2066	175.1	Detected	166.4	Detected	166.3	Detected	201.1	Detected	Oprl1	1.148486579	0.949743	1.20853365	0.999399
A_51_P4779	4500.8	Detected	2317.6	Detected	3805.5	Detected	5169	Detected	Fbxw4	1.148462496	0.84551635	2.23032447	1.6420003
A_66_P1407	61.3	Detected	112.3	Detected	74.2	Detected	70.4	Detected	Gm10584	1.148450245	1.21044046	0.62689225	0.6607302
A_55_P2049	221	Detected	203.7	Detected	262.4	Detected	253.8	Detected	Zfp26	1.14841629	1.18733032	1.24594993	1.2881689
A_51_P4204	5451.8	Detected	4491.3	Detected	5054.2	Detected	6260.6	Detected	Srd5a1	1.148354672	0.92706996	1.39393939	1.1253312
A_55_P2183	20498.6	Detected	19110.1	Detected	22435.2	Detected	23539	Detected	Vwa3b	1.148322324	1.09447474	1.23175703	1.173997
A_51_P1504	2221.1	Detected	2380	Detected	2473.3	Detected	2550.4	Detected	Mkrn2	1.148259871	1.11354734	1.07159664	1.0392017
A_55_P2084	19203.7	Detected	19158	Detected	17805.8	Detected	22050.8	Detected	Acaca	1.148257888	0.92720674	1.15099697	0.9294185
A_52_P6353	161.9	Detected	91.6	Detected	171.3	Detected	185.9	Detected	Fes	1.148239654	1.05806053	2.02947598	1.8700873
A_51_P4388	1075.5	Detected	1366.4	Detected	1315.9	Detected	1234.9	Detected	Pmf1	1.148210135	1.22352394	0.90376171	0.9630416
A_55_P2071	13152.9	Detected	12534.5	Detected	17568.7	Detected	15102	Detected	Gm6195	1.148187852	1.33572824	1.20483466	1.4016275
A_55_P2091	44171.6	Detected	46484.9	Detected	36142.8	Detected	50716.5	Detected	ND4L	1.148169865	0.81823615	1.09103171	0.777517
A_55_P2007	152837.8	Detected	118652.5	Detected	190433.2	Detected	175480.6	Detected	Edf1	1.148149214	1.24598234	1.47894566	1.6049658
A_55_P1979	34337.8	Detected	26750.6	Detected	25132.1	Detected	39423.6	Detected	Rhoc	1.148110828	0.73190769	1.47374638	0.9394967
A_51_P1037	3167.1	Detected	2487.1	Detected	2883.8	Detected	3636	Detected	Ip6k1	1.148053424	0.91054908	1.46194363	1.159503
A_51_P4271	316.9	Detected	339	Detected	406.7	Detected	363.8	Detected	Lacc1	1.147996213	1.28337015	1.07315634	1.199705
A_51_P2268	66.9	Detected	64.4	Detected	72	Detected	76.8	Detected	Sh2d2a	1.147982063	1.07623318	1.19254658	1.1180124
A_55_P2023	42.6	Detected	50.2	Detected	36.5	Detected	48.9	Not Detect	Gm13084	1.147887324	0.85680751	0.97410359	0.7270916
A_55_P1970	28.4	Detected	36.3	Detected	41	Detected	32.6	Not Detect	Igsf9b	1.147887324	1.44366197	0.89807163	1.1294766
A_55_P2041	581.6	Detected	701.6	Detected	685.2	Detected	667.6	Detected	Zmym5	1.14786795	1.1781293	0.95153934	0.9766249
A_51_P3629	10520.4	Detected	11305.8	Detected	12153.8	Detected	12075.8	Detected	Mrps22	1.14784609	1.15526026	1.06810664	1.0750057
A_52_P1871	72527.1	Detected	79508.9	Detected	74923.5	Detected	83238.7	Detected	Ybx1	1.147691001	1.03304144	1.04691047	0.9423285
A_55_P2051	93836.1	Detected	113227.4	Detected	96350.3	Detected	107693.7	Detected	Sec61b	1.147678772	1.02679353	0.95112755	0.8509451
A_51_P2737	4363.5	Detected	4094.5	Detected	4154.4	Detected	5007.8	Detected	Exoc7	1.147656698	0.95207975	1.22305532	1.0146294
A_51_P2357	3187.8	Detected	4114.7	Detected	4307.4	Detected	3658.5	Detected	Tsfm	1.147656691	1.351214	0.88912922	1.0468321
A_55_P2008	40989.4	Detected	46296.6	Detected	45726.5	Detected	47037.3	Detected	Cdkn2a	1.147547903	1.1155689	1.01599902	0.9876859
A_55_P2039	17655.9	Detected	19024.7	Detected	19117.6	Detected	20260.1	Detected	Eed	1.147497437	1.08278819	1.06493664	1.0048831
A_52_P4427	4487.8	Detected	4057.1	Detected	3939	Detected	5149.6	Detected	Btf3l4	1.147466465	0.87771291	1.26928101	0.9708905
A_51_P4472	84.1	Detected	101.2	Detected	97	Detected	96.5	Detected	Fkbp14	1.14744352	1.15338882	0.95355731	0.958498
A_51_P3142	16151.8	Detected	26694.9	Detected	25233.7	Detected	18531.9	Detected	Tmem86a	1.147358189	1.56228408	0.69421125	0.945263
A_55_P2050	132.4	Detected	144.5	Detected	224.9	Detected	151.9	Detected	LOC100048452	1.147280967	1.69864048	1.05121107	1.5564014
A_55_P2133	6984	Detected	5775.4	Detected	7067.2	Detected	8012.6	Detected	Gapvd1	1.147279496	1.01191294	1.38736711	1.2236728
A_55_P2075	1631.7	Detected	1654.5	Detected	1676.8	Detected	1871.9	Detected	Nf1	1.147208433	1.02763988	1.13139921	1.0134784
A_55_P2037	1067.3	Detected	1012.2	Detected	1106.7	Detected	1224.4	Detected	Gm10427	1.147193854	1.03691558	1.20964236	1.093361

A_51_P1746	5152.4	Detected	5621.4	Detected	5545	Detected	5910.7	Detected	Asl	1.147174132	1.0761975	1.05146405	0.9864091
A_55_P1982	13952.5	Detected	17455.5	Detected	16224.1	Detected	16005.8	Detected	Llph	1.147163591	1.16280953	0.91694881	0.9294549
A_55_P1979	41267.2	Detected	55079.4	Detected	51717.7	Detected	47338.5	Detected	Eif3h	1.147121685	1.25323986	0.85945925	0.9389663
A_55_P1983	12703	Detected	12497.7	Detected	7655.4	Detected	14571.8	Detected	Mapk6	1.147114855	0.60264504	1.16595854	0.6125447
A_55_P1952	3875.3	Detected	3631.1	Detected	3188.9	Detected	4445.3	Detected	R3hdm2	1.147085387	0.82287823	1.22422957	0.8782187
A_52_P2405	29060.1	Detected	36334.4	Detected	44473.3	Detected	33334	Detected	Id2	1.14707107	1.53039047	0.91742261	1.2239998
A_55_P2066	1882.4	Detected	3221.6	Detected	398	Detected	2159.2	Detected	Ifi204	1.147046324	0.21143221	0.67022597	0.1235411
A_55_P2183	472	Detected	456.9	Detected	430.3	Detected	541.4	Detected	Snx11	1.147033898	0.91165254	1.184942	0.9417816
A_51_P1137	9684.1	Detected	11197.5	Detected	9859.8	Detected	11107.6	Detected	Fbxl14	1.146993525	1.01814314	0.99197142	0.8805358
A_55_P1962	36923.8	Detected	42888.9	Detected	38049.2	Detected	42349.7	Detected	Ssr1	1.146948581	1.03047899	0.98742798	0.8871573
A_55_P2038	1774.9	Detected	1792	Detected	2165.1	Detected	2035.7	Detected	Lancl2	1.146937856	1.21984337	1.1359933	1.2082031
A_66_P1063	9677.7	Detected	11694.7	Detected	12162.8	Detected	11099.6	Detected	Strap	1.146925406	1.25678622	0.9491137	1.0400267
A_55_P2198	437.3	Detected	402.3	Detected	421.4	Detected	501.5	Detected	4930506A18Rik	1.14680997	0.96364052	1.24658215	1.047477
A_65_P1043	1813.9	Detected	2504.1	Detected	2335.8	Detected	2080.1	Detected	Rpp14	1.146755609	1.28772259	0.83067769	0.9327902
A_55_P1986	1035.1	Detected	1439	Detected	1225.8	Detected	1187	Detected	Med23	1.146749106	1.18423341	0.82487839	0.8518416
A_55_P2070	31239.3	Detected	33581.7	Detected	39160.5	Detected	35822.6	Detected	Dus1l	1.146715836	1.25356522	1.0667298	1.1661262
A_55_P2020	33.4	Detected	31.5	Detected	27	Detected	38.3	Not Detect	Sfrp5	1.146706587	0.80838323	1.21587302	0.8571429
A_52_P1255	1585.8	Detected	1196.8	Detected	1615.4	Detected	1818.4	Detected	Rhod	1.146676756	1.01866566	1.51938503	1.349766
A_55_P2107	211.5	Detected	141.1	Detected	189.1	Detected	242.5	Detected	Samd10	1.146572104	0.89408983	1.71863926	1.3401843
A_52_P4787	682.7	Detected	604.7	Detected	650.3	Detected	782.7	Detected	Paxbp1	1.146477223	0.95254138	1.29436084	1.0754093
A_66_P1213	1035	Detected	1046.6	Detected	965.3	Detected	1186.6	Detected	LOC101055820	1.14647343	0.932657	1.13376648	0.9223199
A_55_P2027	5141.7	Detected	6191.8	Detected	6606.6	Detected	5894.8	Detected	Abhd17a	1.146469067	1.28490577	0.95203333	1.0669918
A_55_P2012	23751.1	Detected	21094.1	Detected	22791	Detected	27229.6	Detected	App	1.146456375	0.95957661	1.29086332	1.0804443
A_55_P1958	12551.1	Detected	11817.2	Detected	14492.8	Detected	14388.2	Detected	Map6	1.146369641	1.15470357	1.21756423	1.2264157
A_52_P7283	1619.2	Detected	1533	Detected	1397.8	Detected	1856.2	Detected	Sec23a	1.146368577	0.86326581	1.21082844	0.9118069
A_66_P1163	3375.9	Detected	2729.8	Detected	3571.4	Detected	3870	Detected	Kif5b	1.14636097	1.05791048	1.41768628	1.308301
A_55_P2121	49.2	Detected	46.1	Detected	31.4	Detected	56.4	Detected	Ano8	1.146341463	0.63821138	1.22342733	0.681128
A_55_P2133	5453.2	Detected	5433.6	Detected	7350.9	Detected	6251.1	Detected	Mmgt2	1.146317758	1.34799751	1.15045274	1.35286
A_55_P1956	370.7	Detected	314.3	Detected	351.9	Detected	424.9	Detected	Gm14431	1.146209873	0.94928514	1.3518931	1.1196309
A_55_P1962	26	Detected	25.8	Detected	73	Detected	29.8	Not Detect	Jhdm1d	1.146153846	2.80769231	1.15503876	2.8294574
A_52_P8877	3492.4	Detected	3307	Detected	4875.8	Detected	4002.8	Detected	Tor2a	1.146145917	1.39611728	1.21040218	1.4743877
A_55_P1957	6824.9	Detected	7660.5	Detected	6725	Detected	7822.1	Detected	Ak2	1.146112031	0.98536242	1.02109523	0.87788
A_52_P6571	1035.6	Detected	1145.8	Detected	800.3	Detected	1186.8	Detected	Spsb3	1.146002317	0.77278872	1.03578286	0.698464
A_52_P3814	4717.4	Detected	3664.3	Detected	4229.6	Detected	5405.6	Detected	Spon2	1.145885445	0.89659558	1.47520672	1.1542723
A_51_P4937	96	Detected	81.8	Detected	101.1	Detected	110	Detected	2810474C18Rik	1.145833333	1.053125	1.34474328	1.2359413
A_55_P1957	54889.4	Detected	61739.1	Detected	57516.3	Detected	62894.1	Detected	Ak2	1.145833257	1.04785806	1.01870776	0.9316025
A_55_P2065	160.5	Detected	236	Detected	185.5	Detected	183.9	Detected	Mrpl47	1.145794393	1.15576324	0.77923729	0.7860169
A_55_P2185	38983.3	Detected	33258	Detected	41279.8	Detected	44665.6	Detected	Il17rc	1.145762416	1.05890984	1.34300319	1.2411991
A_55_P2109	227.8	Detected	191	Detected	224.3	Detected	261	Detected	Trim6	1.145741879	0.98463565	1.36649215	1.1743455
A_52_P3910	1678.9	Detected	1739.5	Detected	2145.2	Detected	1923.4	Detected	Hinfp	1.145631068	1.27774138	1.10572003	1.2332279

A_51_P2753	10.3 Not Detect	13.9 Not Detect	22 Detected	11.8 Not Detect	Olfr1411	1.145631068	2.13592233	0.84892086	1.5827338
A_52_P3066	109.2 Detected	65.7 Detected	69.9 Detected	125.1 Detected	Dmd	1.145604396	0.64010989	1.90410959	1.0639269
A_55_P2168	57.7 Detected	61.2 Detected	62.5 Detected	66.1 Detected	A930017K11Rik	1.145580589	1.08318891	1.08006536	1.0212418
A_55_P2052	105.1 Detected	95.1 Detected	89.3 Detected	120.4 Detected	Ushbp1	1.145575642	0.84966698	1.26603575	0.9390116
A_55_P2065	59377.5 Detected	54534 Detected	51077.2 Detected	68021.2 Detected	9230110C19Rik	1.145571976	0.86021136	1.24731727	0.936612
A_55_P2111	6238.2 Detected	6736 Detected	5206.3 Detected	7146.2 Detected	Rcc2	1.145554807	0.83458369	1.06089667	0.7729068
A_52_P8517	69.4 Detected	85.6 Detected	80.8 Detected	79.5 Detected	Tlr3	1.145533141	1.16426513	0.92873832	0.9439252
A_51_P2439	118.9 Detected	162.3 Detected	111.9 Detected	136.2 Detected	Nell2	1.145500421	0.941127	0.83918669	0.689464
A_55_P2070	3203.2 Detected	3092.1 Detected	2974.2 Detected	3669.1 Detected	Taf7l	1.145448302	0.92850899	1.18660457	0.9618706
A_51_P4136	64155.2 Detected	68983 Detected	60108.7 Detected	73483.3 Detected	Mrpl20	1.14539897	0.93692639	1.06523781	0.8713553
A_55_P2185	152 Detected	173.7 Detected	185.5 Detected	174.1 Detected	Sirt4	1.145394737	1.22039474	1.00230282	1.0679332
A_51_P2586	3683.3 Detected	2841 Detected	3005.5 Detected	4218.8 Detected	Phf8	1.145385931	0.81598024	1.48497008	1.0579021
A_55_P2120	35146.3 Detected	26864.7 Detected	39814 Detected	40253.8 Detected	Ube2l3	1.145321129	1.13280772	1.49839008	1.4820192
A_55_P2025	223.8 Detected	194.4 Detected	242.9 Detected	256.3 Detected	Loxhd1	1.145218945	1.08534406	1.31841564	1.2494856
A_55_P2146	17983 Detected	16580.2 Detected	14711.8 Detected	20594.2 Detected	Chmp4b	1.145203804	0.81809487	1.24209599	0.8873114
A_55_P2233	251.5 Detected	282.8 Detected	356 Detected	288 Detected	Tmem260	1.145129225	1.41550696	1.01838755	1.2588402
A_55_P2039	38.6 Detected	35.1 Detected	45.8 Detected	44.2 Detected	Camp	1.14507772	1.1865285	1.25925926	1.3048433
A_51_P4505	3108.2 Detected	3506.9 Detected	3247.1 Detected	3559.1 Detected	Tagln	1.145067885	1.04468824	1.01488494	0.9259175
A_55_P2002	1333.7 Detected	1208.6 Detected	1103.3 Detected	1527.1 Detected	Ago2	1.145010122	0.82724751	1.26352805	0.9128744
A_51_P4715	2767.5 Detected	2084.9 Detected	3951.6 Detected	3168.7 Detected	Stk25	1.144968383	1.42785908	1.51983309	1.8953427
A_55_P2091	17514.7 Detected	18116.8 Detected	14940.7 Detected	20053.3 Detected	Srp54c	1.144941107	0.85303773	1.10688974	0.8246876
A_55_P2040	9620.1 Detected	11391.4 Detected	8542.5 Detected	11014.3 Detected	Map6d1	1.144925728	0.88798453	0.96689608	0.7499078
A_55_P1957	1656.3 Detected	1879.2 Detected	1866.7 Detected	1896.2 Detected	Inip	1.14484091	1.12703013	1.0090464	0.9933482
A_51_P1274	2302.7 Detected	1850.3 Detected	2547.1 Detected	2636.2 Detected	Ppp1r37	1.144829982	1.10613627	1.42474193	1.3765876
A_55_P2174	22.1 Detected	28.1 Detected	26.9 Detected	25.3 Not Detect	Olfr314	1.14479638	1.21719457	0.90035587	0.9572954
A_51_P3076	41895.1 Detected	45537.6 Detected	38803.4 Detected	47961 Detected	Gtf3a	1.144787815	0.92620378	1.05321756	0.8521178
A_55_P2152	4739.5 Detected	4488.2 Detected	4907.2 Detected	5425.5 Detected	2900040C04Rik	1.144741006	1.03538348	1.2088365	1.0933559
A_66_P1324	4510.3 Detected	5729.2 Detected	4382.9 Detected	5163.1 Detected	Gnpnat1	1.144735383	0.97175354	0.90119039	0.7650108
A_55_P2173	69.8 Detected	58.9 Detected	81.2 Detected	79.9 Detected	Tox2	1.14469914	1.16332378	1.3565365	1.3786078
A_52_P7452	742.5 Detected	599.5 Detected	780 Detected	849.9 Detected	Gm9734	1.144646465	1.05050505	1.4176814	1.3010842
A_55_P1960	36367.7 Detected	28574.1 Detected	45764.1 Detected	41627.4 Detected	EglN2	1.144625588	1.25837213	1.45682279	1.6015938
A_55_P1953	68.5 Detected	90.6 Detected	69.1 Detected	78.4 Detected	Nkx6-1	1.144525547	1.00875912	0.86534216	0.7626932
A_55_P2144	129.4 Detected	135.9 Detected	143.4 Detected	148.1 Detected	Bcl2l2	1.144513138	1.10819165	1.08977189	1.0551876
A_55_P2200	27 Detected	29.5 Detected	29.7 Detected	30.9 Not Detect	8030456M14Rik	1.144444444	1.1	1.04745763	1.0067797
A_52_P2290	1988.9 Detected	2393.3 Detected	1644.4 Detected	2276.1 Detected	Slc20a2	1.144401428	0.82678868	0.95102996	0.6870848
A_55_P2149	65.1 Detected	61.7 Detected	53 Detected	74.5 Detected	Abhd15	1.144393241	0.8141321	1.20745543	0.8589951
A_55_P2141	905.4 Detected	1239.1 Detected	949.1 Detected	1036.1 Detected	Gnpnat1	1.144356086	1.04826596	0.83617141	0.7659592
A_51_P5062	85.9 Detected	81.5 Detected	86.7 Detected	98.3 Detected	Cckbr	1.1443539	1.00931315	1.20613497	1.0638037
A_52_P3280	219421.2 Detected	244627.8 Detected	248553.8 Detected	251084.1 Detected	Atp5b	1.144301918	1.13277022	1.02639234	1.0160489
A_51_P1388	20.1 Detected	21 Detected	16.5 Not Detect	23 Not Detect	LOC101055924	1.144278607	0.82089552	1.0952381	0.7857143

A_55_P1981	18002.5	Detected	13527.1	Detected	21436.2	Detected	20599.5	Detected	Lamc1	1.144257742	1.19073462	1.52283194	1.5846856
A_55_P2159	211283.1	Detected	221111.4	Detected	208387.2	Detected	241757.3	Detected	Mfsd2b	1.144233969	0.98629375	1.0933733	0.9424534
A_55_P1953	20.8	Detected	23.9	Detected	15.9	Not Detect	23.8	Not Detect	Gm3893	1.144230769	0.76442308	0.9958159	0.665272
A_52_P8909	2177.6	Detected	2507.7	Detected	2247.8	Detected	2491.6	Detected	Nolc1	1.144195445	1.03223733	0.99357977	0.8963592
A_55_P2072	10688.1	Detected	9523.2	Detected	9849.6	Detected	12229.1	Detected	Ckmt1	1.14417904	0.92154826	1.28413768	1.0342742
A_51_P5127	1272.9	Detected	1002.8	Detected	1367.8	Detected	1456.4	Detected	Rmdn1	1.144159007	1.07455417	1.45233347	1.3639809
A_55_P2045	650.2	Detected	627.2	Detected	592.7	Detected	743.9	Detected	Gm757	1.144109505	0.91156567	1.18606505	0.9449936
A_55_P2096	128.5	Detected	108.7	Detected	109.1	Detected	147	Detected	Cyp20a1	1.143968872	0.84902724	1.35234591	1.0036799
A_55_P1968	17384.7	Detected	15904.8	Detected	11854.8	Detected	19887.3	Detected	Rasa3	1.143954167	0.68190996	1.25039611	0.7453599
A_55_P2067	3644.8	Detected	1946.9	Detected	4241.3	Detected	4169.4	Detected	Foxa2	1.14393108	1.16365781	2.14155837	2.1784889
A_52_P5204	4725.8	Detected	4624	Detected	4249.5	Detected	5405.8	Detected	Kif18b	1.143890981	0.89921283	1.16907439	0.9190095
A_55_P1955	993.1	Detected	1265.4	Detected	480.9	Detected	1135.9	Detected	Cux1	1.143792166	0.48424126	0.89766082	0.3800379
A_55_P2112	399.8	Detected	322	Detected	438.6	Detected	457.2	Detected	C030034I22Rik	1.143571786	1.09704852	1.41987578	1.3621118
A_52_P3038	1308.2	Detected	1468.8	Detected	1469.7	Detected	1496	Detected	Nr1d2	1.143556031	1.12345207	1.01851852	1.0006127
A_55_P2285	157.5	Detected	129.3	Detected	82.3	Detected	180.1	Detected	A430071A18Rik	1.143492063	0.52253968	1.39288476	0.6365043
A_55_P2146	2090.8	Detected	2248.9	Detected	2051	Detected	2390.8	Detected	Nmnat1	1.143485747	0.98096422	1.06309751	0.9120014
A_51_P3255	8276.7	Detected	8939	Detected	8094	Detected	9462.9	Detected	2410004B18Rik	1.143317989	0.97792598	1.05860835	0.9054704
A_55_P2177	3520.2	Detected	2411.1	Detected	3832.8	Detected	4024.6	Detected	Abhd5	1.143287313	1.08880177	1.66919663	1.5896479
A_55_P2030	22691.2	Detected	25229.4	Detected	19072.7	Detected	25942.5	Detected	Supt6	1.143284621	0.84053289	1.02826464	0.7559712
A_51_P1959	55198.3	Detected	68099.5	Detected	51996.9	Detected	63103.1	Detected	Phlda1	1.143207309	0.94200184	0.92663089	0.7635431
A_51_P2085	3935.8	Detected	3608.1	Detected	4822.6	Detected	4499.2	Detected	Gltsr2	1.143147518	1.22531633	1.24697209	1.3366038
A_55_P2002	1473.3	Detected	1647.6	Detected	2435	Detected	1684	Detected	Dph7	1.143012285	1.65275232	1.02209274	1.4779073
A_55_P2056	36203.3	Detected	43251.8	Detected	34706.1	Detected	41380.5	Detected	Sf3b3	1.143003538	0.95864465	0.95673475	0.8024198
A_55_P2085	357.5	Detected	344.6	Detected	347.1	Detected	408.6	Detected	5330417C22Rik	1.142937063	0.97090909	1.18572258	1.0072548
A_55_P2417	58.8	Detected	34.2	Detected	55.1	Detected	67.2	Detected	BC031361	1.142857143	0.93707483	1.96491228	1.6111111
A_55_P1991	7.7	Not Detect	37.9	Detected	3.2	Not Detect	8.8	Not Detect	Mlc1	1.142857143	0.41558442	0.23218997	0.0844327
A_55_P2012	8821	Detected	9773.3	Detected	11662.8	Detected	10080.8	Detected	Stk16	1.142818275	1.32216302	1.03146327	1.1933329
A_51_P4464	1736	Detected	1594.3	Detected	1859.3	Detected	1983.9	Detected	Ufl1	1.142799539	1.07102535	1.24437057	1.1662171
A_51_P4968	1096.7	Detected	1897.7	Detected	1531.3	Detected	1253.3	Detected	Adat2	1.142792012	1.39627975	0.66043105	0.8069242
A_52_P2530	12128.3	Detected	9694.4	Detected	13233.1	Detected	13859.5	Detected	Ralb	1.142740532	1.09109273	1.42963979	1.3650252
A_55_P2159	2235.8	Detected	2048	Detected	2143.4	Detected	2554.8	Detected	Lepre1	1.142678236	0.95867251	1.24746094	1.046582
A_51_P1319	10148.3	Detected	14512	Detected	9957.3	Detected	11596	Detected	Dph5	1.142654435	0.98117911	0.79906284	0.6861425
A_55_P1971	263.8	Detected	249.4	Detected	246.9	Detected	301.4	Detected	Fsip1	1.142532221	0.93593632	1.2085004	0.9899759
A_55_P2059	702.3	Detected	782.3	Detected	571	Detected	802.4	Detected	Crabp2	1.142531682	0.81304286	1.02569347	0.729899
A_55_P2105	1502.3	Detected	2064	Detected	1578.3	Detected	1716.2	Detected	Zfp7	1.142381681	1.0505891	0.83149225	0.7646802
A_51_P3525	8576.5	Detected	9187.8	Detected	10149.1	Detected	9796.7	Detected	Mrpl38	1.142272489	1.18336151	1.06627267	1.1046279
A_55_P1994	10779	Detected	10231.5	Detected	11722.3	Detected	12312.5	Detected	Cldn12	1.142267372	1.08751276	1.20339149	1.1457069
A_55_P2178	2281.1	Detected	2596.6	Detected	1974.5	Detected	2605.5	Detected	Gas5	1.142212091	0.86559116	1.00342756	0.7604175
A_55_P2136	6450.6	Detected	7496.9	Detected	6417.3	Detected	7367.7	Detected	Ublcp1	1.142172821	0.99483769	0.98276621	0.8559938
A_55_P2184	22417.3	Detected	27660.6	Detected	28977.2	Detected	25598	Detected	Eif2s1	1.141885954	1.29262668	0.92543184	1.0475984

A_55_P2047	3219.7	Detected	2628.3	Detected	4043.7	Detected	3676.5	Detected	Ankrd40	1.141876572	1.25592447	1.39881292	1.538523
A_55_P2007	57.8	Detected	71.6	Detected	32.7	Detected	66	Detected	Dnajc21	1.141868512	0.56574394	0.92178771	0.4567039
A_66_P1263	15297.6	Detected	19122.3	Detected	20004.2	Detected	17467.8	Detected	Mrpl47	1.141865391	1.30766918	0.91347798	1.0461189
A_55_P2424	27.5	Detected	17.2	Detected	19.2	Detected	31.4	Not Detect	1300014J16Rik	1.141818182	0.69818182	1.8255814	1.1162791
A_51_P1757	17010.6	Detected	21166.9	Detected	22655.4	Detected	19422.3	Detected	9430023L20Rik	1.141776304	1.33184015	0.91757886	1.0703221
A_51_P2209	30436.5	Detected	32184.6	Detected	31748	Detected	34749.2	Detected	Pfn1	1.141695004	1.04308971	1.07968407	0.9864345
A_55_P2107	735.8	Detected	891.2	Detected	852.6	Detected	840	Detected	Gm9855	1.141614569	1.15873879	0.94254937	0.9566876
A_52_P3964	170.2	Detected	104.8	Detected	175.8	Detected	194.3	Detected	Itsn1	1.14159812	1.03290247	1.85400763	1.6774809
A_52_P1137	20462.5	Detected	17444.5	Detected	21030.4	Detected	23359.3	Detected	Sfxn1	1.14156628	1.02775321	1.33906389	1.2055605
A_55_P2118	472.6	Detected	428.6	Detected	440.4	Detected	539.5	Detected	Rmi1	1.141557342	0.93186627	1.25874942	1.0275315
A_55_P2042	30.4	Detected	33.9	Detected	41.1	Detected	34.7	Not Detect	Pls1	1.141447368	1.35197368	1.02359882	1.2123894
A_55_P2136	1857.4	Detected	2503.2	Detected	1519.8	Detected	2120.1	Detected	Ermn	1.141434263	0.81824055	0.8469559	0.6071429
A_51_P1121	88.4	Detected	100.3	Detected	82.6	Detected	100.9	Detected	Ahi1	1.141402715	0.93438914	1.00598205	0.8235294
A_52_P1155	910.4	Detected	580.8	Detected	906.1	Detected	1039.1	Detected	Fbxo45	1.141366432	0.9952768	1.78908402	1.5600895
A_52_P1901	15904.8	Detected	14557.4	Detected	18433.6	Detected	18153.2	Detected	Clasrp	1.141366128	1.15899603	1.24700839	1.2662701
A_51_P3978	151.4	Detected	147.3	Detected	165.2	Detected	172.8	Detected	Dpm1	1.141347424	1.09114927	1.17311609	1.1215207
A_52_P3775	37.5	Detected	42	Detected	33.7	Detected	42.8	Not Detect	Eps8l1	1.141333333	0.89866667	1.01904762	0.802381
A_55_P2203	1125.8	Detected	955.6	Detected	1135.3	Detected	1284.9	Detected	4932433N03Rik	1.141321727	1.00843844	1.34460025	1.1880494
A_52_P6510	390.1	Detected	338.5	Detected	566.7	Detected	445.2	Detected	Fyttd1	1.141245834	1.45270443	1.31521418	1.6741507
A_55_P1976	67.3	Detected	46.1	Detected	59.4	Detected	76.8	Detected	Fgf14	1.14115899	0.88261516	1.6659436	1.2885033
A_55_P2026	41.8	Detected	41.8	Detected	41.2	Detected	47.7	Detected	Usp35	1.141148325	0.98564593	1.14114833	0.9856459
A_55_P1954	1231.4	Detected	1094.2	Detected	1765.6	Detected	1405.1	Detected	Ttc23	1.141058957	1.43381517	1.28413453	1.613599
A_52_P1039	46.8	Detected	32.6	Detected	41.7	Detected	53.4	Detected	Slc29a3	1.141025641	0.89102564	1.63803681	1.2791411
A_55_P2145	22030	Detected	23772.5	Detected	29740.8	Detected	25136.7	Detected	Aen	1.141021335	1.35001362	1.05738563	1.251059
A_66_P1185	1375.2	Detected	973.6	Detected	900.3	Detected	1569.1	Detected	Atrx	1.140997673	0.65466841	1.61164749	0.9247124
A_52_P2558	12320.9	Detected	11903.5	Detected	13353.5	Detected	14057.9	Detected	Cbx1	1.140979961	1.08380881	1.18098878	1.1218129
A_51_P4218	6618.5	Detected	8753.4	Detected	7468.6	Detected	7551.5	Detected	Timm9	1.140968497	1.128443	0.86269335	0.8532227
A_52_P6547	345.5	Detected	354	Detected	452.8	Detected	394.2	Detected	Trub1	1.140955137	1.3105644	1.11355932	1.279096
A_55_P2090	921.9	Detected	864.4	Detected	860.6	Detected	1051.8	Detected	Kcna7	1.140904653	0.93350689	1.21679778	0.9956039
A_55_P2136	141378.5	Detected	159683	Detected	152361	Detected	161295.3	Detected	Rps3a1	1.140875734	1.07768154	1.01009688	0.9541467
A_55_P2095	19444.3	Detected	17144.5	Detected	14640.3	Detected	22182.9	Detected	Rab3c	1.140843332	0.75293531	1.2938785	0.8539357
A_66_P1368	346.5	Detected	305.3	Detected	339.8	Detected	395.3	Detected	Usp7	1.140836941	0.98066378	1.29479201	1.1130036
A_55_P2055	947.3	Detected	879.5	Detected	919.5	Detected	1080.7	Detected	Josd2	1.140821282	0.97065344	1.22876634	1.0454804
A_66_P1087	61.8	Detected	55.6	Detected	49.4	Detected	70.5	Detected	Arhgef38	1.140776699	0.79935275	1.26798561	0.8884892
A_55_P2180	95.2	Detected	123.9	Detected	107.2	Detected	108.6	Detected	Vwa8	1.140756303	1.12605042	0.87651332	0.8652139
A_55_P2139	253277.8	Detected	303800.9	Detected	282089	Detected	288925.3	Detected	Gm12070	1.140744669	1.11375336	0.95103504	0.9285325
A_55_P2121	4341.5	Detected	3626.8	Detected	3943.7	Detected	4952.1	Detected	Tbc1d22b	1.140642635	0.90837268	1.36541855	1.0873773
A_55_P2084	25.6	Detected	18.3	Detected	8.1	Not Detect	29.2	Not Detect	Fam78a	1.140625	0.31640625	1.59562842	0.442623
A_51_P1565	56.9	Detected	50.6	Detected	49.9	Detected	64.9	Detected	Zfp839	1.14059754	0.87697715	1.2826087	0.986166
A_52_P3058	17282.1	Detected	18667.6	Detected	21756.1	Detected	19711.6	Detected	Yipf5	1.140578981	1.25888058	1.05592578	1.1654471

A_55_P2041	31.3 Detected	45.3 Detected	35.9 Detected	35.7 Not Detect	Chrna6	1.14057508	1.14696486	0.78807947	0.7924945
A_51_P1874	31.3 Detected	54.8 Detected	42.4 Detected	35.7 Not Detect	Rel	1.14057508	1.35463259	0.65145985	0.7737226
A_51_P3888	2930.5 Detected	1696 Detected	2856.7 Detected	3342.3 Detected	Stap2	1.140522095	0.97481658	1.97069575	1.684375
A_55_P2014	17.8 Detected	26.3 Detected	8.6 Not Detect	20.3 Not Detect	Pclo	1.140449438	0.48314607	0.77186312	0.3269962
A_52_P2155	9561.1 Detected	8078.5 Detected	29593.6 Detected	10903.6 Detected	Gcnt1	1.140412714	3.09520871	1.34970601	3.6632543
A_55_P2043	35622 Detected	45010 Detected	39974.3 Detected	40623.2 Detected	Eif5	1.140396384	1.12218011	0.90253721	0.8881204
A_55_P2062	159.6 Detected	172.8 Detected	140 Detected	182 Detected	Shank1	1.140350877	0.87719298	1.05324074	0.8101852
A_52_P6565	4554.4 Detected	3303.7 Detected	4409.9 Detected	5193.4 Detected	Pex6	1.140303882	0.96827244	1.57199504	1.3348367
A_66_P1161	25249.1 Detected	21937.6 Detected	29340.9 Detected	28791.1 Detected	Psmd13	1.140282228	1.16205726	1.31240883	1.3374708
A_66_P1286	2204.5 Detected	2514.6 Detected	2136 Detected	2513.7 Detected	Cinp	1.140258562	0.96892719	0.99964209	0.8494393
A_52_P9591	1951.4 Detected	1706.1 Detected	1227 Detected	2225.1 Detected	Ugcg	1.140258276	0.62877934	1.30420257	0.7191841
A_55_P1973	20623.2 Detected	21961.3 Detected	22086 Detected	23514.1 Detected	Raf1	1.140177082	1.07092983	1.0707062	1.0056782
A_51_P3091	57.8 Detected	41.4 Detected	48.7 Detected	65.9 Detected	Snx20	1.140138408	0.84256055	1.59178744	1.1763285
A_55_P2175	4573.3 Detected	4694.1 Detected	4247.9 Detected	5213.9 Detected	Ythdf2	1.140073907	0.92884788	1.11073475	0.9049445
A_52_P5857	10033.2 Detected	8515.1 Detected	8558.2 Detected	11438.4 Detected	Gns	1.140055017	0.85298808	1.34330777	1.0050616
A_55_P2006	5925.3 Detected	5506.7 Detected	4363.1 Detected	6755.1 Detected	Clip1	1.140043542	0.7363509	1.22670565	0.7923257
A_55_P2366	95.7 Detected	83 Detected	82.1 Detected	109.1 Detected	A430088P11Rik	1.140020899	0.85788924	1.31445783	0.9891566
A_55_P2027	137.9 Detected	135.3 Detected	129.5 Detected	157.2 Detected	Skint10	1.13995649	0.93908629	1.16186253	0.9571323
A_55_P2361	146.5 Detected	132.5 Detected	98.4 Detected	167 Detected	Pitpnc1	1.139931741	0.67167235	1.26037736	0.7426415
A_55_P2089	1321.7 Detected	1274 Detected	1207.7 Detected	1506.6 Detected	Mtfr11	1.139895589	0.91374745	1.18257457	0.9479592
A_51_P1946	664.2 Detected	567.7 Detected	618.7 Detected	757.1 Detected	Tango6	1.13986751	0.93149654	1.33362692	1.0898362
A_51_P1951	13107.8 Detected	11562.1 Detected	17411 Detected	14941 Detected	Vps4b	1.139855658	1.32829308	1.2922393	1.5058683
A_51_P4841	2003.8 Detected	2180.1 Detected	1652.3 Detected	2284 Detected	Matn2	1.139834315	0.82458329	1.04765836	0.757901
A_51_P4263	46.5 Detected	59.6 Detected	25.3 Detected	53 Detected	Cib4	1.139784946	0.54408602	0.88926174	0.4244966
A_51_P1041	2562.2 Detected	1803.8 Detected	2622.1 Detected	2920.3 Detected	Fam76b	1.139762704	1.02337835	1.61897106	1.4536534
A_55_P2079	17984.2 Detected	14391.5 Detected	13978 Detected	20497.6 Detected	Pls3	1.139756008	0.7772378	1.42428517	0.9712678
A_51_P3245	95713.6 Detected	77260.1 Detected	111707.3 Detected	109090.1 Detected	Ctnna1	1.139755479	1.16709956	1.41198497	1.4458602
A_55_P1996	72.3 Detected	88.3 Detected	65.4 Detected	82.4 Detected	Nphs1	1.139695712	0.90456432	0.93318233	0.7406569
A_55_P1975	18253.9 Detected	18307 Detected	24329.6 Detected	20803.4 Detected	Dap3	1.139668783	1.33284394	1.13636314	1.328978
A_52_P1414	637.4 Detected	440.3 Detected	594.2 Detected	726.4 Detected	Grk5	1.139629746	0.93222466	1.64978424	1.3495344
A_52_P3128	540.8 Detected	506.9 Detected	623.2 Detected	616.3 Detected	Smarcc1	1.139607988	1.15236686	1.21582166	1.2294338
A_55_P2077	2137.6 Detected	2607.6 Detected	2944.8 Detected	2436 Detected	Rab7i1	1.139595808	1.37761976	0.93419236	1.1293143
A_55_P2039	148881 Detected	127956.8 Detected	165845.6 Detected	169656.7 Detected	Ppp1ca	1.139545677	1.11394738	1.32589046	1.2961062
A_55_P2004	8.6 Not Detect	25 Detected	8.4 Not Detect	9.8 Not Detect	Car6	1.139534884	0.97674419	0.392	0.336
A_51_P3918	3996.9 Detected	4641.3 Detected	3854.7 Detected	4554.4 Detected	Exosc10	1.139483099	0.96442243	0.9812768	0.8305216
A_51_P1521	3923.3 Detected	3580.8 Detected	3586.6 Detected	4470.5 Detected	Glt8d1	1.139474422	0.91417939	1.24846403	1.0016197
A_55_P2056	9518.3 Detected	7550.7 Detected	12048.9 Detected	10845.7 Detected	Spc24	1.139457676	1.2658668	1.43638338	1.5957328
A_55_P2000	134718.4 Detected	146320.8 Detected	131584.4 Detected	153503.2 Detected	Arf1	1.139437523	0.97673666	1.04908666	0.899287
A_55_P2037	128659.1 Detected	153409.5 Detected	155707.4 Detected	146594.4 Detected	Rps15	1.139401721	1.21023231	0.95557576	1.0149789
A_55_P1967	65.3 Detected	93.8 Detected	96.2 Detected	74.4 Detected	Bai2	1.139356815	1.47320061	0.79317697	1.0255864

A_55_P2135	224.1 Detected	220.2 Detected	257.6 Detected	255.3 Detected	C8g	1.139223561	1.14948684	1.15940054	1.1698456
A_66_P1370	961.2 Detected	1132.3 Detected	859.9 Detected	1094.9 Detected	9930014A18Rik	1.139096962	0.8946109	0.96696988	0.7594277
A_55_P2069	3524.4 Detected	3185 Detected	3428 Detected	4014.3 Detected	Prr11	1.139002383	0.97264783	1.26037677	1.0762951
A_55_P1955	397.9 Detected	383.2 Detected	445.3 Detected	453.2 Detected	Olf522	1.138979643	1.11912541	1.18267223	1.1620564
A_55_P2118	10135.7 Detected	9839.4 Detected	9169.3 Detected	11544.2 Detected	Foxj3	1.138964255	0.90465385	1.1732626	0.9318963
A_55_P2010	105.8 Detected	77.7 Detected	122.6 Detected	120.5 Detected	Serpina1e	1.138941399	1.15879017	1.55083655	1.5778636
A_55_P1970	20699.2 Detected	14427.9 Detected	20731.2 Detected	23575.1 Detected	Vopp1	1.138937737	1.00154595	1.63399386	1.4368827
A_51_P1843	37544.5 Detected	41191.1 Detected	38645.5 Detected	42757.1 Detected	Nr2f6	1.138837912	1.0293252	1.03801792	0.9382002
A_55_P2017	1131.4 Detected	1018.8 Detected	964.7 Detected	1288.4 Detected	Abcg4	1.13876613	0.85266042	1.26462505	0.9468983
A_55_P1996	3788.9 Detected	4018.1 Detected	3374.5 Detected	4314.4 Detected	Srrm1	1.138694608	0.89062789	1.07374132	0.8398248
A_51_P4024	10180.7 Detected	7628.7 Detected	12176.6 Detected	11592.6 Detected	Trap1	1.13868398	1.19604742	1.5196036	1.5961566
A_51_P2667	33.9 Detected	20.2 Detected	32.3 Detected	38.6 Not Detect	Dopey1	1.138643068	0.95280236	1.91089109	1.5990099
A_52_P4372	80691.2 Detected	81647.8 Detected	94170.9 Detected	91878.4 Detected	Rbx1	1.138642132	1.16705291	1.1253016	1.1533795
A_55_P2015	6289.3 Detected	6338.5 Detected	6458.4 Detected	7161.2 Detected	BC003331	1.13863228	1.02688693	1.12979412	1.0189161
A_55_P2217	976.9 Detected	735.5 Detected	829 Detected	1112.2 Detected	LOC545198	1.138499335	0.84860272	1.51216859	1.1271244
A_55_P2020	179.8 Detected	198.9 Detected	281.6 Detected	204.7 Detected	Arl4d	1.138487208	1.56618465	1.02916038	1.4157868
A_55_P2118	4900.2 Detected	4583 Detected	5021.3 Detected	5578.3 Detected	Lrp6	1.138382107	1.02471328	1.21717216	1.095636
A_51_P1401	7225.3 Detected	7441.7 Detected	7420.6 Detected	8224.6 Detected	Hspb1	1.138305676	1.02703002	1.10520446	0.9971646
A_55_P1957	2242.2 Detected	1956.7 Detected	1946.8 Detected	2552.3 Detected	Insig2	1.138301668	0.86825439	1.30439004	0.9949405
A_51_P1642	19733.3 Detected	19232.1 Detected	24143.2 Detected	22461.8 Detected	Mta2	1.138268815	1.22347504	1.16793278	1.2553595
A_55_P1969	44206.1 Detected	47651.4 Detected	36977.9 Detected	50315.4 Detected	Tmem97	1.138200384	0.83648863	1.05590602	0.7760087
A_51_P4436	11605 Detected	12053.2 Detected	15474.7 Detected	13207.4 Detected	0610011F06Rik	1.138078414	1.3334511	1.0957588	1.2838665
A_51_P1088	33143.1 Detected	44020.9 Detected	36371.7 Detected	37714.2 Detected	Cops7a	1.13792011	1.09741394	0.85673396	0.8262371
A_55_P2006	763.8 Detected	837.7 Detected	887.7 Detected	869.1 Detected	Tmc6	1.137863315	1.16221524	1.03748359	1.0596872
A_55_P2085	2530 Detected	2413.1 Detected	2322.3 Detected	2878.7 Detected	Igf1	1.137826087	0.91790514	1.19294683	0.9623721
A_55_P1991	489.9 Detected	422.8 Detected	492.7 Detected	557.4 Detected	Lman1l	1.137783221	1.00571545	1.31835383	1.1653264
A_55_P2016	72907.1 Detected	70582.6 Detected	88849.7 Detected	82951 Detected	Eif3k	1.137762989	1.21867006	1.17523299	1.2588046
A_55_P2017	12606.9 Detected	12092.5 Detected	11458.6 Detected	14342.4 Detected	Cep89	1.137662709	0.90891496	1.18605747	0.9475791
A_55_P2440	359 Detected	399.6 Detected	399.6 Detected	408.4 Detected	Gabpb2	1.137604457	1.11309192	1.02202202	1
A_55_P2007	968.9 Detected	802.8 Detected	968.4 Detected	1102.2 Detected	Ppp1r12a	1.137578697	0.99948395	1.37294469	1.206278
A_51_P1362	8 Not Detect	3.2 Not Detect	34.4 Detected	9.1 Not Detect	Ms4a4b	1.1375	4.3	2.84375	10.75
A_55_P1963	512.3 Detected	503.7 Detected	612.5 Detected	582.7 Detected	Lctl	1.137419481	1.19558852	1.15683939	1.2160016
A_51_P4988	57.5 Detected	51.7 Detected	77.6 Detected	65.4 Detected	Cyp2c37	1.137391304	1.34956522	1.26499033	1.5009671
A_51_P3280	342.2 Detected	260.9 Detected	748 Detected	389.2 Detected	Crb3	1.137346581	2.18585622	1.49175929	2.8669989
A_55_P2170	188.6 Detected	159 Detected	161.2 Detected	214.5 Detected	Braf	1.137327678	0.85471898	1.3490566	1.0138365
A_52_P4060	211.2 Detected	267.3 Detected	151.9 Detected	240.2 Detected	Cdkn2aip	1.137310606	0.71922348	0.89861579	0.5682753
A_52_P4189	23560.6 Detected	25942.4 Detected	25642.6 Detected	26795.5 Detected	Sec22b	1.137301257	1.08836787	1.03288439	0.9884436
A_55_P2108	4943.9 Detected	5428.7 Detected	5534.8 Detected	5622.2 Detected	Galns	1.137199377	1.11952103	1.03564389	1.0195443
A_55_P1980	2306.2 Detected	2332 Detected	2263.2 Detected	2622.6 Detected	Kpna6	1.137195386	0.98135461	1.12461407	0.9704974
A_52_P4086	2502.5 Detected	2384.2 Detected	3038.4 Detected	2845.7 Detected	Sft2d2	1.137142857	1.21414585	1.19356598	1.2743897

A_55_P2386	1190.9	Detected	1137.8	Detected	839	Detected	1354.2	Detected	D130062J10Rik	1.137123184	0.70450919	1.1901916	0.7373879
A_55_P2161	1855.4	Detected	2154.4	Detected	2457.7	Detected	2109.7	Detected	Kdelc1	1.137059394	1.32462003	0.97925176	1.1407817
A_55_P1994	502.2	Detected	419.4	Detected	607.6	Detected	571	Detected	Far1	1.136997212	1.20987654	1.36146876	1.4487363
A_52_P2272	86.2	Detected	84.5	Detected	103.5	Detected	98	Detected	Vipr1	1.136890951	1.20069606	1.15976331	1.2248521
A_51_P2542	85.5	Detected	106.2	Detected	86.2	Detected	97.2	Detected	Nxph3	1.136842105	1.00818713	0.91525424	0.8116761
A_55_P2005	9.5	Not Detect	43.7	Detected	3.8	Not Detect	10.8	Not Detect	Adamts8	1.136842105	0.4	0.24713959	0.0869565
A_55_P1998	3471.4	Detected	4811.5	Detected	4549.2	Detected	3946.4	Detected	Rpl17	1.136832402	1.31047992	0.8202016	0.9454848
A_55_P2152	118.4	Detected	103.9	Detected	108.8	Detected	134.6	Detected	Tom1l2	1.136824324	0.91891892	1.29547642	1.0471607
A_52_P5381	91.4	Detected	73.6	Detected	87.7	Detected	103.9	Detected	Cdc14a	1.136761488	0.9595186	1.41168478	1.1915761
A_55_P2095	11898.7	Detected	13946.7	Detected	10442.7	Detected	13525.7	Detected	Sh3bp5l	1.136737627	0.87763369	0.96981365	0.7487578
A_55_P2065	255.3	Detected	238.7	Detected	224.5	Detected	290.2	Detected	Rps15a-ps6	1.136701919	0.87935762	1.21575199	0.9405111
A_52_P1280	13.9	Detected	9.9	Not Detect	5.2	Not Detect	15.8	Not Detect	Kazn	1.136690647	0.37410072	1.5959596	0.5252525
A_55_P2100	338.8	Detected	329	Detected	381.2	Detected	385.1	Detected	Auh	1.136658796	1.12514758	1.17051672	1.1586626
A_55_P2148	114.9	Detected	106.4	Detected	125.6	Detected	130.6	Detected	2810021J22Rik	1.136640557	1.09312446	1.22744361	1.1804511
A_55_P2134	953.7	Detected	892.5	Detected	680.7	Detected	1084	Detected	Zscan22	1.136625773	0.71374646	1.21456583	0.7626891
A_55_P2128	3328.3	Detected	4011	Detected	3429.9	Detected	3782.9	Detected	Rap1a	1.136586245	1.03052609	0.94313139	0.8551234
A_52_P4340	858.7	Detected	612.8	Detected	666.2	Detected	975.9	Detected	Wdr37	1.136485385	0.77582392	1.59252611	1.087141
A_51_P1059	76.2	Detected	146.3	Detected	171.8	Detected	86.6	Detected	Rasl12	1.13648294	2.25459318	0.59193438	1.1742994
A_55_P2162	100.4	Detected	68.4	Detected	135.6	Detected	114.1	Detected	Cacfd1	1.136454183	1.35059761	1.66812865	1.9824561
A_55_P2162	431.7	Detected	343.2	Detected	418.7	Detected	490.6	Detected	Bmx	1.136437341	0.9698865	1.42948718	1.2199883
A_55_P2134	7405.6	Detected	6078.3	Detected	7465.8	Detected	8415.9	Detected	Olfir544	1.136423787	1.00812898	1.38458122	1.2282711
A_65_P0745	542.7	Detected	511.7	Detected	593.4	Detected	616.7	Detected	Brd8	1.136355261	1.09342178	1.20519836	1.1596639
A_55_P2027	5730.7	Detected	4094.4	Detected	6543	Detected	6511.7	Detected	Zfp260	1.136283526	1.14174534	1.59039175	1.5980363
A_52_P4769	219.4	Detected	116.2	Detected	154.4	Detected	249.3	Detected	Chd6	1.136280766	0.70373747	2.1454389	1.3287435
A_55_P2042	5610.7	Detected	4896.9	Detected	4719.9	Detected	6375.3	Detected	Rad50	1.136275331	0.84123193	1.30190529	0.9638547
A_51_P3386	14333.8	Detected	12453.9	Detected	15488.8	Detected	16286.9	Detected	Tmem14c	1.136258354	1.08057877	1.30777507	1.2436907
A_55_P2095	41.1	Detected	103	Detected	49.7	Detected	46.7	Detected	Ccdc65	1.136253041	1.20924574	0.45339806	0.4825243
A_66_P1027	10734	Detected	9554.2	Detected	11645	Detected	12195.5	Detected	Spop	1.136156139	1.0848705	1.27645433	1.2188357
A_51_P2034	5378.5	Detected	4558.9	Detected	4677.2	Detected	6110.5	Detected	Tsg101	1.136097425	0.86961049	1.34034526	1.0259492
A_55_P1954	260953.1	Detected	271510	Detected	256876.7	Detected	296457	Detected	Endov	1.136054716	0.9843788	1.09188244	0.946104
A_55_P1972	14.7	Detected	20	Detected	15.2	Not Detect	16.7	Not Detect	A530016L24Rik	1.136054422	1.03401361	0.835	0.76
A_51_P1930	876.1	Detected	784.6	Detected	742.5	Detected	995.2	Detected	Bbs4	1.135943385	0.84750599	1.26841703	0.9463421
A_51_P5209	7886	Detected	6233.4	Detected	7588.2	Detected	8957.7	Detected	Ccdc97	1.135899062	0.96223688	1.4370488	1.2173453
A_55_P2109	193257.6	Detected	202945.6	Detected	184024.5	Detected	219512.9	Detected	Milr1	1.135856494	0.95222387	1.08163419	0.9067676
A_51_P3453	1068.8	Detected	1198.9	Detected	1317.4	Detected	1214	Detected	Cep76	1.135853293	1.23259731	1.01259488	1.0988406
A_55_P2040	151.7	Detected	144.5	Detected	159.7	Detected	172.3	Detected	Acot5	1.135794331	1.05273566	1.19238754	1.1051903
A_55_P1962	72268.7	Detected	61160.7	Detected	79008.5	Detected	82078.4	Detected	Rnf26	1.135739262	1.09326029	1.34201211	1.2918181
A_66_P1105	23.6	Detected	21.2	Detected	24	Detected	26.8	Not Detect	Zfp945	1.13559322	1.01694915	1.26415094	1.1320755
A_51_P5031	45	Detected	48.9	Detected	48.4	Detected	51.1	Detected	Wnt11	1.135555556	1.07555556	1.04498978	0.9897751
A_55_P2176	34976.4	Detected	45168	Detected	27505.4	Detected	39717.4	Detected	Hsph1	1.135548541	0.78639883	0.87932607	0.6089577

A_52_P3677	20931.8	Detected	27635.5	Detected	24281.3	Detected	23769	Detected	Mri1	1.13554496	1.16001968	0.86008938	0.8786271
A_52_P6331	9669.3	Detected	9921.2	Detected	12386.7	Detected	10979.1	Detected	Aasdhppt	1.135459651	1.28103379	1.10663025	1.2485082
A_52_P1029	199054	Detected	149996	Detected	217797.5	Detected	225994.3	Detected	Lasp1	1.135341666	1.09416289	1.50666884	1.4520221
A_55_P2170	229.2	Detected	312.8	Detected	121	Detected	260.2	Detected	Klra22	1.135253054	0.52792321	0.83184143	0.3868286
A_55_P2014	1265.2	Detected	1447.6	Detected	1206	Detected	1436.3	Detected	Hes7	1.135235536	0.95320898	0.99219398	0.8331031
A_52_P6294	1045.8	Detected	1029	Detected	917.4	Detected	1187.2	Detected	Gon4l	1.135207497	0.87722318	1.1537415	0.8915452
A_55_P2019	11996.6	Detected	11133.2	Detected	12257	Detected	13617.6	Detected	Mocs2	1.135121618	1.02170615	1.22315237	1.1009413
A_51_P3286	272.4	Detected	251.1	Detected	215	Detected	309.2	Detected	Tlcd2	1.135095448	0.78928047	1.23138192	0.8562326
A_52_P5665	8590.9	Detected	10229.3	Detected	10548.5	Detected	9750.9	Detected	Emc3	1.135026598	1.22786902	0.95323238	1.0312045
A_52_P3149	1448	Detected	1335.9	Detected	1273.7	Detected	1643.5	Detected	Vamp3	1.135013812	0.87962707	1.23025676	0.9534396
A_52_P2756	12694.7	Detected	12687.1	Detected	10739.8	Detected	14408.5	Detected	Kpnb1	1.135001221	0.8460066	1.13568112	0.8465134
A_55_P2008	4210.6	Detected	3319.2	Detected	5880.3	Detected	4779	Detected	Prkcd	1.134992638	1.39654681	1.43980477	1.7716016
A_55_P2057	20096.5	Detected	17383.5	Detected	21706.6	Detected	22808.5	Detected	Gtf3c5	1.134948872	1.08011843	1.31207754	1.2486898
A_55_P2159	41.5	Detected	71.1	Detected	94.5	Detected	47.1	Detected	Fads6	1.134939759	2.27710843	0.66244726	1.3291139
A_55_P1969	3006.1	Detected	2303.6	Detected	3741.3	Detected	3411.7	Detected	Mettl10	1.134925651	1.24456938	1.48102969	1.6241101
A_55_P1975	39101.3	Detected	42350.9	Detected	42000.6	Detected	44374.2	Detected	Tmem259	1.134852294	1.07414843	1.04777466	0.9917286
A_52_P2563	123.1	Detected	100.8	Detected	76.4	Detected	139.7	Detected	Wdsub1	1.134849716	0.62063363	1.3859127	0.7579365
A_55_P2153	169.1	Detected	137.9	Detected	160.6	Detected	191.9	Detected	Snrpc	1.134831461	0.94973389	1.39158811	1.164612
A_51_P5022	1248.4	Detected	585.1	Detected	1728.3	Detected	1416.7	Detected	Slc22a4	1.13481256	1.38441205	2.42129551	2.953854
A_55_P1978	45963.7	Detected	43583.3	Detected	53666.6	Detected	52159.8	Detected	Incenp	1.134804204	1.1675866	1.19678409	1.231357
A_66_P1189	5829	Detected	6337.7	Detected	4848.4	Detected	6614.7	Detected	Plaa	1.134791559	0.83177217	1.04370671	0.7650094
A_66_P1204	1547.6	Detected	1341.8	Detected	1843.7	Detected	1756.2	Detected	Mbtd1	1.134789351	1.19132851	1.30883887	1.3740498
A_55_P2009	111.3	Detected	88	Detected	82.5	Detected	126.3	Detected	Gm5113	1.134770889	0.74123989	1.43522727	0.9375
A_52_P6646	161.8	Detected	98.6	Detected	189	Detected	183.6	Detected	Acvr2a	1.13473424	1.16810878	1.86206897	1.9168357
A_55_P2047	208902.8	Detected	213136.2	Detected	226415.1	Detected	237028	Detected	Calm1	1.134632949	1.0838299	1.1120964	1.0623024
A_51_P3841	10741.2	Detected	7687	Detected	10186	Detected	12187	Detected	Ryk	1.13460321	0.94831118	1.58540393	1.3250943
A_51_P4188	143.4	Detected	114.2	Detected	178.9	Detected	162.7	Detected	Airn	1.134588563	1.24755927	1.42469352	1.5665499
A_55_P2010	27986.3	Detected	29703	Detected	31728.2	Detected	31752.1	Detected	Mrps23	1.134558695	1.13370471	1.0689863	1.0681817
A_55_P2017	330.3	Detected	327.5	Detected	291.4	Detected	374.7	Detected	Gm2138	1.134423252	0.88222828	1.14412214	0.889771
A_55_P2036	135.4	Detected	137.4	Detected	92.5	Detected	153.6	Detected	Wbscr27	1.134416544	0.683161	1.11790393	0.6732169
A_52_P5065	497	Detected	359.1	Detected	426.8	Detected	563.8	Detected	Rabgap1l	1.134406439	0.85875252	1.5700362	1.1885269
A_52_P2575	18225.4	Detected	14669.7	Detected	16127.2	Detected	20675	Detected	1110065P20Rik	1.134405829	0.88487495	1.40936761	1.0993545
A_51_P1847	1041	Detected	732.6	Detected	1032.1	Detected	1180.9	Detected	Zfp101	1.13439001	0.99145053	1.61193011	1.4088179
A_55_P2053	3589.6	Detected	3183.5	Detected	3531.3	Detected	4071.8	Detected	Olf1368	1.134332516	0.98375864	1.27903251	1.1092508
A_55_P1976	3241.8	Detected	3544.6	Detected	2770.7	Detected	3677.1	Detected	Vrk2	1.134277253	0.8546795	1.0373808	0.7816679
A_55_P2095	12269.6	Detected	14327.2	Detected	14987.3	Detected	13916.2	Detected	Glxr2	1.134201604	1.22149866	0.97131331	1.0460732
A_52_P2415	53.7	Detected	60.9	Detected	57.6	Detected	60.9	Detected	Supt7l	1.134078212	1.0726257	1	0.9458128
A_55_P2072	2521.2	Detected	2630.4	Detected	2629.4	Detected	2859.1	Detected	Sirt6	1.134023481	1.04291607	1.08694495	0.9996198
A_51_P4809	14782.1	Detected	14153.3	Detected	15319.9	Detected	16762.8	Detected	Glo1	1.13399314	1.03638184	1.18437396	1.082426
A_52_P5560	1217.3	Detected	882.5	Detected	772.7	Detected	1380.4	Detected	Trmt2b	1.133985049	0.63476546	1.56419263	0.8755807

A_52_P3789	36041.6	Detected	35568.2	Detected	46325.9	Detected	40870.6	Detected	Cox7a2	1.133984063	1.28534527	1.14907698	1.3024528
A_51_P2317	194.1	Detected	199.7	Detected	263.2	Detected	220.1	Detected	2310035C23Rik	1.133951571	1.35600206	1.10215323	1.317977
A_66_P1396	39.6	Detected	37.1	Detected	45.2	Detected	44.9	Not Detect	Gm12409	1.133838384	1.14141414	1.21024259	1.2183288
A_51_P4181	19405	Detected	16454.9	Detected	19248.7	Detected	22001.2	Detected	Manf	1.13379026	0.99194537	1.33706069	1.1697853
A_51_P3773	8014.6	Detected	10702.8	Detected	9296.1	Detected	9086.8	Detected	Gnl3	1.13378085	1.15989569	0.84901147	0.8685671
A_51_P5080	1831.9	Detected	1626.8	Detected	2507.9	Detected	2076.9	Detected	Pcyox1	1.133740925	1.36901578	1.27667814	1.5416154
A_66_P1276	37.4	Detected	27.8	Detected	32.2	Detected	42.4	Not Detect	Taar7f	1.13368984	0.86096257	1.52517986	1.1582734
A_55_P2066	35963	Detected	25495.5	Detected	22596.7	Detected	40770.7	Detected	Trim47	1.13368462	0.6283319	1.59913318	0.8863015
A_55_P2087	211	Detected	189.6	Detected	260.9	Detected	239.2	Detected	Clpsl2	1.133649289	1.23649289	1.26160338	1.3760549
A_55_P2027	279.9	Detected	279.1	Detected	233.6	Detected	317.3	Detected	Krtap20-2	1.13361915	0.83458378	1.13686851	0.836976
A_51_P3724	4819.7	Detected	4760.4	Detected	5447.1	Detected	5463.2	Detected	Auh	1.133514534	1.13017408	1.14763465	1.1442526
A_55_P2084	41.2	Detected	39.9	Detected	35.5	Detected	46.7	Not Detect	Gm10814	1.133495146	0.86165049	1.17042607	0.8897243
A_55_P1974	72297.9	Detected	67403.5	Detected	80305.9	Detected	81941.8	Detected	Ndufab1	1.13339115	1.11076394	1.21569058	1.1914203
A_55_P2001	3570.4	Detected	3256.6	Detected	4589.4	Detected	4046.6	Detected	Uros	1.133374412	1.2854022	1.24258429	1.4092612
A_55_P2208	121.5	Detected	110.2	Detected	97.4	Detected	137.7	Detected	6820426E19Rik	1.133333333	0.80164609	1.24954628	0.8838475
A_55_P1974	2745.4	Detected	2358.3	Detected	2374.2	Detected	3111.2	Detected	Fam126b	1.133241058	0.86479202	1.3192554	1.0067421
A_66_P1114	381.4	Detected	315.3	Detected	318	Detected	432.2	Detected	1700018A04Rik	1.133193498	0.83377032	1.37075801	1.0085633
A_55_P2292	95.4	Detected	90.8	Detected	142.1	Detected	108.1	Detected	A930037H05Rik	1.13312369	1.48951782	1.19052863	1.564978
A_51_P4745	30.8	Detected	27.8	Detected	28.5	Detected	34.9	Not Detect	Cyp19a1	1.133116883	0.92532468	1.25539568	1.0251799
A_51_P5078	1130	Detected	941.8	Detected	1029.9	Detected	1280.3	Detected	Gcc1	1.13300885	0.91141593	1.35941814	1.0935443
A_65_P0232	1292	Detected	1436.2	Detected	1094.9	Detected	1463.8	Detected	Usp36	1.132972136	0.84744582	1.01921738	0.762359
A_51_P1607	26943.3	Detected	25739.9	Detected	35392.7	Detected	30524.9	Detected	Ndufb3	1.132931007	1.3135993	1.18589816	1.3750131
A_55_P2253	398.1	Detected	385.3	Detected	294.8	Detected	451	Detected	Luc7l3	1.132881186	0.74051746	1.17051648	0.7651181
A_51_P3007	38892.9	Detected	51248.1	Detected	37675.3	Detected	44059.8	Detected	Srm	1.13284944	0.96869351	0.85973529	0.7351551
A_55_P2077	7978.3	Detected	8206	Detected	7176.8	Detected	9038.2	Detected	Epas1	1.13284785	0.89954	1.1014136	0.8745796
A_51_P3248	403819.8	Detected	413125.2	Detected	465435.1	Detected	457463.5	Detected	Krt18	1.132840688	1.15258118	1.10732412	1.12662
A_55_P2001	4352.1	Detected	3869.4	Detected	5213.9	Detected	4929.6	Detected	Copg2	1.132694561	1.19801935	1.27399597	1.3474699
A_55_P2036	16748.8	Detected	16059.2	Detected	21587.9	Detected	18971	Detected	Mrps14	1.132678162	1.28892219	1.18131663	1.34427
A_55_P2101	4469.3	Detected	3791.1	Detected	3202.2	Detected	5062.1	Detected	Spryd3	1.132638221	0.71648804	1.3352589	0.8446625
A_66_P1396	3148.3	Detected	2787.2	Detected	3054.8	Detected	3565.7	Detected	Ppp2r5c	1.132579487	0.97030143	1.27931257	1.0960103
A_55_P2029	22147.8	Detected	26015.5	Detected	19162	Detected	25082.4	Detected	Hnrnpa1	1.132500745	0.86518751	0.96413292	0.7365609
A_55_P2056	14920	Detected	9023.4	Detected	21626.7	Detected	16896.6	Detected	Mgst3	1.132479893	1.44951072	1.87253142	2.3967352
A_55_P2305	1569.4	Detected	1776.9	Detected	1546	Detected	1777.3	Detected	Ptpn21	1.132471008	0.98508984	1.00022511	0.8700546
A_52_P3661	3975.3	Detected	3927.7	Detected	4004.4	Detected	4501.9	Detected	Tmem55b	1.13246799	1.0073202	1.14619243	1.019528
A_55_P2128	11854.7	Detected	12323.3	Detected	11432.2	Detected	13425	Detected	Trappc13	1.13246223	0.96436013	1.08939975	0.9276898
A_52_P3050	1409	Detected	1415.9	Detected	1205.6	Detected	1595.6	Detected	Pias1	1.132434351	0.8556423	1.12691574	0.8514726
A_55_P2086	27556.5	Detected	44389.2	Detected	24338.8	Detected	31205.6	Detected	Ppid	1.132422477	0.88323263	0.70299983	0.5483045
A_55_P1967	587.6	Detected	625.7	Detected	502.1	Detected	665.4	Detected	Thoc7	1.132402995	0.85449285	1.06344894	0.8024612
A_52_P2817	332.4	Detected	140.3	Detected	351	Detected	376.4	Detected	Wdr5b	1.132370638	1.05595668	2.68282252	2.5017819
A_52_P6368	11106.6	Detected	9394	Detected	11319.2	Detected	12575.5	Detected	G3bp2	1.132254695	1.01914177	1.33867362	1.2049393

A_55_P2036	46.9 Detected	47.5 Detected	49.6 Detected	53.1 Detected	Cox17	1.132196162	1.0575693	1.11789474	1.0442105
A_55_P2012	99.1 Detected	129.3 Detected	95.4 Detected	112.2 Detected	Sox1	1.132189707	0.96266398	0.86774942	0.737819
A_55_P2048	15697.1 Detected	7916.8 Detected	20681.6 Detected	17771.2 Detected	Cd82	1.132132687	1.31754273	2.24474535	2.6123686
A_52_P1710	1162.5 Detected	997.8 Detected	1369.1 Detected	1316.1 Detected	Mcmbp	1.132129032	1.17772043	1.3190018	1.3721187
A_55_P1998	37.1 Detected	11.2 Not Detect	33.1 Detected	42 Not Detect	9630028104Rik	1.132075472	0.89218329	3.75	2.9553571
A_55_P2209	357.4 Detected	350.1 Detected	339.2 Detected	404.6 Detected	Pou2f1	1.132064913	0.94907666	1.15566981	0.968866
A_52_P6026	4220.2 Detected	3525.1 Detected	4580.3 Detected	4777.5 Detected	Serpnb6d	1.132055353	1.08532771	1.3552807	1.299339
A_55_P2129	16327.1 Detected	15198.9 Detected	17008.7 Detected	18482.5 Detected	Pkp3	1.132013646	1.04174654	1.21604195	1.1190744
A_55_P2173	8693.9 Detected	8850.8 Detected	8969.9 Detected	9841.6 Detected	Dnajc8	1.1320121	1.0317464	1.11194468	1.0134564
A_55_P2160	1965.1 Detected	1639.7 Detected	2549.2 Detected	2224.4 Detected	Nipa2	1.131952572	1.29723678	1.35658962	1.5546746
A_55_P2131	14317.5 Detected	11925.8 Detected	12722.3 Detected	16206.4 Detected	D4Wsu53e	1.131929457	0.8885839	1.35893609	1.066788
A_55_P2159	683.8 Detected	598.5 Detected	774.4 Detected	774 Detected	Zfp59	1.131909915	1.13249488	1.29323308	1.2939014
A_55_P2099	2635.4 Detected	2218.8 Detected	1853.4 Detected	2982.8 Detected	Bdp1	1.131820596	0.70327085	1.34433027	0.8353164
A_55_P2049	7527.9 Detected	7648.6 Detected	7472.3 Detected	8520.2 Detected	Mapkapk5	1.13181631	0.99261414	1.1139555	0.97695
A_55_P2169	447 Detected	428.3 Detected	507.2 Detected	505.9 Detected	4732491K20Rik	1.131767338	1.13467562	1.18118141	1.1842167
A_51_P4199	2241.3 Detected	2055.1 Detected	2266.4 Detected	2536.5 Detected	Arhgef40	1.131709276	1.01119886	1.23424651	1.1028174
A_52_P2567	441.3 Detected	341.6 Detected	402.6 Detected	499.4 Detected	Rhbdl1	1.13165647	0.91230455	1.46194379	1.1785714
A_51_P2789	1579.9 Detected	1778.3 Detected	1339.9 Detected	1787.9 Detected	Swap70	1.131653902	0.84809165	1.00539841	0.7534724
A_51_P1656	171.7 Detected	254.6 Detected	237.8 Detected	194.3 Detected	Lbx2	1.131624927	1.38497379	0.76315789	0.9340141
A_66_P1001	11691.9 Detected	14463.8 Detected	11864.1 Detected	13230.2 Detected	Cfl2	1.131569719	1.01472815	0.91471121	0.8202616
A_66_P1206	66.9 Detected	72.5 Detected	353.2 Detected	75.7 Detected	Fbxo34	1.131539611	5.27952167	1.04413793	4.8717241
A_55_P2017	9793.9 Detected	8808.1 Detected	12104.9 Detected	11081.6 Detected	Kat5	1.131479799	1.2359632	1.25811469	1.3742918
A_51_P3684	4159.9 Detected	4335.7 Detected	5800.2 Detected	4706.5 Detected	1700123O20Rik	1.131397389	1.39431236	1.08552252	1.3377771
A_55_P2017	127.9 Detected	120.9 Detected	103.5 Detected	144.7 Detected	Tdp1	1.131352619	0.80922596	1.19685691	0.8560794
A_55_P2144	92.9 Detected	78.7 Detected	73.1 Detected	105.1 Detected	Stard7	1.131324004	0.7868676	1.33545108	0.9288437
A_51_P5046	839.4 Detected	740.9 Detected	904.5 Detected	949.5 Detected	Mef2d	1.131165118	1.0775554	1.28154947	1.2208125
A_52_P4496	1829.8 Detected	1942.8 Detected	1912.7 Detected	2069.8 Detected	Ankrd13c	1.131161876	1.0453055	1.06536957	0.9845069
A_55_P1984	225.7 Detected	231.2 Detected	229.7 Detected	255.3 Detected	Cdan1	1.131147541	1.01772264	1.10423875	0.9935121
A_52_P5625	3665.4 Detected	3561 Detected	4183.2 Detected	4146.1 Detected	Tpgs1	1.131145305	1.14126698	1.16430778	1.1747262
A_66_P1228	313164.1 Detected	327626.3 Detected	299151.3 Detected	354228.4 Detected	Gm8526	1.131127099	0.95525413	1.08119647	0.913087
A_51_P1001	5188.7 Detected	4786.1 Detected	4332.9 Detected	5868.8 Detected	Mns1	1.131073294	0.83506466	1.22621759	0.9053091
A_55_P2055	25.2 Detected	36.6 Detected	30.7 Detected	28.5 Not Detect	D930048G16Rik	1.130952381	1.21825397	0.77868852	0.8387978
A_55_P2023	52.7 Detected	56.5 Detected	52.3 Detected	59.6 Detected	LOC101056583	1.130929791	0.99240987	1.05486726	0.9256637
A_55_P2020	243.7 Detected	299.1 Detected	252.3 Detected	275.6 Detected	E2f7	1.130898646	1.03528929	0.92143096	0.8435306
A_55_P1993	105331.4 Detected	117173.9 Detected	91866 Detected	119113.3 Detected	Aimp2	1.130843224	0.87216158	1.01655147	0.7840142
A_52_P1806	565 Detected	521.2 Detected	516.2 Detected	638.9 Detected	Txlng	1.13079646	0.91362832	1.22582502	0.9904068
A_51_P3249	9611.7 Detected	8051.1 Detected	7640.8 Detected	10868.6 Detected	Man2a1	1.13076771	0.79494782	1.34995218	0.949038
A_51_P4816	2125.3 Detected	2023.2 Detected	2063.6 Detected	2403.2 Detected	Zfp787	1.130758011	0.9709688	1.18782127	1.0199684
A_51_P3284	2572 Detected	1524.4 Detected	2361.3 Detected	2908.3 Detected	1700025G04Rik	1.130754277	0.91807932	1.90783259	1.5490029
A_55_P2122	593.5 Detected	581.6 Detected	603.2 Detected	671.1 Detected	Ubr2	1.130749789	1.01634372	1.15388583	1.0371389

A_55_P2011	1125.2 Detected	1235 Detected	1139.9 Detected	1272.3 Detected	Cdk2	1.130732314	1.01306434	1.03020243	0.922996
A_55_P2159	5266.8 Detected	6592.2 Detected	5936.4 Detected	5955.3 Detected	Tatdn2	1.130724539	1.12713602	0.90338582	0.9005188
A_55_P2003	15518.8 Detected	14896.9 Detected	17666.1 Detected	17546.7 Detected	Rnf7	1.130673763	1.13836766	1.17787593	1.185891
A_52_P3305	8155.1 Detected	5081.7 Detected	8725 Detected	9219.7 Detected	Mis18a	1.130544077	1.06988265	1.81429443	1.7169451
A_55_P1954	52.1 Detected	41.6 Detected	47.6 Detected	58.9 Detected	D3Bwg0562e	1.130518234	0.91362764	1.41586538	1.1442308
A_51_P1286	81.3 Detected	94.3 Detected	85.9 Detected	91.9 Detected	Slc16a8	1.130381304	1.05658057	0.97454931	0.9109226
A_52_P2390	5153.3 Detected	4741.6 Detected	5458.1 Detected	5825.1 Detected	Zfp148	1.130363068	1.05914657	1.22850936	1.1511093
A_51_P1757	22442.3 Detected	19317.6 Detected	18596 Detected	25367.8 Detected	Flii	1.130356514	0.82861382	1.31319626	0.9626455
A_55_P2068	109.7 Detected	142 Detected	35.6 Detected	124 Detected	Hspa1a	1.130355515	0.32452142	0.87323944	0.2507042
A_55_P1981	3673.2 Detected	3011.4 Detected	3467.5 Detected	4152 Detected	Rreb1	1.130349559	0.94399978	1.37876071	1.1514578
A_55_P2067	1720 Detected	1898.1 Detected	1404.6 Detected	1944.2 Detected	Gmeb1	1.130348837	0.81662791	1.02428745	0.7400032
A_55_P2001	38443.9 Detected	35028.3 Detected	40174.1 Detected	43455 Detected	Lrrc19	1.130348378	1.04500584	1.24056834	1.1469041
A_55_P2021	128.9 Detected	75.3 Detected	162.4 Detected	145.7 Detected	Dyrk1b	1.130333592	1.25989139	1.93492696	2.1567065
A_52_P3596	4961.4 Detected	4798.9 Detected	3330.2 Detected	5608 Detected	Luzp1	1.130326118	0.67122183	1.16860114	0.6939507
A_55_P2103	56.1 Detected	50.8 Detected	47.3 Detected	63.4 Detected	Gm10362	1.130124777	0.84313725	1.2480315	0.9311024
A_51_P3450	26411.9 Detected	34166.6 Detected	28622.3 Detected	29846.9 Detected	Metap2	1.130055013	1.08368955	0.87356951	0.8377275
A_51_P1360	216.3 Detected	176.5 Detected	283 Detected	244.4 Detected	Ube2v2	1.129912159	1.30836801	1.38470255	1.6033994
A_51_P4873	7032.6 Detected	6140.8 Detected	8739.5 Detected	7946 Detected	Pstk	1.129880841	1.24271251	1.29396821	1.4231859
A_55_P2054	3066.6 Detected	2432.1 Detected	2705.5 Detected	3464.5 Detected	Rbm6	1.129752821	0.88224744	1.42448912	1.1124131
A_55_P1991	840.1 Detected	676 Detected	565 Detected	949.1 Detected	Iqsec2	1.129746459	0.67253898	1.40399408	0.8357988
A_52_P5777	37 Detected	107 Detected	88.9 Detected	41.8 Not Detect	Lpxn	1.12972973	2.4027027	0.39065421	0.8308411
A_51_P5092	1705.9 Detected	1470.4 Detected	1684.5 Detected	1927.2 Detected	Tnrc6a	1.129726244	0.9874553	1.31066376	1.1456066
A_51_P2923	143792.1 Detected	164036.1 Detected	143461.5 Detected	162444.7 Detected	Rps3a1	1.129719227	0.99770085	0.99029848	0.8745727
A_66_P1121	3151.7 Detected	3723.3 Detected	4215.1 Detected	3560.4 Detected	Rab7i1	1.129676048	1.33740521	0.95624849	1.1320871
A_52_P5903	11072.6 Detected	10968.3 Detected	9853.9 Detected	12508.4 Detected	Rab10	1.129671441	0.88993552	1.14041374	0.8983981
A_51_P1843	29277.9 Detected	35649.8 Detected	31757.1 Detected	33071.9 Detected	Aimp1	1.129585797	1.0846782	0.92768823	0.8908072
A_55_P2037	26990.6 Detected	21447.3 Detected	22706.6 Detected	30486.4 Detected	Cttn	1.129519166	0.84127807	1.42145631	1.058716
A_55_P1964	80066.6 Detected	66243.5 Detected	96880 Detected	90434.1 Detected	Ndufs6	1.129485953	1.20999268	1.36517696	1.4624831
A_55_P2065	21794.7 Detected	20972 Detected	27514.3 Detected	24616.2 Detected	Gm5848	1.129458079	1.26243077	1.17376502	1.311954
A_51_P3221	368.8 Detected	458.9 Detected	377.9 Detected	416.5 Detected	Rab10os	1.129338395	1.02467462	0.90760514	0.823491
A_51_P4849	5505.9 Detected	6039.5 Detected	5671.1 Detected	6217.7 Detected	Polrmt	1.1292795	1.03000418	1.02950575	0.9390016
A_55_P2201	244.5 Detected	250.5 Detected	221.6 Detected	276.1 Detected	2310047N11Rik	1.129243354	0.90633947	1.10219561	0.8846307
A_51_P4036	11334.7 Detected	9610.5 Detected	11886.7 Detected	12799.6 Detected	Uba5	1.129240297	1.04870001	1.33183497	1.2368451
A_55_P2159	195.9 Detected	203.7 Detected	239.5 Detected	221.2 Detected	Mob1a	1.129147524	1.22256253	1.08591065	1.1757486
A_51_P3947	6729.4 Detected	7565.9 Detected	6201.6 Detected	7598 Detected	Kti12	1.1290754	0.92156804	1.00424272	0.8196778
A_52_P5950	402.1 Detected	424.5 Detected	444.7 Detected	454 Detected	Vps72	1.12907237	1.1059438	1.06949352	1.0475854
A_51_P3922	1570.9 Detected	1921.7 Detected	1235.4 Detected	1773.6 Detected	Pcnx14	1.129034312	0.78642816	0.92293282	0.6428683
A_52_P5619	6016.2 Detected	4944.1 Detected	6528.7 Detected	6791.9 Detected	Sptssa	1.128935208	1.08518666	1.3737384	1.3205032
A_66_P1016	419973.7 Detected	443124 Detected	306397.8 Detected	474120.6 Detected	COX1	1.128929264	0.72956426	1.06995017	0.6914493
A_55_P2140	9548.6 Detected	9556.9 Detected	11404.2 Detected	10779.5 Detected	Pex13	1.12890895	1.19433215	1.12792851	1.1932949

A_55_P2328	39.6	Detected	64.3	Detected	29.3	Detected	44.7	Detected	A530064N14Rik	1.128787879	0.73989899	0.69517885	0.4556765
A_55_P2016	125.8	Detected	168.3	Detected	124	Detected	142	Detected	Cdk1	1.128775835	0.98569157	0.84373143	0.7367796
A_51_P2628	78247.9	Detected	80509.8	Detected	88954.1	Detected	88310.4	Detected	Tmed9	1.1285977	1.13682412	1.09689007	1.1048854
A_55_P2089	6076.9	Detected	5605	Detected	7203.5	Detected	6858.3	Detected	Rnf121	1.128585298	1.18539058	1.22360393	1.2851918
A_55_P2052	11379	Detected	10701.9	Detected	11223.9	Detected	12841.9	Detected	Sepw1	1.128561385	0.98636963	1.19996449	1.0487764
A_51_P3514	2264.7	Detected	2525.2	Detected	2272.1	Detected	2555.7	Detected	Ccnl1	1.12849384	1.00326754	1.01207825	0.8997703
A_51_P1775	13006.3	Detected	15664.4	Detected	14475.8	Detected	14676.7	Detected	Emc6	1.128430069	1.11298371	0.9369462	0.9241209
A_55_P2060	4235.3	Detected	2998.2	Detected	3896.6	Detected	4778.4	Detected	Spidr	1.128231766	0.92002928	1.59375625	1.2996465
A_55_P2096	160.7	Detected	128.8	Detected	133.5	Detected	181.3	Detected	Cdc42bpa	1.128189172	0.83074051	1.4076087	1.0364907
A_55_P2048	887.2	Detected	415.1	Detected	1178.6	Detected	1000.9	Detected	Cd82	1.128155996	1.32844905	2.41122621	2.8393158
A_55_P2027	1087.2	Detected	928	Detected	852.8	Detected	1226.5	Detected	Fbf1	1.128127299	0.78440029	1.32165948	0.9189655
A_52_P1361	28.1	Detected	26.6	Detected	35.6	Detected	31.7	Not Detect	Fdft1	1.128113879	1.26690391	1.19172932	1.3383459
A_55_P2214	154.7	Detected	154.8	Detected	118.3	Detected	174.5	Detected	Phtf1os	1.127989657	0.76470588	1.12726098	0.7642119
A_52_P4912	54.7	Detected	43.9	Detected	50.4	Detected	61.7	Detected	Tet3	1.12797075	0.9213894	1.40546697	1.1480638
A_55_P2081	151280.8	Detected	175963.6	Detected	179310.8	Detected	170625.1	Detected	Atp5g2	1.127870159	1.18528458	0.96966134	1.0190221
A_55_P2112	10998.3	Detected	10001.4	Detected	8125.4	Detected	12404.5	Detected	Arhgap17	1.127856123	0.7387869	1.24027636	0.8124263
A_55_P1962	300920	Detected	306720.8	Detected	304731.8	Detected	339392	Detected	LOC100505283	1.127847933	1.01266715	1.10651772	0.9935153
A_55_P2157	110735	Detected	99064.6	Detected	104180.8	Detected	124886.5	Detected	Wdr34	1.12779609	0.94081185	1.26065719	1.0516451
A_55_P1953	28.2	Detected	21.9	Detected	22.4	Detected	31.8	Not Detect	Rbfox1	1.127659574	0.79432624	1.45205479	1.0228311
A_55_P2063	221.7	Detected	206	Detected	182	Detected	250	Detected	Rgp1	1.127649977	0.82092918	1.21359223	0.8834951
A_52_P4623	2100.4	Detected	2347.8	Detected	2436.2	Detected	2368.4	Detected	Dr1	1.127594744	1.15987431	1.00877417	1.0376523
A_52_P2154	188.1	Detected	172.4	Detected	185.2	Detected	212.1	Detected	Plekha1	1.127591707	0.98458267	1.23027842	1.0742459
A_51_P1583	3127.5	Detected	2454.6	Detected	3217.9	Detected	3526.5	Detected	Cdk19	1.127577938	1.02890488	1.4366903	1.3109672
A_55_P1987	977.1	Detected	695.7	Detected	1045.9	Detected	1101.7	Detected	Tbl1xr1	1.127520213	1.07041244	1.58358488	1.5033779
A_52_P4086	572.5	Detected	541.8	Detected	509.2	Detected	645.5	Detected	Mycbp	1.127510917	0.88943231	1.19139904	0.9398302
A_55_P2257	182.8	Detected	160.1	Detected	154.5	Detected	206.1	Detected	E330011O21Rik	1.127461707	0.845186	1.28732042	0.9650219
A_55_P2144	161665.1	Detected	172710.1	Detected	175666	Detected	182263.7	Detected	LOC101056141	1.127415255	1.08660434	1.05531582	1.0171148
A_55_P2035	10356.8	Detected	12121.4	Detected	10713.3	Detected	11676.4	Detected	Rhot1	1.127413873	1.03442183	0.96328807	0.8838336
A_55_P2125	16.5	Detected	23.5	Detected	21.7	Detected	18.6	Not Detect	Lrrc4b	1.127272727	1.31515152	0.79148936	0.9234043
A_55_P2085	81	Detected	89.2	Detected	78.9	Detected	91.3	Detected	Gm6287	1.127160494	0.97407407	1.0235426	0.8845291
A_55_P2161	6784.6	Detected	6735	Detected	7899.2	Detected	7647	Detected	Tomm40	1.127111399	1.16428382	1.13541203	1.1728582
A_55_P2010	4188.9	Detected	4430	Detected	4758.3	Detected	4721.2	Detected	Mrps23	1.127073933	1.13593067	1.06573363	1.0741084
A_55_P2113	18.1	Detected	10.9	Not Detect	12.4	Not Detect	20.4	Not Detect	Nupr1l	1.127071823	0.68508287	1.87155963	1.1376147
A_51_P5130	13265.2	Detected	15096.4	Detected	13488.9	Detected	14950.8	Detected	Gins4	1.127069324	1.01686367	0.99035532	0.8935177
A_66_P1255	3678.5	Detected	3781.6	Detected	3594.8	Detected	4145.9	Detected	H2afy2	1.127062661	0.97724616	1.09633488	0.9506029
A_55_P2146	232160.1	Detected	233077.8	Detected	223285.5	Detected	261657.9	Detected	Gla	1.127058009	0.96177379	1.12262043	0.957987
A_55_P1986	2682.8	Detected	2080.8	Detected	2755.2	Detected	3023.6	Detected	Fam134a	1.12703146	1.02698673	1.45309496	1.3241061
A_52_P2879	3123.9	Detected	3886.4	Detected	3993.4	Detected	3520.7	Detected	Isg2012	1.127020711	1.27833797	0.90590263	1.0275319
A_55_P2022	1232.1	Detected	1357.2	Detected	1311	Detected	1388.6	Detected	Tmem209	1.127018911	1.06403701	1.02313587	0.9659593
A_51_P4793	63.8	Detected	87.3	Detected	84.6	Detected	71.9	Detected	Klhdc9	1.126959248	1.32601881	0.82359679	0.9690722

A_55_P2184	85.9	Detected	83.4	Detected	71.7	Detected	96.8	Detected	Btbd10	1.126891735	0.8346915	1.16067146	0.8597122
A_55_P2027	1027.4	Detected	1146.3	Detected	931.1	Detected	1157.7	Detected	Cryba4	1.126824995	0.90626825	1.00994504	0.8122656
A_66_P1297	11066	Detected	14548.3	Detected	13405.4	Detected	12468.8	Detected	Ccdc59	1.126766673	1.2114043	0.85706234	0.921441
A_55_P1961	21414.1	Detected	20171.1	Detected	18834.2	Detected	24128.5	Detected	Tes	1.126757604	0.8795233	1.19619158	0.933722
A_66_P1095	6802.1	Detected	6863.4	Detected	4430.8	Detected	7664.1	Detected	Ube4b	1.12672557	0.65138707	1.1166623	0.6455693
A_55_P2078	1949.9	Detected	2120.3	Detected	1806	Detected	2196.9	Detected	Pqlc1	1.126673163	0.92620134	1.03612696	0.8517663
A_55_P1957	51454.9	Detected	52455	Detected	47361.3	Detected	57971.6	Detected	Tnfaip1	1.126648774	0.92044295	1.10516824	0.9028939
A_55_P2041	302591.9	Detected	299233.5	Detected	278357.3	Detected	340909.3	Detected	Rn4.5s	1.12663062	0.91990995	1.13927518	0.9302344
A_51_P4821	2196.9	Detected	1828.6	Detected	1215.9	Detected	2474.9	Detected	Edn2	1.126541945	0.5534617	1.35343979	0.6649349
A_55_P1993	4246.3	Detected	3203	Detected	4348	Detected	4783.5	Detected	Taz	1.126510138	1.02395026	1.49344365	1.3574774
A_55_P2260	2039.4	Detected	1779.5	Detected	1591.8	Detected	2297.3	Detected	Gm17753	1.126458762	0.78052368	1.29098061	0.8945209
A_55_P1953	241907.2	Detected	258324.1	Detected	246926.6	Detected	272496.8	Detected	LOC100505283	1.126451796	1.02074928	1.05486403	0.9558791
A_52_P5944	726.8	Detected	533.4	Detected	653.4	Detected	818.7	Detected	Anks3	1.126444689	0.89900936	1.53487064	1.2249719
A_52_P1988	6491.2	Detected	5046.7	Detected	7421.6	Detected	7311.7	Detected	Samd5	1.126401898	1.14333251	1.44880813	1.4705847
A_51_P4070	18766.4	Detected	22398.4	Detected	15757.4	Detected	21138.5	Detected	Prkrip1	1.126401441	0.83966024	0.94375045	0.7035056
A_55_P2164	19	Detected	39.2	Detected	15.6	Not Detect	21.4	Not Detect	Kcnj15	1.126315789	0.82105263	0.54591837	0.3979592
A_55_P1968	1073.5	Detected	997.8	Detected	966.2	Detected	1209	Detected	Tle1	1.126222636	0.90004658	1.21166566	0.9683303
A_66_P1000	17414.1	Detected	17958.9	Detected	20602.7	Detected	19612	Detected	Ncaph2	1.126213815	1.1831045	1.09204907	1.1472139
A_52_P4561	902.8	Detected	900.6	Detected	951	Detected	1016.7	Detected	Fchsd1	1.126163048	1.05338946	1.12891406	1.0559627
A_55_P1972	634.9	Detected	558.5	Detected	464.8	Detected	715	Detected	Napb	1.1261616	0.73208379	1.28021486	0.8322292
A_51_P4257	1643.2	Detected	1956.8	Detected	1588.8	Detected	1850.5	Detected	Mtus2	1.12615628	0.96689387	0.94567661	0.8119379
A_55_P1998	38881.9	Detected	70391.3	Detected	36884.9	Detected	43787	Detected	Trmt1	1.126153814	0.94863934	0.6220513	0.523998
A_55_P2373	585.8	Detected	395.5	Detected	595.6	Detected	659.7	Detected	2310058N22Rik	1.12615227	1.01672926	1.66801517	1.5059418
A_51_P1719	5557.9	Detected	5198.8	Detected	4873.6	Detected	6259	Detected	1110058L19Rik	1.126144767	0.87687796	1.20393168	0.9374471
A_55_P2151	38666.5	Detected	38293	Detected	46318.2	Detected	43543.7	Detected	Tufm	1.126135026	1.19788965	1.13711906	1.2095736
A_55_P2369	76.2	Detected	66.4	Detected	78.5	Detected	85.8	Detected	Gm5919	1.125984252	1.03018373	1.29216867	1.1822289
A_51_P1568	17040.6	Detected	16253.7	Detected	20354	Detected	19187.3	Detected	Smim3	1.125975611	1.19444151	1.18048814	1.2522687
A_51_P4954	6299	Detected	5671.6	Detected	6146.3	Detected	7092.4	Detected	Tmem55a	1.125956501	0.97575806	1.25051132	1.0836977
A_55_P1974	326842.8	Detected	360797.7	Detected	332435.3	Detected	367927.8	Detected	Sprr2a2	1.125702631	1.01711067	1.01976204	0.9213897
A_55_P2148	261.8	Detected	255	Detected	313.3	Detected	294.7	Detected	Krt2	1.125668449	1.19671505	1.15568627	1.2286275
A_55_P2028	1343.9	Detected	1478.5	Detected	1611.6	Detected	1512.7	Detected	Dusp12	1.125604584	1.19919637	1.02313155	1.0900237
A_55_P2008	42590.1	Detected	39866.6	Detected	41746.6	Detected	47938.7	Detected	Cltc	1.125583175	0.98019493	1.20247776	1.0471573
A_52_P4034	16444	Detected	12947.3	Detected	14801.5	Detected	18508.4	Detected	Tns3	1.125541231	0.90011554	1.42951812	1.1432113
A_55_P2128	87.7	Detected	67	Detected	84.3	Detected	98.7	Detected	D830031N03Rik	1.125427594	0.96123147	1.47313433	1.258209
A_51_P2692	239.6	Detected	996.6	Detected	236.9	Detected	269.6	Detected	Trpv4	1.125208681	0.98873122	0.27051977	0.2377082
A_52_P4453	41259.5	Detected	37212.2	Detected	50702.4	Detected	46425.1	Detected	Cwc15	1.125197833	1.22886608	1.24757741	1.3625209
A_55_P2083	88.7	Detected	64.8	Detected	77.1	Detected	99.8	Detected	Rab8b	1.125140924	0.8692221	1.54012346	1.1898148
A_55_P2052	410	Detected	443.4	Detected	568.4	Detected	461.3	Detected	Dyrk2	1.125121951	1.38634146	1.04036987	1.2819125
A_51_P4808	20.8	Detected	28.4	Detected	10.4	Not Detect	23.4	Not Detect	Pga5	1.125	0.5	0.82394366	0.3661972
A_55_P2207	33.6	Detected	22.3	Detected	21.2	Detected	37.8	Not Detect	Gm10065	1.125	0.63095238	1.69506726	0.9506726

A_55_P2151	14628.3	Detected	14117	Detected	13302.1	Detected	16455	Detected	Casc3	1.124874387	0.90934011	1.16561592	0.9422753
A_51_P4013	60.9	Detected	61.8	Detected	56.6	Detected	68.5	Detected	Cldn14	1.124794745	0.92939245	1.10841424	0.9158576
A_52_P4560	376.7	Detected	335.7	Detected	373.9	Detected	423.7	Detected	2510003E04Rik	1.12476772	0.99256703	1.26213881	1.1137921
A_55_P2159	998.7	Detected	1218.6	Detected	1167	Detected	1123.3	Detected	Yaf2	1.124762191	1.16851907	0.9217955	0.9576563
A_55_P2003	51.3	Detected	59.8	Detected	85.4	Detected	57.7	Detected	4930480K23Rik	1.124756335	1.66471735	0.96488294	1.4280936
A_55_P2230	179.6	Detected	198.3	Detected	154.4	Detected	202	Detected	A730046J19Rik	1.124721604	0.8596882	1.0186586	0.7786183
A_66_P1332	15714.2	Detected	17588.2	Detected	14013.7	Detected	17673.6	Detected	Nfyc	1.124689771	0.89178577	1.00485553	0.7967672
A_55_P2017	70.6	Detected	59.2	Detected	57.2	Detected	79.4	Detected	Aldh16a1	1.124645892	0.8101983	1.34121622	0.9662162
A_55_P2056	261375.7	Detected	300847.2	Detected	284281.5	Detected	293954.2	Detected	Rps3a1	1.124642421	1.08763554	0.97708804	0.9449365
A_55_P2101	585.1	Detected	590.7	Detected	566.5	Detected	658	Detected	Det1	1.124594086	0.96821056	1.11393262	0.9590317
A_51_P3544	916.3	Detected	981.6	Detected	1043.9	Detected	1030.4	Detected	Ppie	1.124522536	1.1392557	1.04971475	1.0634678
A_55_P2014	1412.9	Detected	871.3	Detected	1511.7	Detected	1588.8	Detected	Gm20056	1.124495718	1.0699271	1.82348215	1.7349937
A_66_P1022	9958.2	Detected	11948.1	Detected	10854.5	Detected	11197.6	Detected	Nemf	1.124460244	1.09000623	0.93718667	0.9084708
A_55_P1978	175.3	Detected	188	Detected	149.3	Detected	197.1	Detected	Trit1	1.124358243	0.85168283	1.04840426	0.7941489
A_51_P3947	46987.9	Detected	36162.8	Detected	50812.5	Detected	52826.7	Detected	Actn4	1.124261778	1.08139542	1.46080226	1.4051041
A_52_P2701	1103.6	Detected	792.3	Detected	908.6	Detected	1240.7	Detected	Zfp329	1.124229793	0.82330555	1.56594724	1.1467878
A_52_P2537	3871.2	Detected	3324	Detected	3943.4	Detected	4352	Detected	Zbtb45	1.124199215	1.01865055	1.30926594	1.1863418
A_55_P2025	719.9	Detected	595.7	Detected	612.6	Detected	809.3	Detected	Csf1r	1.124183914	0.85095152	1.35856975	1.02837
A_55_P1988	33259	Detected	27633.8	Detected	30976.7	Detected	37388.8	Detected	Prc1	1.124170901	0.93137797	1.35300972	1.1209714
A_52_P2474	41.9	Detected	43.9	Detected	37.9	Detected	47.1	Detected	0610040B10Rik	1.124105012	0.90453461	1.07289294	0.8633257
A_55_P2270	79.8	Detected	67.4	Detected	124.1	Detected	89.7	Detected	4930528J11Rik	1.12406015	1.55513784	1.33086053	1.8412463
A_51_P3095	38.7	Detected	38.4	Detected	48.7	Detected	43.5	Not Detect	Nepn	1.124031008	1.25839793	1.1328125	1.2682292
A_55_P2120	1604.8	Detected	1852.5	Detected	1312.2	Detected	1803.6	Detected	Snx16	1.123878365	0.81767198	0.97360324	0.7083401
A_66_P1009	54.1	Detected	50	Detected	48.2	Detected	60.8	Detected	Eqtn	1.123844732	0.8909427	1.216	0.964
A_51_P2450	73.5	Detected	162	Detected	29.5	Detected	82.6	Detected	Aqp3	1.123809524	0.40136054	0.50987654	0.1820988
A_51_P4963	1739.2	Detected	1594.2	Detected	1842.1	Detected	1954.5	Detected	Ptk7	1.123792548	1.05916513	1.22600677	1.1555012
A_55_P2032	6229.8	Detected	2847.4	Detected	5377.7	Detected	7000.6	Detected	1190002N15Rik	1.123727889	0.86322193	2.4585938	1.8886352
A_51_P1965	12842.7	Detected	14035.6	Detected	17229.3	Detected	14431.1	Detected	Hadh	1.123681157	1.34156369	1.02817835	1.2275428
A_55_P2039	296.8	Detected	197.6	Detected	71.1	Detected	333.5	Detected	5-Sep	1.123652291	0.23955526	1.68775304	0.3598178
A_55_P2025	2669.6	Detected	3491.1	Detected	3019.5	Detected	2999.6	Detected	Llph	1.123614025	1.13106832	0.85921343	0.8649136
A_55_P2179	9674	Detected	7534	Detected	9629.6	Detected	10869.7	Detected	Alg1	1.123599338	0.99541038	1.44275285	1.2781524
A_55_P2136	42812.5	Detected	49480.8	Detected	43000.8	Detected	48102.9	Detected	Zkscan1	1.123571387	1.00439825	0.97215284	0.8690401
A_55_P2110	4125.4	Detected	4204.8	Detected	6048.9	Detected	4635.1	Detected	Zfp637	1.123551656	1.46625782	1.10233543	1.4385702
A_55_P2112	4674.8	Detected	3467.8	Detected	4068.2	Detected	5252	Detected	Tnk2	1.123470523	0.87024044	1.51450487	1.1731357
A_51_P2908	3995.4	Detected	3730.5	Detected	4306.7	Detected	4488.7	Detected	Hint3	1.123466987	1.0779146	1.20324353	1.1544565
A_51_P2767	434.3	Detected	311.2	Detected	375.1	Detected	487.9	Detected	Olf1r1350	1.123416993	0.86368869	1.56780206	1.2053342
A_55_P1964	105551	Detected	107748.6	Detected	118229.2	Detected	118577.6	Detected	Mlf2	1.123415221	1.12011445	1.10050247	1.097269
A_55_P2112	240.7	Detected	215.4	Detected	180.7	Detected	270.4	Detected	Olf1r1008	1.123390112	0.75072705	1.2553389	0.8389044
A_55_P1983	7548.4	Detected	10170.9	Detected	3812.9	Detected	8479.7	Detected	Pmepa1	1.12337714	0.50512691	0.8337217	0.3748832
A_55_P1975	107.8	Detected	64.6	Detected	154.8	Detected	121.1	Detected	Oraov1	1.123376623	1.43599258	1.874613	2.3962848

A_52_P3980	73.8	Detected	68.3	Detected	66.5	Detected	82.9	Detected	Map3k15	1.123306233	0.90108401	1.21376281	0.9736457
A_66_P1323	27704.2	Detected	27909.7	Detected	38779.2	Detected	31119.5	Detected	Mrpl21	1.123277337	1.39975888	1.11500661	1.3894524
A_55_P2004	17290.1	Detected	17435.4	Detected	23090.5	Detected	19420.9	Detected	Nabp2	1.123238154	1.33547521	1.11387751	1.3243459
A_55_P2238	47.9	Detected	31.9	Detected	42	Detected	53.8	Detected	Wdr7	1.123173278	0.87682672	1.68652038	1.3166144
A_55_P2127	34.1	Detected	30.6	Detected	37.9	Detected	38.3	Not Detect	Phc3	1.123167155	1.11143695	1.25163399	1.2385621
A_55_P2039	38188.1	Detected	42003.3	Detected	40162.1	Detected	42891.6	Detected	Gfra4	1.123166641	1.0516915	1.02114834	0.9561653
A_55_P2084	86.9	Detected	61.5	Detected	86.5	Detected	97.6	Detected	Slc8b1	1.123130035	0.99539701	1.58699187	1.4065041
A_51_P3755	463.8	Detected	577.8	Detected	551.7	Detected	520.9	Detected	Spty2d1	1.123113411	1.18952135	0.90152302	0.9548287
A_55_P2159	6992.9	Detected	7345.1	Detected	7112.7	Detected	7853.6	Detected	Atf1	1.123081983	1.01713166	1.06922983	0.9683599
A_55_P2098	970.4	Detected	878	Detected	977.2	Detected	1089.8	Detected	Coq5	1.123042045	1.00700742	1.24123007	1.1129841
A_66_P1018	206	Detected	250.8	Detected	185	Detected	231.3	Detected	Cyp2u1	1.122815534	0.89805825	0.9222488	0.7376396
A_51_P4149	421.8	Detected	394.3	Detected	415.9	Detected	473.6	Detected	Pigw	1.122807018	0.98601233	1.2011159	1.0547806
A_55_P2001	5735.3	Detected	5976.9	Detected	7174.3	Detected	6439.4	Detected	Cab39l	1.122766028	1.25090231	1.07738125	1.200338
A_52_P7384	1260.3	Detected	1177.4	Detected	1551.8	Detected	1415	Detected	Clint1	1.122748552	1.23129414	1.20180058	1.3179888
A_52_P2366	16.3	Detected	11.1	Not Detect	9.7	Not Detect	18.3	Not Detect	Cldn19	1.122699387	0.59509202	1.64864865	0.8738739
A_55_P2230	552.3	Detected	576.2	Detected	500.2	Detected	620	Detected	Pigm	1.122578309	0.90566721	1.07601527	0.8681014
A_51_P1423	782.6	Detected	1088	Detected	707.4	Detected	878.5	Detected	Fancm	1.12254025	0.90391004	0.80744485	0.6501838
A_51_P4831	24746.4	Detected	24324.7	Detected	24704.4	Detected	27777.5	Detected	Gchfr	1.122486503	0.99830278	1.14194625	1.0156096
A_52_P1377	154599.1	Detected	156053.8	Detected	136918.5	Detected	173529.5	Detected	Lmna	1.12244832	0.88563582	1.1119851	0.8773801
A_55_P2114	28.6	Detected	37.9	Detected	20.7	Detected	32.1	Not Detect	Usp18	1.122377622	0.72377622	0.8469657	0.5461741
A_55_P2038	242031	Detected	260486.1	Detected	302322	Detected	271643.2	Detected	Rpsa	1.12234879	1.24910445	1.04283184	1.160607
A_51_P5211	51.5	Detected	37.5	Detected	28.4	Detected	57.8	Detected	Fbxw27	1.122330097	0.55145631	1.54133333	0.7573333
A_65_P0344	270066.2	Detected	255093.2	Detected	278416.2	Detected	303100.8	Detected	Pgk1	1.122320379	1.03091835	1.18819631	1.0914293
A_51_P1306	17273.7	Detected	18946.5	Detected	16746.5	Detected	19386.6	Detected	Mrps30	1.122318901	0.96947961	1.02322856	0.8838836
A_51_P3581	27.8	Detected	23	Detected	29.9	Detected	31.2	Not Detect	Olfrc332	1.122302158	1.07553957	1.35652174	1.3
A_51_P4287	43862.8	Detected	54132.2	Detected	56451	Detected	49227.3	Detected	Mrpl13	1.122301814	1.28699034	0.90939034	1.0428359
A_55_P2006	485.1	Detected	466.3	Detected	362	Detected	544.4	Detected	3300002108Rik	1.122242837	0.74623789	1.16748874	0.7763243
A_55_P2051	36	Detected	25.1	Detected	9.7	Not Detect	40.4	Not Detect	Zfp704	1.122222222	0.26944444	1.60956175	0.3864542
A_51_P1212	818.7	Detected	756.4	Detected	969.7	Detected	918.7	Detected	Ints4	1.122144864	1.18443874	1.21456901	1.2819937
A_55_P2044	79483.6	Detected	81156.1	Detected	76261.6	Detected	89191	Detected	Ybx1	1.122130855	0.95946334	1.0990055	0.9396903
A_55_P2110	185.9	Detected	170	Detected	109.8	Detected	208.6	Detected	Zscan20	1.122108661	0.59064013	1.22705882	0.6458824
A_55_P2159	93.4	Detected	83	Detected	75.2	Detected	104.8	Detected	Plekha4	1.122055675	0.80513919	1.2626506	0.9060241
A_55_P2141	16790.8	Detected	17810.7	Detected	22026.6	Detected	18839.9	Detected	Aen	1.122037068	1.31182552	1.05778549	1.236706
A_55_P2147	7291.5	Detected	6243.9	Detected	5971.2	Detected	8181	Detected	Zglp1	1.12199136	0.81892615	1.31023879	0.9563254
A_55_P2085	4224.3	Detected	4298.9	Detected	4950.2	Detected	4738.7	Detected	Smarcal1	1.121771654	1.17183912	1.10230524	1.1515039
A_51_P4299	28095.3	Detected	24537.2	Detected	25964.4	Detected	31516.5	Detected	Supt5	1.121771257	0.92415457	1.28443751	1.0581647
A_51_P2080	557.3	Detected	500.3	Detected	605.2	Detected	625.1	Detected	Cnot6l	1.121657994	1.08595012	1.24945033	1.2096742
A_55_P2186	706.1	Detected	858.1	Detected	801.7	Detected	792	Detected	Shmt1	1.121654157	1.13539159	0.92296935	0.9342734
A_52_P5869	14.8	Detected	8.4	Not Detect	3.3	Not Detect	16.6	Not Detect	Pdyn	1.121621622	0.22297297	1.97619048	0.3928571
A_55_P2116	1901.8	Detected	1769.3	Detected	1937.1	Detected	2133	Detected	1700024P12Rik	1.12156904	1.01856136	1.20556152	1.0948398

A_55_P2067	4501.7	Detected	4494.9	Detected	4575.6	Detected	5048.9	Detected	Tmpo	1.12155408	1.01641602	1.1232508	1.0179537
A_55_P2224	264.1	Detected	258.2	Detected	303.6	Detected	296.2	Detected	Fam219b	1.121544869	1.14956456	1.14717273	1.1758327
A_51_P4636	660.2	Detected	772.7	Detected	597.9	Detected	740.4	Detected	Xpnppe3	1.12147834	0.90563466	0.95819852	0.7737803
A_51_P4530	16992.4	Detected	12539.3	Detected	15104.5	Detected	19056.2	Detected	Aacs	1.121454297	0.88889739	1.51971801	1.2045728
A_55_P2046	159.8	Detected	155.3	Detected	128.5	Detected	179.2	Detected	Tnfrsf14	1.121401752	0.80413016	1.15389569	0.8274308
A_51_P4483	977	Detected	1233.2	Detected	798.6	Detected	1095.6	Detected	Nkiras1	1.121392016	0.8174002	0.88842037	0.6475835
A_51_P5009	103	Detected	53.5	Detected	99.1	Detected	115.5	Detected	Aff1	1.121359223	0.96213592	2.1588785	1.8523364
A_55_P1983	261.3	Detected	143.4	Detected	193.9	Detected	293	Detected	Slc8b1	1.121316494	0.74205894	2.0432357	1.3521618
A_55_P2185	1516.1	Detected	1651.5	Detected	1559.1	Detected	1700	Detected	Snrnp40	1.121298067	1.02836225	1.02936724	0.9440509
A_55_P2002	2913.4	Detected	2981.1	Detected	2654.5	Detected	3266.6	Detected	Arfp1	1.121232924	0.91113476	1.09577002	0.8904431
A_55_P2070	146.2	Detected	110	Detected	500.7	Detected	163.9	Detected	Lcn2	1.121067031	3.4247606	1.49	4.5518182
A_52_P5594	3908.2	Detected	3800.4	Detected	3691	Detected	4381.3	Detected	Clk3	1.12105317	0.94442454	1.15285233	0.9712136
A_51_P2494	9421.2	Detected	6123.1	Detected	13693.8	Detected	10561.2	Detected	Dgcr14	1.121003694	1.45350911	1.72481259	2.2364162
A_55_P2326	311.6	Detected	271.3	Detected	291.5	Detected	349.3	Detected	4930525G2ORik	1.120988447	0.93549422	1.28750461	1.0744563
A_51_P1954	1308.2	Detected	1203.5	Detected	1342.5	Detected	1466.4	Detected	Ube2q2	1.120929521	1.02621923	1.2184462	1.1154965
A_55_P2040	4389.7	Detected	3898.3	Detected	4302	Detected	4920.3	Detected	Cdv3	1.120873864	0.98002141	1.26216556	1.103558
A_51_P3072	1597.5	Detected	1666.7	Detected	2354.9	Detected	1790.4	Detected	Ankrd54	1.120751174	1.47411581	1.07421852	1.4129117
A_55_P2161	3183.8	Detected	2274.1	Detected	2355.5	Detected	3568.2	Detected	Diap2	1.120736227	0.73983919	1.56906029	1.0357944
A_55_P2190	34.8	Detected	33	Detected	39.5	Detected	39	Not Detect	2010110K18Rik	1.120689655	1.13505747	1.18181818	1.1969697
A_55_P2079	138.4	Detected	95.5	Detected	169.8	Detected	155.1	Detected	Parp6	1.12066474	1.22687861	1.62408377	1.7780105
A_52_P4196	224.9	Detected	183.4	Detected	194.5	Detected	252	Detected	Srcap	1.120497999	0.86482881	1.3740458	1.0605234
A_55_P1999	57539	Detected	53186.6	Detected	50865.7	Detected	64469.4	Detected	Ptch2	1.120447001	0.88402127	1.21213614	0.9563631
A_55_P2032	3638.8	Detected	3779.1	Detected	3190.7	Detected	4076.6	Detected	Gm12666	1.120314389	0.87685501	1.07872245	0.8443016
A_55_P2014	297.6	Detected	182.2	Detected	319.4	Detected	333.4	Detected	Gm7120	1.120295699	1.07325269	1.8298573	1.7530187
A_55_P2060	1989	Detected	2368.4	Detected	2626.1	Detected	2228.2	Detected	Esco1	1.120261438	1.32031171	0.94080392	1.1088076
A_51_P2563	3164.5	Detected	3687.8	Detected	3268.5	Detected	3544.9	Detected	Mrpl37	1.120208564	1.03286459	0.96125061	0.8863008
A_55_P2097	841.9	Detected	1120.1	Detected	908.6	Detected	943.1	Detected	Zufsp	1.1202043	1.07922556	0.84197839	0.8111776
A_55_P2154	20.8	Detected	6.9	Not Detect	3.4	Not Detect	23.3	Not Detect	Ctxn2	1.120192308	0.16346154	3.37681159	0.4927536
A_51_P1518	3109.6	Detected	4272.2	Detected	3618.8	Detected	3483	Detected	R3hcc1	1.120079753	1.16375096	0.81527082	0.8470577
A_52_P4292	540.5	Detected	520.9	Detected	604.6	Detected	605.4	Detected	Ppp6r2	1.120074006	1.11859389	1.16221924	1.1606834
A_51_P2444	16584.2	Detected	6573.5	Detected	15083.1	Detected	18574.9	Detected	Nbl1	1.120035938	0.90948614	2.8257245	2.2945311
A_52_P1461	3426.5	Detected	4057.7	Detected	3702.4	Detected	3837.7	Detected	Ube2n	1.120005837	1.08051948	0.94578209	0.9124381
A_52_P3246	12115.7	Detected	13234	Detected	16934.3	Detected	13569.3	Detected	Yif1a	1.119976559	1.39771536	1.02533626	1.2796056
A_55_P2151	870.2	Detected	844	Detected	959.6	Detected	974.6	Detected	Atg7	1.11997242	1.102735	1.15473934	1.1369668
A_55_P2174	1179.5	Detected	1102.2	Detected	1596.7	Detected	1320.9	Detected	Zfp266	1.119881306	1.3537092	1.19842134	1.4486482
A_55_P2073	294.5	Detected	256	Detected	251.1	Detected	329.8	Detected	Mycbp	1.119864177	0.85263158	1.28828125	0.9808594
A_52_P4377	777.5	Detected	787.8	Detected	800.7	Detected	870.6	Detected	Fbxo28	1.119742765	1.02983923	1.10510282	1.0163747
A_51_P1403	221.4	Detected	238.2	Detected	185.5	Detected	247.9	Detected	Slc4a9	1.119692864	0.83785005	1.04072208	0.7787573
A_55_P1987	67972.6	Detected	82909.3	Detected	78927.2	Detected	76100.4	Detected	2700060E02Rik	1.119574652	1.161162	0.91787532	0.9519704
A_55_P2044	1061.9	Detected	1347.4	Detected	1245.8	Detected	1188.8	Detected	Tdg	1.119502778	1.17318015	0.88229182	0.9245955

A_55_P2058	9327.7	Detected	9653.8	Detected	8835.9	Detected	10442.3	Detected	Tmem50a	1.119493551	0.94727532	1.08167768	0.9152769
A_51_P3143	12426.8	Detected	13433.9	Detected	13243.1	Detected	13911.6	Detected	Chtop	1.119483697	1.06568867	1.03555929	0.9857971
A_51_P4119	3039	Detected	2353.2	Detected	3047.6	Detected	3402	Detected	Sirt5	1.119447187	1.00282988	1.44569097	1.2950875
A_55_P1998	4390.1	Detected	3496.1	Detected	4049.7	Detected	4914.3	Detected	Nupl2	1.119405025	0.9224619	1.40565201	1.1583479
A_55_P2080	10.9	Not Detect	19.7	Detected	16.4	Not Detect	12.2	Not Detect	Gli1	1.119266055	1.50458716	0.61928934	0.8324873
A_52_P6360	2873	Detected	3595.9	Detected	2935.3	Detected	3215.6	Detected	Gpatch4	1.119248173	1.02168465	0.89424066	0.8162908
A_55_P1981	4160	Detected	4230.5	Detected	4476.6	Detected	4656	Detected	Aatf	1.119230769	1.07610577	1.10057913	1.0581728
A_55_P2182	38.6	Detected	35	Detected	38.4	Detected	43.2	Not Detect	LOC101056551	1.119170984	0.99481865	1.23428571	1.0971429
A_52_P5634	968.6	Detected	1462	Detected	740.7	Detected	1084	Detected	Brix1	1.119141028	0.76471196	0.74145007	0.5066347
A_55_P2068	5831.4	Detected	7000.4	Detected	3511.2	Detected	6526.1	Detected	Rnf19b	1.119130912	0.60211956	0.93224673	0.5015713
A_51_P2662	10561	Detected	8602.2	Detected	12410.6	Detected	11818.5	Detected	Limd1	1.119070164	1.17513493	1.37389273	1.442724
A_66_P1252	10272	Detected	9775.6	Detected	11827.4	Detected	11494.9	Detected	Mapk1ip1l	1.119051791	1.15142134	1.17587667	1.2098899
A_55_P2410	8.4	Not Detect	21.8	Detected	18.4	Detected	9.4	Not Detect	Gm20556	1.119047619	2.19047619	0.43119266	0.8440367
A_51_P2230	261.4	Detected	184.9	Detected	245.7	Detected	292.5	Detected	Zbed3	1.118974751	0.93993879	1.58193618	1.3288264
A_52_P4936	5134.2	Detected	5374.3	Detected	6558.8	Detected	5744.9	Detected	Fgfr1op2	1.11894745	1.27747263	1.06895782	1.2204008
A_52_P1992	8074.1	Detected	9804.6	Detected	7111.3	Detected	9034.4	Detected	Urgcp	1.118935857	0.88075451	0.92144504	0.7253024
A_55_P2350	180	Detected	180.9	Detected	142.5	Detected	201.4	Detected	4933405D12Rik	1.118888889	0.79166667	1.11332228	0.787728
A_52_P5895	662	Detected	763	Detected	837.9	Detected	740.7	Detected	Nr2c1	1.118882175	1.26570997	0.97077326	1.0981651
A_55_P2103	95.9	Detected	89.2	Detected	94.7	Detected	107.3	Detected	Arid1b	1.118873827	0.98748697	1.2029148	1.0616592
A_55_P1975	12945.8	Detected	14136.8	Detected	14606.4	Detected	14484.4	Detected	Prps1l3	1.118849357	1.12827326	1.02458831	1.0332183
A_52_P3475	68979.6	Detected	75967.9	Detected	93701.2	Detected	77175	Detected	Ndufa7	1.118809039	1.35839002	1.01588961	1.2334315
A_55_P1987	736.5	Detected	786.5	Detected	640.8	Detected	824	Detected	Ccnc	1.11880516	0.8700611	1.04767959	0.8147489
A_51_P3620	72.4	Detected	72.2	Detected	68.9	Detected	81	Detected	Lrrc3b	1.11878453	0.95165746	1.12188366	0.9542936
A_55_P1953	4686	Detected	4048.1	Detected	5274.6	Detected	5242.3	Detected	Pla2g16	1.118715322	1.12560819	1.29500259	1.3029816
A_52_P1196	1866.9	Detected	2021.7	Detected	1788	Detected	2088.4	Detected	Rock1	1.118645884	0.95773743	1.03299204	0.8844042
A_55_P2225	719.8	Detected	724.3	Detected	805.9	Detected	805.2	Detected	Mettl4	1.118644068	1.11961656	1.11169405	1.1126605
A_51_P1439	21555.4	Detected	25074.1	Detected	24314.3	Detected	24112.1	Detected	Tm9sf2	1.11861065	1.12799113	0.96163372	0.9696978
A_51_P3905	25.3	Detected	26.8	Detected	40.9	Detected	28.3	Not Detect	Mpeg1	1.118577075	1.61660079	1.05597015	1.5261194
A_52_P3695	408.3	Detected	287.3	Detected	397.7	Detected	456.7	Detected	Atm	1.118540289	0.9740387	1.58962757	1.3842673
A_55_P1966	379.8	Detected	282.6	Detected	321.9	Detected	424.8	Detected	Zfp40	1.118483412	0.84755134	1.50318471	1.1390658
A_52_P6802	76	Detected	87.3	Detected	93.7	Detected	85	Detected	Ace	1.118421053	1.23289474	0.97365407	1.0733104
A_55_P2162	297.3	Detected	297.6	Detected	292.4	Detected	332.5	Detected	Rab5b	1.118398924	0.98351833	1.11727151	0.9825269
A_55_P2097	50.7	Detected	33.5	Detected	43.5	Detected	56.7	Detected	Msh4	1.118343195	0.85798817	1.69253731	1.2985075
A_55_P2121	178.3	Detected	157.9	Detected	183.4	Detected	199.4	Detected	Acaca	1.118339877	1.02860348	1.26282457	1.1614946
A_55_P2024	3936.6	Detected	4290.2	Detected	4181.9	Detected	4402.3	Detected	Crtc2	1.118300056	1.06231266	1.02612932	0.9747564
A_55_P1960	116428.6	Detected	134422	Detected	131557.4	Detected	130182.4	Detected	Ybx3	1.118130769	1.12994058	0.96846052	0.9786895
A_52_P1772	1862.7	Detected	1592.9	Detected	2128.2	Detected	2082.7	Detected	Snx24	1.118108123	1.14253503	1.30748948	1.3360537
A_51_P3542	29802	Detected	35045	Detected	33658.9	Detected	33320.3	Detected	Cluh	1.118055835	1.12941749	0.95078613	0.960448
A_55_P1970	36110.3	Detected	37597.1	Detected	35244.4	Detected	40372	Detected	Hdac1	1.118018959	0.97602069	1.07380622	0.9374234
A_55_P1988	16.1	Detected	17.5	Detected	12	Not Detect	18	Not Detect	Gm13089	1.118012422	0.74534161	1.02857143	0.6857143

A_55_P1958	27225	Detected	33998.5	Detected	30819.6	Detected	30436.1	Detected	Ncln	1.11794674	1.13203306	0.89521891	0.9064988
A_51_P4242	113.7	Detected	139.8	Detected	81.9	Detected	127.1	Detected	Mt4	1.117854002	0.72031662	0.90915594	0.5858369
A_55_P2025	3235.5	Detected	2466.1	Detected	3414.2	Detected	3616.8	Detected	Hnrrnpul1	1.117848864	1.05523103	1.46660719	1.3844532
A_55_P1985	105.3	Detected	91.7	Detected	85.4	Detected	117.7	Detected	Slc32a1	1.117758784	0.81101614	1.28353326	0.9312977
A_52_P4446	53.5	Detected	96.8	Detected	38.1	Detected	59.8	Detected	Rcbtb2	1.117757009	0.71214953	0.6177686	0.393595
A_55_P1981	997.1	Detected	984.6	Detected	1038.4	Detected	1114.5	Detected	Myo3b	1.11774145	1.04142012	1.13193175	1.0546415
A_51_P2569	2042.6	Detected	1179	Detected	2552.9	Detected	2283	Detected	Opa3	1.117693136	1.24982865	1.93638677	2.1653096
A_55_P2034	12587.9	Detected	12600.7	Detected	11055.8	Detected	14069.4	Detected	Gga3	1.117692387	0.87828788	1.11655702	0.8773957
A_55_P2076	10.2	Not Detect	17.4	Detected	9.5	Not Detect	11.4	Not Detect	F5	1.117647059	0.93137255	0.65517241	0.545977
A_66_P1368	5385.7	Detected	5224	Detected	4931.1	Detected	6019.2	Detected	Phrf1	1.117626307	0.91559129	1.15222052	0.9439319
A_55_P2005	8633.3	Detected	6672.3	Detected	11227.6	Detected	9648.8	Detected	Egln2	1.117625937	1.30049923	1.44609805	1.6827181
A_55_P2168	45.1	Detected	65.9	Detected	55.1	Detected	50.4	Not Detect	Sema3g	1.11751663	1.22172949	0.76479514	0.8361153
A_55_P2146	286.1	Detected	350.6	Detected	525.2	Detected	319.7	Detected	6530403G13Rik	1.117441454	1.83572178	0.91186537	1.4980034
A_55_P2144	12307.3	Detected	13934.4	Detected	12629.4	Detected	13752.4	Detected	Rrp1	1.117418118	1.02617146	0.9869388	0.9063469
A_51_P1940	42.6	Detected	48.7	Detected	46.8	Detected	47.6	Not Detect	Glyctk	1.117370892	1.09859155	0.97741273	0.9609856
A_51_P5135	505.3	Detected	654.4	Detected	460.5	Detected	564.6	Detected	Stx11	1.117356026	0.9113398	0.86277506	0.703698
A_52_P8435	57.1	Detected	57.3	Detected	51.5	Detected	63.8	Detected	Dnal1	1.117338004	0.90192644	1.11343805	0.8987784
A_55_P1972	37908.8	Detected	37599.2	Detected	41712	Detected	42356.9	Detected	Wars	1.117336872	1.10032499	1.12653727	1.1093853
A_55_P2159	105032.8	Detected	100498.1	Detected	115384.3	Detected	117356	Detected	Rpl22l1	1.117327159	1.09855493	1.16774347	1.1481242
A_55_P1993	379.3	Detected	381.7	Detected	488.4	Detected	423.8	Detected	Slc35d2	1.117321381	1.28763512	1.11029604	1.2795389
A_55_P2180	916.6	Detected	830.7	Detected	1042.1	Detected	1024.1	Detected	1500004F05Rik	1.117281257	1.13691905	1.2328157	1.2544842
A_55_P2059	708.2	Detected	599.7	Detected	572.7	Detected	791.2	Detected	Mapk8ip3	1.117198531	0.80866987	1.31932633	0.9549775
A_55_P2183	11583.5	Detected	10396.8	Detected	11295.9	Detected	12940.7	Detected	Pisd	1.117166659	0.97517158	1.24468106	1.0864785
A_51_P3394	16772.7	Detected	13361.1	Detected	17463.9	Detected	18736.8	Detected	Rab9	1.117101003	1.04120982	1.40233963	1.3070705
A_55_P2243	286.2	Detected	300	Detected	193.5	Detected	319.7	Detected	B230117O15Rik	1.117051013	0.67610063	1.06566667	0.645
A_51_P2611	1942.9	Detected	1835.1	Detected	1708	Detected	2170.3	Detected	Ogt	1.117041536	0.87909826	1.18266035	0.9307395
A_52_P4844	195	Detected	180.1	Detected	204.8	Detected	217.8	Detected	Zfp27	1.116923077	1.05025641	1.20932815	1.137146
A_55_P2066	11508.9	Detected	11900.8	Detected	11275.6	Detected	12854.2	Detected	Baiap2l2	1.116892144	0.97972873	1.08011226	0.9474657
A_52_P6720	22890.1	Detected	16624.4	Detected	24909.2	Detected	25565.6	Detected	Stt3b	1.116884592	1.08820844	1.53783595	1.4983518
A_51_P2888	5037.6	Detected	4645.7	Detected	6055.6	Detected	5626.4	Detected	Tbc1d15	1.116881054	1.20208036	1.21109844	1.3034849
A_51_P3712	1700.7	Detected	1372.9	Detected	1761.1	Detected	1899.4	Detected	Rwdd2b	1.116834245	1.03551479	1.38349479	1.2827591
A_55_P2168	186.6	Detected	235	Detected	187.2	Detected	208.4	Detected	Grcc10	1.116827438	1.00321543	0.88680851	0.7965957
A_55_P2120	226.1	Detected	271.8	Detected	254.9	Detected	252.5	Detected	Dzip1l	1.116762494	1.12737727	0.92899191	0.9378219
A_52_P4247	286.2	Detected	286.2	Detected	302.1	Detected	319.6	Detected	Rbbp4	1.116701607	1.05555556	1.11670161	1.0555556
A_55_P1980	167622.5	Detected	138699	Detected	189129.5	Detected	187176.3	Detected	Arpc2	1.116653791	1.12830616	1.34951442	1.3635967
A_51_P3945	86.6	Detected	71.1	Detected	75.1	Detected	96.7	Detected	Snx22	1.116628176	0.86720554	1.36005626	1.0562588
A_55_P2074	18762.1	Detected	18703.7	Detected	15001.6	Detected	20947.4	Detected	Fbxo6	1.116474169	0.79956934	1.11996022	0.8020659
A_51_P4456	18944.5	Detected	18017.7	Detected	23138.4	Detected	21148.9	Detected	Hsd17b4	1.116360949	1.22137824	1.17378467	1.2842039
A_51_P2940	3603.7	Detected	3701.3	Detected	2656.8	Detected	4022.2	Detected	Prkar1a	1.116130644	0.73724228	1.08669927	0.7178019
A_55_P2079	63875.9	Detected	54944.5	Detected	72267.2	Detected	71289	Detected	LOC101055761	1.116054725	1.13136879	1.2974729	1.3152763

A_66_P1217	1166.2	Detected	608.6	Detected	1282.5	Detected	1301.5	Detected	Arhgef28	1.116017836	1.0997256	2.13851462	2.1072954
A_55_P2025	20830.4	Detected	20341.9	Detected	23729.8	Detected	23244.9	Detected	Ss18	1.11591232	1.1391908	1.14271037	1.1665479
A_51_P1510	27015.1	Detected	28503.1	Detected	30884.6	Detected	30145.3	Detected	Pmpcb	1.115868533	1.14323471	1.05761479	1.0835523
A_55_P2040	1529.9	Detected	1304.2	Detected	1455.4	Detected	1707.1	Detected	Ptchd4	1.115824564	0.95130401	1.30892501	1.1159331
A_55_P2246	615.4	Detected	617.8	Detected	511.2	Detected	686.6	Detected	A430017K17	1.115697108	0.83067923	1.1113629	0.8274522
A_51_P2190	7627.2	Detected	5619.5	Detected	8978.4	Detected	8509.2	Detected	Wdr53	1.115638767	1.17715544	1.51422724	1.5977222
A_55_P2091	14754.1	Detected	12019.3	Detected	16275	Detected	16459.2	Detected	Psmg1	1.115567876	1.10308321	1.36939755	1.3540722
A_55_P2073	2333.3	Detected	3051.3	Detected	1908.3	Detected	2602.8	Detected	Eif2b3	1.11550165	0.81785454	0.85301347	0.6254056
A_52_P5519	615	Detected	478.5	Detected	634.5	Detected	686	Detected	Arhgap5	1.115447154	1.03170732	1.43364681	1.3260188
A_66_P1261	111.8	Detected	100.6	Detected	87.3	Detected	124.7	Detected	Flt3	1.115384615	0.78085868	1.23956262	0.8677932
A_51_P3843	96.2	Detected	93.7	Detected	60.6	Detected	107.3	Detected	Sacs	1.115384615	0.62993763	1.14514408	0.6467449
A_55_P2386	44.2	Detected	41.2	Detected	30.8	Detected	49.3	Detected	Cep63	1.115384615	0.69683258	1.19660194	0.7475728
A_55_P2146	8794.7	Detected	8813.6	Detected	7714.3	Detected	9808.8	Detected	Rs1	1.115308083	0.87715329	1.1129164	0.8752723
A_55_P2087	1027	Detected	1411.2	Detected	823.9	Detected	1145.4	Detected	Mthfsd	1.115287244	0.80223953	0.81164966	0.5838294
A_55_P2211	157.9	Detected	157.9	Detected	119.1	Detected	176.1	Detected	E130101M22	1.115262825	0.75427486	1.11526282	0.7542749
A_55_P2035	6538.2	Detected	5617	Detected	4746.5	Detected	7291.6	Detected	Vma21	1.115230492	0.72596433	1.29813067	0.845024
A_51_P4994	562.4	Detected	439.9	Detected	509	Detected	627.2	Detected	Prkd2	1.115220484	0.90504979	1.42577859	1.1570812
A_55_P2076	435.7	Detected	445.1	Detected	479.6	Detected	485.9	Detected	Sort1	1.115216892	1.1007574	1.09166479	1.0775107
A_51_P3708	21.7	Detected	30.9	Detected	23.9	Detected	24.2	Not Detect	Olf1143	1.115207373	1.10138249	0.78317152	0.7734628
A_65_P1391	51545.8	Detected	51954.8	Detected	68733.9	Detected	57482.4	Detected	Ndufb2	1.115171362	1.33345297	1.10639248	1.3229557
A_55_P1982	447.7	Detected	243.6	Detected	408.7	Detected	499.2	Detected	LOC101055862	1.115032388	0.91288809	2.04926108	1.6777504
A_52_P3151	88940.3	Detected	102367.1	Detected	106288.6	Detected	99171.2	Detected	Mrpl52	1.115031094	1.19505556	0.96878001	1.0383082
A_55_P2109	392899.1	Detected	421907	Detected	380411.9	Detected	438094.6	Detected	Milr1	1.115030806	0.96821779	1.0383677	0.9016487
A_55_P2053	16761	Detected	14002.1	Detected	16926.7	Detected	18687.6	Detected	Fam20b	1.114945409	1.00988604	1.33462838	1.2088687
A_55_P1974	25746.2	Detected	24983.5	Detected	31094.5	Detected	28695.4	Detected	Cfl1	1.114548943	1.20773163	1.14857406	1.2446014
A_55_P2041	148455.2	Detected	165592.3	Detected	170645.4	Detected	165449	Detected	Gm6404	1.114470898	1.14947405	0.99913462	1.0305153
A_52_P5805	96.1	Detected	86.3	Detected	70.4	Detected	107.1	Detected	Nppa	1.1144641	0.73257024	1.2410197	0.815759
A_55_P2134	31816.3	Detected	35897.8	Detected	28157.5	Detected	35458.1	Detected	Hmgb1	1.114463341	0.88500234	0.98775134	0.7843795
A_52_P5154	103914.1	Detected	141763.3	Detected	91645.6	Detected	115805.5	Detected	Atp1a1	1.114434903	0.88193614	0.81689337	0.6464691
A_52_P4138	1687.5	Detected	1592.3	Detected	1922.2	Detected	1880.6	Detected	Slc35a3	1.11442963	1.13908148	1.18105885	1.2071846
A_55_P2199	551.8	Detected	492.8	Detected	513.9	Detected	614.9	Detected	Gm9886	1.114353026	0.93131569	1.24776786	1.0428166
A_52_P4883	1258.7	Detected	1394.2	Detected	1144.2	Detected	1402.6	Detected	Ndel1	1.114324303	0.90903313	1.00602496	0.8206857
A_52_P4338	737.8	Detected	1058.4	Detected	920.9	Detected	822.1	Detected	Naa16	1.114258607	1.24817024	0.77673847	0.8700869
A_52_P1625	1890.7	Detected	1472.7	Detected	2983.1	Detected	2106.5	Detected	Ahcyl2	1.114137621	1.57777543	1.43036599	2.0255992
A_55_P1954	214538.1	Detected	198108.1	Detected	218366.6	Detected	239013.3	Detected	Emp1	1.114083233	1.01784532	1.20647919	1.1022598
A_52_P2091	25955.4	Detected	20585.9	Detected	33106.9	Detected	28912.5	Detected	Mrpl41	1.113930049	1.27553033	1.40448074	1.6082318
A_52_P5458	1206.3	Detected	1349	Detected	1431	Detected	1343.7	Detected	Tssc1	1.113902014	1.18627207	0.99607116	1.0607858
A_51_P1944	238	Detected	1104.7	Detected	206.7	Detected	265.1	Detected	Wfdc1	1.113865546	0.86848739	0.23997465	0.1871096
A_55_P1962	9162.9	Detected	9472.3	Detected	7647.1	Detected	10206	Detected	Trim11	1.113839505	0.83457202	1.07745743	0.8073118
A_55_P2008	209133.5	Detected	211144.3	Detected	219555	Detected	232938.8	Detected	Eef1a1	1.113828248	1.04983181	1.10322088	1.0398339

A_55_P1980	9144.2	Detected	7253.6	Detected	8785.6	Detected	10184.2	Detected	Sbno1	1.113733295	0.96078388	1.40402007	1.2112055
A_55_P1962	77.4	Detected	106	Detected	10.3	Not Detect	86.2	Detected	Osr1	1.11369509	0.13307494	0.81320755	0.0971698
A_52_P4863	14177.3	Detected	15128.2	Detected	14044.2	Detected	15787.5	Detected	Fzr1	1.113575928	0.99061175	1.04358086	0.9283457
A_55_P1958	27.3	Detected	23.5	Detected	20.7	Detected	30.4	Not Detect	Rbm33	1.113553114	0.75824176	1.29361702	0.8808511
A_55_P2369	18.5	Detected	15.9	Not Detect	13.2	Not Detect	20.6	Not Detect	LOC545086	1.113513514	0.71351351	1.29559748	0.8301887
A_55_P2111	428.3	Detected	429.1	Detected	443.2	Detected	476.9	Detected	Pcp2	1.113471866	1.0347887	1.11139595	1.0328595
A_52_P6252	1007.3	Detected	970.6	Detected	999.9	Detected	1121.6	Detected	Accs	1.113471657	0.99265363	1.15557387	1.0301875
A_55_P2070	1032	Detected	938.1	Detected	989.6	Detected	1149.1	Detected	Tra2b	1.113468992	0.95891473	1.22492272	1.0548982
A_55_P2166	96.1	Detected	109.4	Detected	104.9	Detected	107	Detected	2310079G19Rik	1.113423517	1.09157128	0.97806216	0.9588665
A_51_P3393	132.3	Detected	152.5	Detected	152	Detected	147.3	Detected	Tmem81	1.113378685	1.14890401	0.96590164	0.9967213
A_51_P1228	3291.9	Detected	3027.8	Detected	3120.2	Detected	3665	Detected	Naa50	1.113338801	0.94784167	1.21044983	1.0305172
A_55_P2115	254.2	Detected	190.5	Detected	404.4	Detected	283	Detected	Lcor	1.113296617	1.59087333	1.4855643	2.1228346
A_55_P1959	4524.2	Detected	6215.3	Detected	2311.7	Detected	5036.6	Detected	Pmepa1	1.113257593	0.51096326	0.81035509	0.371937
A_55_P2426	707.6	Detected	697.5	Detected	490.3	Detected	787.7	Detected	LOC552906	1.113199548	0.6929056	1.129319	0.7029391
A_55_P2025	76	Detected	64.1	Detected	55.2	Detected	84.6	Detected	Zfp932	1.113157895	0.72631579	1.31981279	0.8611544
A_55_P2064	68038.5	Detected	60381.6	Detected	83142.9	Detected	75734.1	Detected	Gm8580	1.11310655	1.22199784	1.25425792	1.3769575
A_51_P3958	3342.3	Detected	3698.8	Detected	4735	Detected	3720.1	Detected	Timm21	1.113035933	1.41668911	1.00575862	1.2801449
A_52_P6505	40.7	Detected	39.2	Detected	37.4	Detected	45.3	Detected	Nlfp3	1.113022113	0.91891892	1.15561224	0.9540816
A_55_P2107	789.2	Detected	968.3	Detected	855	Detected	878.3	Detected	Gemin2	1.112899138	1.08337557	0.9070536	0.8829908
A_66_P1085	28640.4	Detected	31768.6	Detected	30103.9	Detected	31871.2	Detected	Xrcc6	1.112805687	1.05109915	1.0032296	0.9475992
A_51_P3941	33970.1	Detected	21255.3	Detected	53926	Detected	37801.5	Detected	Lmo4	1.112787422	1.58745485	1.77845055	2.5370613
A_55_P2103	2749.6	Detected	2668.2	Detected	2356.8	Detected	3059.6	Detected	Zfp316	1.112743672	0.85714286	1.14669065	0.8832921
A_55_P1979	4479.6	Detected	4455.3	Detected	4524.8	Detected	4984.3	Detected	Ubap1	1.112666309	1.01009019	1.11873499	1.0155994
A_55_P2343	38.2	Detected	35	Detected	33.8	Detected	42.5	Not Detect	4930532103Rik	1.112565445	0.88481675	1.21428571	0.9657143
A_55_P2090	123.5	Detected	175.1	Detected	98.3	Detected	137.4	Detected	Pilra	1.112550607	0.79595142	0.78469446	0.5613935
A_55_P2033	4367.7	Detected	4490.3	Detected	3926.7	Detected	4858.7	Detected	Cabp5	1.112416146	0.89903153	1.08204352	0.874485
A_55_P1990	89998.1	Detected	95392.4	Detected	98822.6	Detected	100108.7	Detected	Psmd4	1.112342372	1.09805207	1.04944105	1.0359588
A_55_P2100	376.8	Detected	373.5	Detected	391.4	Detected	419.1	Detected	Olf1402	1.112261146	1.03874735	1.12208835	1.047925
A_55_P2388	2311.7	Detected	2148.2	Detected	2223.8	Detected	2571.1	Detected	1010001B22Rik	1.112211792	0.96197603	1.19686249	1.0351923
A_52_P3077	1272.1	Detected	1361.3	Detected	832.4	Detected	1414.6	Detected	Slc12a9	1.112019495	0.65435107	1.03915375	0.6114743
A_55_P2083	6750.2	Detected	5985.7	Detected	6372	Detected	7506	Detected	Dis3l	1.111967053	0.94397203	1.25398867	1.0645371
A_55_P2048	29459	Detected	28394.6	Detected	34949.2	Detected	32756.2	Detected	Ss18	1.111925048	1.18636749	1.15360667	1.2308397
A_52_P4125	1856.6	Detected	1344.4	Detected	1638.1	Detected	2064.4	Detected	Fbxo3	1.111925024	0.88231175	1.53555489	1.2184618
A_55_P2114	327106	Detected	357237.9	Detected	337152.3	Detected	363679.3	Detected	1700047117Rik2	1.11180871	1.03071267	1.01803112	0.9437753
A_55_P2145	61054.2	Detected	70760.8	Detected	74385.8	Detected	67879.4	Detected	Phb	1.111789197	1.2183568	0.95927971	1.0512289
A_66_P1345	1786.4	Detected	2000.7	Detected	2444.7	Detected	1986.1	Detected	Atl2	1.111789073	1.36850649	0.99270255	1.2219223
A_55_P2119	26788.8	Detected	26701.9	Detected	38284.7	Detected	29779.8	Detected	Ndufb2	1.111651138	1.42913083	1.11526895	1.4337819
A_66_P1228	105.7	Detected	105.2	Detected	87.6	Detected	117.5	Detected	Spata31	1.111636708	0.82876064	1.11692015	0.8326996
A_55_P2040	5956.1	Detected	4925.2	Detected	6554	Detected	6620.5	Detected	Zwilch	1.111549504	1.10038448	1.34420937	1.3307074
A_52_P4832	15217.5	Detected	11826.9	Detected	10532.9	Detected	16914.9	Detected	Lamp2	1.111542632	0.69215706	1.43020572	0.8905884

A_55_P2130	31589.5	Detected	27503.2	Detected	25732.7	Detected	35112.7	Detected	Cnn3	1.11153073	0.81459662	1.2766769	0.9356257
A_52_P3038	53.8	Detected	45.5	Detected	50.6	Detected	59.8	Detected	Gm5296	1.111524164	0.94052045	1.31428571	1.1120879
A_55_P2170	39363.6	Detected	34744.8	Detected	43532.3	Detected	43752	Detected	Gspt1	1.111483706	1.10590241	1.25923879	1.2529155
A_55_P2012	1470.3	Detected	909.5	Detected	2659.5	Detected	1634.2	Detected	Ccdc64	1.111473849	1.80881453	1.79681143	2.9241341
A_51_P3639	145.4	Detected	145.4	Detected	175.3	Detected	161.6	Detected	Slc25a23	1.111416781	1.20563961	1.11141678	1.2056396
A_55_P2098	2595.5	Detected	2353.4	Detected	1744.3	Detected	2884.6	Detected	Lrrcc1	1.11138509	0.67204777	1.22571599	0.741183
A_52_P6187	54.8	Detected	43.9	Detected	30.1	Detected	60.9	Detected	Hs1bp3	1.111313869	0.54927007	1.38724374	0.6856492
A_65_P1177	7181.9	Detected	7415.7	Detected	9891.5	Detected	7981.1	Detected	Adi1	1.111279745	1.37728178	1.07624365	1.3338592
A_52_P4962	21336.4	Detected	20455.9	Detected	21238.1	Detected	23710.7	Detected	Exosc8	1.111279316	0.99539285	1.15911302	1.0382384
A_51_P2147	9322.7	Detected	8925	Detected	9226.7	Detected	10358.7	Detected	Suz12	1.111126605	0.98970255	1.16063866	1.0338039
A_55_P2221	19.8	Detected	5.8	Not Detect	12.9	Not Detect	22	Not Detect	9230106L01Rik	1.111111111	0.65151515	3.79310345	2.2241379
A_55_P2238	32.4	Detected	17.8	Detected	20	Detected	36	Not Detect	6330407A03Rik	1.111111111	0.61728395	2.02247191	1.1235955
A_51_P1418	13240	Detected	11238.9	Detected	11370.9	Detected	14709.8	Detected	Mrpl32	1.111012085	0.85882931	1.30882916	1.0117449
A_55_P1996	45.1	Detected	56	Detected	41.2	Detected	50.1	Not Detect	Cilp2	1.110864745	0.9135255	0.89464286	0.7357143
A_66_P1017	1192.9	Detected	927.2	Detected	936.7	Detected	1325.1	Detected	Krtap5-5	1.110822366	0.78522927	1.4291415	1.0102459
A_51_P2872	30926.1	Detected	26069.3	Detected	36654.6	Detected	34353.3	Detected	Qars	1.110819017	1.18523189	1.31776841	1.4060447
A_55_P1973	120473.9	Detected	111440.6	Detected	130893.1	Detected	133820.9	Detected	Hist2h4	1.110787482	1.08648512	1.20082717	1.1745549
A_55_P2008	85953	Detected	71602.3	Detected	87279	Detected	95475	Detected	Prelid1	1.110781474	1.01542704	1.33340689	1.2189413
A_55_P2063	17143.1	Detected	18709	Detected	10867.7	Detected	19042.1	Detected	Zfand2a	1.110773431	0.63394019	1.01780427	0.5808809
A_55_P2106	1299.5	Detected	1059.3	Detected	1314.8	Detected	1443.4	Detected	4930432K21Rik	1.110734898	1.01177376	1.36259794	1.241197
A_51_P4303	15391.5	Detected	15641.4	Detected	14542.2	Detected	17092.6	Detected	Lrp10	1.110522041	0.94482019	1.09277942	0.929725
A_51_P2755	713.9	Detected	563.9	Detected	559.4	Detected	792.8	Detected	Zfp292	1.110519681	0.78358313	1.40592304	0.9920199
A_52_P4739	6700.5	Detected	7772.5	Detected	6418.4	Detected	7441	Detected	Cpsf4	1.110514141	0.95789866	0.95734963	0.8257832
A_55_P2117	25398.7	Detected	28268.6	Detected	30599.3	Detected	28205.5	Detected	Mtx1	1.110509593	1.20475851	0.99776784	1.0824484
A_55_P2097	2038.1	Detected	1979.3	Detected	1777.6	Detected	2263.3	Detected	Gtpbp4	1.110495069	0.87218488	1.14348507	0.8980953
A_55_P2159	468.8	Detected	398.8	Detected	510	Detected	520.6	Detected	Zfp59	1.110494881	1.08788396	1.30541625	1.2788365
A_52_P1831	839.7	Detected	1087.6	Detected	1103	Detected	932.4	Detected	Txnl1	1.11039657	1.31356437	0.85730048	1.0141596
A_55_P2008	30700.9	Detected	36954.2	Detected	37437.9	Detected	34088	Detected	Snrpd3	1.110325756	1.21943982	0.92243913	1.0130892
A_55_P2034	1372.9	Detected	1381.6	Detected	1499.8	Detected	1524.3	Detected	Ankhd1	1.110277515	1.09243208	1.10328605	1.085553
A_51_P3831	2820.6	Detected	1842.7	Detected	2264.3	Detected	3131.5	Detected	Slk	1.110224775	0.80277246	1.69940848	1.2287947
A_51_P1562	35743.9	Detected	30052.9	Detected	47342.2	Detected	39683.3	Detected	Ltbr	1.110211812	1.32448334	1.32044828	1.5752956
A_52_P6341	1011.3	Detected	1198.2	Detected	961	Detected	1122.7	Detected	Rexo1	1.110155246	0.95026204	0.93698882	0.8020364
A_55_P2102	1691.5	Detected	1686.3	Detected	1568.8	Detected	1877.8	Detected	Noc3l	1.11013893	0.92746083	1.11356224	0.9303208
A_52_P8427	2051.2	Detected	2142	Detected	1956.1	Detected	2277.1	Detected	Derl2	1.110130655	0.9536369	1.0630719	0.913212
A_51_P1921	5719.5	Detected	4349.9	Detected	4081.7	Detected	6349.3	Detected	Stk10	1.110114521	0.7136463	1.45964275	0.9383434
A_55_P2044	1097.1	Detected	996.2	Detected	1108.6	Detected	1217.9	Detected	Marf1	1.110108468	1.01048218	1.22254567	1.1128287
A_55_P2184	72200	Detected	74766.1	Detected	75350.7	Detected	80146.9	Detected	Aurkaip1	1.110067867	1.0436385	1.07196845	1.0078191
A_51_P1637	931.4	Detected	768.3	Detected	644.4	Detected	1033.9	Detected	Bdp1	1.110049388	0.69186171	1.34569829	0.8387349
A_51_P5069	29935.1	Detected	24759.1	Detected	32738.8	Detected	33225.9	Detected	Mrps12	1.109931151	1.09365928	1.3419672	1.3222936
A_66_P1308	19163.8	Detected	25917.5	Detected	22128.3	Detected	21269.4	Detected	Eif3e	1.109873825	1.1546927	0.82065786	0.8537976

A_51_P2340	1646.5	Detected	1840.4	Detected	1585.7	Detected	1827.4	Detected	1190005I06Rik	1.10986942	0.96307319	0.99293632	0.8616062
A_55_P1957	231.2	Detected	247.1	Detected	264.8	Detected	256.6	Detected	1700034P13Rik	1.109861592	1.14532872	1.03844597	1.0716309
A_55_P2008	8467.5	Detected	8284.5	Detected	7961.4	Detected	9396.6	Detected	Mnd1	1.109725421	0.94023029	1.13423864	0.9609995
A_55_P2028	215.2	Detected	424.2	Detected	193.5	Detected	238.8	Detected	Slc22a17	1.109665428	0.89916357	0.56294201	0.4561528
A_55_P2066	75.7	Detected	64	Detected	58	Detected	84	Detected	Kcnj13	1.109643329	0.7661823	1.3125	0.90625
A_55_P2163	186.1	Detected	175.7	Detected	25.7	Detected	206.5	Detected	Akr1c18	1.109618485	0.1380978	1.1752988	0.1462721
A_52_P5284	4370.1	Detected	4631.3	Detected	6403.2	Detected	4849	Detected	Mfsd3	1.109585593	1.46522963	1.04700624	1.3825924
A_52_P6589	51407.2	Detected	61729.7	Detected	46410.2	Detected	57037.4	Detected	Gm5396	1.109521623	0.90279572	0.92398635	0.7518293
A_66_P1060	19901.7	Detected	18219.8	Detected	26227.5	Detected	22080.5	Detected	Rpa3	1.109478085	1.31785224	1.21189585	1.4395054
A_55_P2116	2217.2	Detected	2400.9	Detected	2276	Detected	2459.9	Detected	Cited2	1.109462385	1.02651994	1.02457412	0.9479778
A_51_P1010	39069.8	Detected	29196.8	Detected	37472.8	Detected	43345.5	Detected	Cnppd1	1.109437468	0.95912444	1.48459763	1.2834557
A_55_P1971	345.5	Detected	350.6	Detected	262.6	Detected	383.3	Detected	Ankrd50	1.109406657	0.76005789	1.09326868	0.7490017
A_66_P1181	181.9	Detected	152.3	Detected	178.8	Detected	201.8	Detected	Sh2d2a	1.10940077	0.98295767	1.32501641	1.1739987
A_51_P2450	12.8	Not Detect	23.6	Detected	34.1	Detected	14.2	Not Detect	1700011A15Rik	1.109375	2.6640625	0.60169492	1.4449153
A_55_P2126	3320.5	Detected	2705	Detected	4120.3	Detected	3683.6	Detected	Zdhhc13	1.109351001	1.24086734	1.36177449	1.5232163
A_52_P2728	6302.8	Detected	6797.6	Detected	7601	Detected	6991.9	Detected	Cpsf1	1.10933236	1.20597195	1.02858362	1.1181888
A_55_P2064	20905.8	Detected	27875.7	Detected	21141.9	Detected	23189.5	Detected	Gm12693	1.109237628	1.01129352	0.83188942	0.7584348
A_51_P2426	29.3	Detected	23.7	Detected	18.6	Detected	32.5	Not Detect	Otog	1.109215017	0.63481229	1.37130802	0.7848101
A_55_P2046	244.5	Detected	257.5	Detected	228.6	Detected	271.2	Detected	Nbas	1.109202454	0.93496933	1.05320388	0.887767
A_55_P1975	2783.2	Detected	2448.2	Detected	3137.3	Detected	3086.9	Detected	Ighmbp2	1.109119	1.12722765	1.26088555	1.2814721
A_55_P2156	11624	Detected	9706.3	Detected	16310.5	Detected	12892.2	Detected	Pcyox1	1.109101858	1.40317447	1.32823012	1.6804034
A_55_P2038	12036.1	Detected	12948.5	Detected	14648.9	Detected	13349	Detected	Mcat	1.109080184	1.21708028	1.03093022	1.1313202
A_55_P1977	23463.2	Detected	19141	Detected	22039.8	Detected	26021.3	Detected	Picalm	1.109026049	0.93933479	1.35945353	1.1514445
A_55_P2155	180.7	Detected	158	Detected	144.6	Detected	200.4	Detected	Rtp2	1.109020476	0.80022136	1.26835443	0.9151899
A_55_P2148	130.4	Detected	108.4	Detected	169.8	Detected	144.6	Detected	Gm7810	1.108895706	1.30214724	1.33394834	1.5664207
A_55_P2025	16805.5	Detected	14527.9	Detected	17994.2	Detected	18635.5	Detected	Akt2	1.108892922	1.0707328	1.28273873	1.2385961
A_51_P1251	1335.7	Detected	1257.5	Detected	1226.1	Detected	1481.1	Detected	Coq5	1.108856779	0.91794565	1.17781312	0.9750298
A_51_P2735	4584.2	Detected	3424.2	Detected	4231.6	Detected	5083.2	Detected	Fam83d	1.108852144	0.92308364	1.48449273	1.2357923
A_55_P2022	223.3	Detected	264.2	Detected	298.4	Detected	247.6	Detected	1700086O06Rik	1.108822212	1.33631885	0.93716881	1.1294474
A_52_P2527	31550.4	Detected	33909.4	Detected	28841.5	Detected	34981.4	Detected	Rangap1	1.10874664	0.91414055	1.03161365	0.8505459
A_52_P2112	9.2	Not Detect	11.9	Not Detect	19.3	Detected	10.2	Not Detect	Aar2	1.108695652	2.09782609	0.85714286	1.6218487
A_55_P2082	450.2	Detected	458.4	Detected	486.1	Detected	499.1	Detected	Irak2	1.108618392	1.07974234	1.08878709	1.0604276
A_55_P2178	685.9	Detected	685.3	Detected	450.9	Detected	760.4	Detected	Fam53b	1.108616416	0.65738446	1.10958704	0.65796
A_55_P2150	12324.2	Detected	10997.2	Detected	10943.1	Detected	13662.8	Detected	Pcgf5	1.108615569	0.88793593	1.24238897	0.9950806
A_55_P2091	100.4	Detected	82.8	Detected	60.8	Detected	111.3	Detected	Svil	1.108565737	0.60557769	1.3442029	0.7342995
A_55_P2146	3181.9	Detected	2921.7	Detected	3712.9	Detected	3527.1	Detected	Zmynd8	1.108488639	1.16688142	1.20720813	1.2708012
A_55_P2036	2733.6	Detected	1525.2	Detected	2430	Detected	3030.1	Detected	Ifnar1	1.108465028	0.88893766	1.98669027	1.5932337
A_55_P2143	800.6	Detected	835.6	Detected	680.7	Detected	887.3	Detected	Sema6c	1.10829378	0.85023732	1.06187171	0.8146242
A_55_P2125	13291.8	Detected	9718	Detected	14616.6	Detected	14731.2	Detected	Ube2l3	1.108292331	1.09967047	1.51586746	1.5040749
A_55_P2139	18971.6	Detected	16447	Detected	17504.4	Detected	21026	Detected	4833439L19Rik	1.108288178	0.92266335	1.27840944	1.0642914

A_51_P4374	2718.4	Detected	3242.6	Detected	2928.5	Detected	3012.7	Detected	Zfp566	1.108262213	1.07728811	0.9291001	0.9031333
A_55_P2038	63557.9	Detected	64740.6	Detected	73519.4	Detected	70433.3	Detected	Rbx1	1.10817538	1.15673111	1.08793091	1.1355996
A_55_P2152	52.7	Detected	44.9	Detected	70.7	Detected	58.4	Detected	Myl3	1.108159393	1.34155598	1.30066815	1.5746102
A_52_P4187	74.9	Detected	73.5	Detected	65.5	Detected	83	Detected	Grk4	1.108144192	0.87449933	1.1292517	0.8911565
A_66_P1196	41711.6	Detected	51084.3	Detected	50018.5	Detected	46221.7	Detected	Polr2e	1.108125797	1.19915084	0.90481224	0.9791364
A_55_P2115	1237.5	Detected	1278.6	Detected	1234.7	Detected	1371.3	Detected	Fastkd1	1.108121212	0.99773737	1.07250117	0.9656656
A_51_P3871	5986.3	Detected	4522.4	Detected	6947.7	Detected	6633.1	Detected	Vrk3	1.108046707	1.16060004	1.46672121	1.536286
A_51_P1555	102758.8	Detected	110646.3	Detected	118554.1	Detected	113860.2	Detected	Psmb4	1.108033357	1.15371238	1.02904661	1.0714692
A_55_P2057	15787.8	Detected	14591.7	Detected	14678.3	Detected	17493.4	Detected	Arl4c	1.108032785	0.92972422	1.19885963	1.0059349
A_51_P1112	44822.1	Detected	19564.6	Detected	32579.4	Detected	49657.7	Detected	Cdk2ap2	1.10788428	0.72686019	2.53814031	1.6652219
A_55_P2111	3783.9	Detected	3638.5	Detected	3393.3	Detected	4191.7	Detected	Btf3l4	1.107772404	0.89677317	1.15204068	0.9326096
A_51_P3295	812.1	Detected	581.5	Detected	623.7	Detected	899.5	Detected	Nckipsd	1.107622214	0.76800887	1.54686156	1.0725709
A_55_P2205	76.2	Detected	63.1	Detected	53.8	Detected	84.4	Detected	2610507101Rik	1.107611549	0.70603675	1.33755943	0.8526149
A_66_P1081	15.8	Detected	26.7	Detected	21.8	Detected	17.5	Not Detect	Hist3h2bb-ps	1.107594937	1.37974684	0.65543071	0.8164794
A_55_P2169	9.3	Not Detect	17.4	Detected	10.3	Not Detect	10.3	Not Detect	Vwf	1.107526882	1.10752688	0.59195402	0.591954
A_55_P1952	9.3	Not Detect	21.3	Detected	15.7	Not Detect	10.3	Not Detect	Slitrk2	1.107526882	1.68817204	0.48356808	0.7370892
A_51_P1367	60122	Detected	51974.4	Detected	64415.1	Detected	66581.3	Detected	Idh3g	1.107436546	1.07140647	1.28104028	1.2393621
A_55_P2074	3598.5	Detected	3509.5	Detected	3265.3	Detected	3985	Detected	Gtf2a1	1.107405864	0.90740586	1.13548939	0.9304174
A_55_P2018	419	Detected	656.5	Detected	770.9	Detected	464	Detected	Igfbp7	1.107398568	1.8398568	0.70677837	1.1742574
A_55_P2117	681.7	Detected	671.1	Detected	583.8	Detected	754.9	Detected	A530017D24Rik	1.107378612	0.85638844	1.12486962	0.8699151
A_55_P2018	1416.9	Detected	1268.6	Detected	1658.1	Detected	1569	Detected	Ints5	1.107347025	1.17023079	1.23679647	1.3070314
A_55_P2115	17665.6	Detected	14701.5	Detected	17717.3	Detected	19561.2	Detected	Ap3s1	1.107304592	1.00292659	1.33055811	1.2051355
A_55_P1966	364675	Detected	394263.4	Detected	379864.1	Detected	403780.3	Detected	Gm12070	1.107233329	1.04165106	1.02413843	0.963478
A_55_P2000	2460.1	Detected	2359.3	Detected	2754.4	Detected	2723.6	Detected	Cab39l	1.107109467	1.11962928	1.15441021	1.1674649
A_55_P2045	2482.8	Detected	2708.7	Detected	2894.9	Detected	2748.6	Detected	Setdb2	1.107056549	1.16598196	1.01473031	1.0687415
A_55_P2065	26518.7	Detected	25430.3	Detected	31104.6	Detected	29355.9	Detected	Rnf7	1.106988653	1.1729308	1.15436703	1.2231315
A_55_P2335	467.7	Detected	451	Detected	359.3	Detected	517.7	Detected	Wdr45b	1.106906136	0.7682275	1.14789357	0.7966741
A_55_P2048	1511	Detected	829.1	Detected	1272.6	Detected	1672.5	Detected	Gm5595	1.106882859	0.84222369	2.01724762	1.5349174
A_55_P2153	75.8	Detected	82.5	Detected	74.8	Detected	83.9	Detected	Ldhc	1.106860158	0.98680739	1.0169697	0.9066667
A_55_P2069	229206.7	Detected	243531.9	Detected	228125.6	Detected	253686.3	Detected	Hspa8	1.106801415	0.9952833	1.04169639	0.9367381
A_55_P1990	762.2	Detected	765.3	Detected	776.4	Detected	843.5	Detected	Ift122	1.106664917	1.01863028	1.10218215	1.0145041
A_52_P2727	2225	Detected	1981.7	Detected	2008.5	Detected	2462.3	Detected	Dhdds	1.106651685	0.90269663	1.24251905	1.0135237
A_55_P2029	61094.8	Detected	66264.9	Detected	61906.8	Detected	67609.1	Detected	Por	1.106626096	1.01329082	1.02028525	0.9342322
A_51_P2974	5416.6	Detected	6535.5	Detected	5975.1	Detected	5994	Detected	Dph1	1.106598235	1.10310896	0.91714482	0.9142529
A_55_P2010	80.7	Detected	90.2	Detected	62.1	Detected	89.3	Detected	Serpina1f	1.106567534	0.76951673	0.99002217	0.6884701
A_55_P2033	251353.8	Detected	287954.4	Detected	305725.7	Detected	278128.5	Detected	LOC100046223	1.106521962	1.2163162	0.96587689	1.0617157
A_51_P4628	622.7	Detected	635.7	Detected	602.2	Detected	689	Detected	9430015G10Rik	1.106471816	0.96707885	1.08384458	0.9473022
A_51_P1535	26.3	Detected	34.2	Detected	164.5	Detected	29.1	Not Detect	4921507P07Rik	1.106463878	6.25475285	0.85087719	4.8099415
A_55_P2128	224159.5	Detected	210523.3	Detected	261653	Detected	248023	Detected	Rpl18	1.106457679	1.1672626	1.17812613	1.2428696
A_66_P1187	2995.5	Detected	2270.5	Detected	3066.9	Detected	3314.3	Detected	Rabif	1.106426306	1.02383575	1.45972253	1.3507597

A_52_P5073	24494.2	Detected	26851.1	Detected	26764.8	Detected	27101	Detected	Mrps24	1.106425195	1.0926995	1.00930688	0.996786
A_55_P2016	23.5	Detected	18.1	Not Detect	18.3	Not Detect	26	Not Detect	Glp1r	1.106382979	0.7787234	1.43646409	1.0110497
A_52_P5055	1342.8	Detected	1579.9	Detected	1525.7	Detected	1485.6	Detected	Nsmce2	1.106344951	1.13620792	0.94031268	0.965694
A_66_P1306	824.2	Detected	862.7	Detected	793.5	Detected	911.8	Detected	Tyms	1.106284882	0.96275176	1.05691434	0.9197867
A_55_P1999	29333.4	Detected	27416.8	Detected	29793.2	Detected	32450.1	Detected	Cox7c	1.106250895	1.01567496	1.18358452	1.0866768
A_51_P1513	407.6	Detected	371.7	Detected	448.2	Detected	450.9	Detected	Zfp444	1.1062316	1.09960746	1.21307506	1.2058111
A_55_P2055	49708.4	Detected	41474.4	Detected	56454.3	Detected	54984.9	Detected	Atp5o	1.106149061	1.13570946	1.32575516	1.3611842
A_52_P2427	3779.5	Detected	2855.2	Detected	3604.1	Detected	4180.6	Detected	Opa1	1.106125149	0.95359174	1.46420566	1.2622934
A_55_P2034	62.2	Detected	125.8	Detected	75.5	Detected	68.8	Detected	Tmem40	1.106109325	1.21382637	0.54689984	0.600159
A_55_P1963	376.3	Detected	393.8	Detected	410.9	Detected	416.2	Detected	1-Sep	1.106032421	1.09194791	1.05688167	1.0434231
A_55_P2017	464.1	Detected	456.8	Detected	462.1	Detected	513.3	Detected	1700003F12Rik	1.106011635	0.99569058	1.12368651	1.0116025
A_55_P2049	32.1	Detected	55.5	Detected	17.1	Not Detect	35.5	Not Detect	Ccrl2	1.105919003	0.53271028	0.63963964	0.3081081
A_55_P2055	8.5	Not Detect	55.8	Detected	10.2	Not Detect	9.4	Not Detect	Flt3	1.105882353	1.2	0.16845878	0.1827957
A_51_P4044	6566.5	Detected	5879.6	Detected	7671.1	Detected	7261	Detected	Bckdk	1.105764106	1.16821747	1.23494796	1.3046976
A_51_P3474	412.3	Detected	427.3	Detected	404.8	Detected	455.9	Detected	Utp14a	1.105748242	0.98180936	1.0669319	0.9473438
A_55_P1973	3875.1	Detected	4277.9	Detected	3608.7	Detected	4284.8	Detected	Tada2a	1.105726304	0.93125339	1.00161294	0.8435681
A_55_P2416	89.9	Detected	86.2	Detected	68.6	Detected	99.4	Detected	A130082J08Rik	1.10567297	0.76307008	1.15313225	0.7958237
A_55_P2049	320	Detected	282.1	Detected	315.7	Detected	353.8	Detected	Ccdc167	1.105625	0.9865625	1.25416519	1.1191067
A_55_P2135	89	Detected	91.3	Detected	105.1	Detected	98.4	Detected	Sh2d7	1.105617978	1.18089888	1.07776561	1.1511501
A_55_P2151	4245.3	Detected	3974	Detected	5214.6	Detected	4693.6	Detected	Krtap19-4	1.105599133	1.22832309	1.181077	1.3121792
A_55_P1968	342236	Detected	348503.2	Detected	336299.3	Detected	378375	Detected	Ppm1k	1.105596723	0.9826532	1.08571456	0.964982
A_51_P2002	19.9	Detected	21	Detected	29.4	Detected	22	Not Detect	Olf945	1.105527638	1.47738693	1.04761905	1.4
A_51_P3975	8967.3	Detected	8848.9	Detected	8992.4	Detected	9913.3	Detected	Snrnp40	1.105494407	1.00279906	1.12028614	1.0162167
A_55_P1973	27099.7	Detected	28073.6	Detected	24520.4	Detected	29956.9	Detected	Srrm1	1.105432901	0.90482182	1.06708438	0.8734327
A_51_P4707	4300	Detected	4046.3	Detected	5013.5	Detected	4753.3	Detected	Eif2s2	1.105418605	1.16593023	1.17472753	1.2390332
A_55_P2129	6480.9	Detected	7116.8	Detected	9008.2	Detected	7163.8	Detected	Zc3hc1	1.105371168	1.38996127	1.00660409	1.2657655
A_55_P2021	14985.8	Detected	16706.3	Detected	10654.3	Detected	16564	Detected	Ugp2	1.10531303	0.71095971	0.99148226	0.6377415
A_51_P3703	3010.8	Detected	2164.2	Detected	2128.8	Detected	3327.6	Detected	Rdh14	1.105221204	0.7070546	1.53756584	0.9836429
A_55_P2049	6923.6	Detected	5190.7	Detected	6660.8	Detected	7651.9	Detected	Fam160a2	1.105190941	0.96204287	1.4741557	1.2832181
A_66_P1073	54.2	Detected	48.3	Detected	47.1	Detected	59.9	Detected	Mdk	1.105166052	0.86900369	1.24016563	0.9751553
A_55_P2122	124.6	Detected	115.8	Detected	109.3	Detected	137.7	Detected	Cir1	1.105136437	0.87720706	1.18911917	0.9438687
A_55_P2045	32594.7	Detected	39818.5	Detected	32521.4	Detected	36020.7	Detected	LOC101055909	1.105109113	0.99775117	0.90462222	0.816741
A_55_P1957	10078	Detected	8095.3	Detected	10741.8	Detected	11136.5	Detected	Rab9	1.10503076	1.06586624	1.37567477	1.3269181
A_55_P1988	20836.6	Detected	18987.1	Detected	22218.2	Detected	23023.6	Detected	Hist4h4	1.104959542	1.0663064	1.21259171	1.1701734
A_51_P4417	95.3	Detected	86.6	Detected	81.1	Detected	105.3	Detected	E130119H09Rik	1.104931794	0.85099685	1.21593533	0.9364896
A_66_P1068	1655.4	Detected	1956.1	Detected	911.8	Detected	1829.1	Detected	B3galtl	1.104929322	0.55080343	0.93507489	0.4661316
A_55_P2119	556.6	Detected	542.5	Detected	450.2	Detected	615	Detected	Slc25a44	1.104922745	0.80883938	1.13364055	0.8298618
A_55_P2002	6250.7	Detected	7226.1	Detected	8527.6	Detected	6906.5	Detected	Klc2	1.104916249	1.3642632	0.95577144	1.180111
A_51_P3553	291.8	Detected	346.7	Detected	157.1	Detected	322.4	Detected	Jak3	1.104866347	0.53838245	0.92991059	0.4531295
A_55_P2103	587.5	Detected	527.4	Detected	521.3	Detected	649.1	Detected	Slc27a4	1.104851064	0.88731915	1.23075465	0.9884338

A_52_P4949	1551.8	Detected	1220.2	Detected	1198.2	Detected	1714.4	Detected	Fnip2	1.104781544	0.77213558	1.40501557	0.9819702
A_55_P2021	11900.8	Detected	12363.1	Detected	12998.8	Detected	13147.7	Detected	Wapal	1.104774469	1.09226271	1.06346305	1.0514191
A_55_P2019	10.5	Not Detect	37.5	Detected	11.2	Not Detect	11.6	Not Detect	Bspry	1.104761905	1.06666667	0.30933333	0.2986667
A_52_P3666	534.8	Detected	565.4	Detected	643.5	Detected	590.8	Detected	Hnrnp3	1.104712042	1.20325355	1.04492395	1.1381323
A_55_P2184	244.6	Detected	234.7	Detected	269.3	Detected	270.2	Detected	Gm3161	1.10466067	1.10098119	1.15125692	1.1474222
A_52_P1751	924	Detected	1423.4	Detected	827.1	Detected	1020.7	Detected	Mef2a	1.10465368	0.89512987	0.71708585	0.5810735
A_55_P2086	17.2	Detected	25.9	Detected	23.6	Detected	19	Not Detect	Gm10385	1.104651163	1.37209302	0.73359073	0.9111969
A_51_P4624	8.6	Not Detect	19	Detected	30.4	Detected	9.5	Not Detect	Galnt15	1.104651163	3.53488372	0.5	1.6
A_55_P2033	7549.3	Detected	7657.9	Detected	9228.9	Detected	8339	Detected	Fdft1	1.104605725	1.2224842	1.08894083	1.2051476
A_51_P1114	2149	Detected	2584.7	Detected	1658.6	Detected	2373.7	Detected	Gfod2	1.104560261	0.77180084	0.91836577	0.6416992
A_55_P1961	24.9	Detected	53.9	Detected	21.5	Detected	27.5	Not Detect	Nme5	1.104417671	0.86345382	0.51020408	0.3988868
A_66_P1109	8498.7	Detected	8762.7	Detected	8020.3	Detected	9386.1	Detected	Ppp1r12a	1.10441597	0.94370904	1.07114246	0.9152773
A_55_P2152	16.3	Detected	22.2	Detected	23	Detected	18	Not Detect	Sp110	1.104294479	1.41104294	0.81081081	1.036036
A_51_P3291	2077.1	Detected	2209.7	Detected	2186.8	Detected	2293.7	Detected	Zc3h10	1.104280006	1.05281402	1.03801421	0.9896366
A_52_P3421	329.4	Detected	296.4	Detected	308.4	Detected	363.7	Detected	Nfatc4	1.104128719	0.93624772	1.22705803	1.0404858
A_51_P2632	928.7	Detected	738	Detected	459.5	Detected	1025.4	Detected	Dusp8	1.104124044	0.49477765	1.38943089	0.6226287
A_55_P2153	243.2	Detected	178.7	Detected	276.8	Detected	268.5	Detected	Slc17a5	1.104029605	1.13815789	1.50251819	1.5489647
A_55_P2076	96810	Detected	87379.7	Detected	84198	Detected	106880.6	Detected	Rac1	1.104024378	0.8697242	1.22317426	0.9635877
A_55_P1989	122.1	Detected	117.5	Detected	98.9	Detected	134.8	Detected	Gm3952	1.104013104	0.80999181	1.14723404	0.8417021
A_55_P2142	5785.8	Detected	12206.3	Detected	3378.8	Detected	6387.5	Detected	Echdc2	1.10399599	0.58398147	0.52329535	0.2768079
A_55_P1965	4835.9	Detected	4294.6	Detected	4522.9	Detected	5338.6	Detected	Cks2	1.103951695	0.93527575	1.24309598	1.0531598
A_52_P3665	2863.2	Detected	3329.7	Detected	2570.5	Detected	3160.7	Detected	Coq10b	1.103904722	0.89777172	0.94924468	0.7719915
A_55_P2168	62.6	Detected	69.9	Detected	57.1	Detected	69.1	Detected	Polr3e	1.103833866	0.91214058	0.98855508	0.8168813
A_51_P2690	1655.6	Detected	1375.6	Detected	1191.6	Detected	1827.5	Detected	Habp4	1.103829427	0.71973907	1.3285112	0.8662402
A_66_P1351	1391.9	Detected	1128.2	Detected	1424	Detected	1536.4	Detected	Msl2	1.103814929	1.023062	1.36181528	1.2621876
A_52_P5858	7796.9	Detected	9458.3	Detected	9222.8	Detected	8605.1	Detected	Bap1	1.103656581	1.18288038	0.90979351	0.9751012
A_55_P2176	115.8	Detected	99.8	Detected	108.5	Detected	127.8	Detected	Gm4532	1.103626943	0.93696028	1.28056112	1.0871743
A_51_P1187	235555.1	Detected	233597	Detected	247049.4	Detected	259950.4	Detected	Eef1a1	1.103565153	1.04879665	1.11281566	1.0575881
A_66_P1244	1492	Detected	1157.8	Detected	1445.1	Detected	1646.5	Detected	3110002H16Rik	1.103552279	0.96856568	1.42209363	1.248143
A_52_P1671	7888.2	Detected	5944	Detected	8714.2	Detected	8704.7	Detected	Isca1	1.103509039	1.10471337	1.46445155	1.4660498
A_55_P2179	3626.9	Detected	3329.1	Detected	3678	Detected	4002.2	Detected	Man1a2	1.103476798	1.01408917	1.20218678	1.1048031
A_55_P2051	3898.4	Detected	3056.8	Detected	3302.8	Detected	4301.2	Detected	Ppfia1	1.103324441	0.84721937	1.40709238	1.0804763
A_55_P2119	707.5	Detected	609	Detected	598.2	Detected	780.6	Detected	Sfrs18	1.103321555	0.84551237	1.2817734	0.982266
A_55_P2053	1547.6	Detected	1827.2	Detected	1406.6	Detected	1707.4	Detected	Kdm4c	1.103256655	0.90889119	0.9344352	0.7698117
A_51_P1640	31864.1	Detected	37238.2	Detected	24817.1	Detected	35153.3	Detected	Cenpe	1.103225887	0.77884202	0.94401179	0.666442
A_55_P2063	6295	Detected	6885.3	Detected	6006.2	Detected	6944.8	Detected	Gm5801	1.103224782	0.95412232	1.0086416	0.8723222
A_51_P1551	34472.7	Detected	31737	Detected	27015.8	Detected	38028.7	Detected	Cdca8	1.10315409	0.7836868	1.19824495	0.8512399
A_51_P4947	9615.1	Detected	8637.8	Detected	8831	Detected	10605.6	Detected	Rcor1	1.103015049	0.91845119	1.22781264	1.0223668
A_55_P2018	17290.6	Detected	21729.6	Detected	17752.5	Detected	19070.2	Detected	Zkscan17	1.102922975	1.02671394	0.87761395	0.8169732
A_55_P2006	310097.2	Detected	335545.3	Detected	317894.1	Detected	342012.6	Detected	Uba52	1.102920633	1.02514341	1.019274	0.9473955

A_55_P2107	84162.9	Detected	79694.8	Detected	93230.3	Detected	92822.8	Detected	Gm15421	1.102894506	1.10773631	1.16472844	1.1698417
A_51_P2368	4945.4	Detected	7478.4	Detected	7595.8	Detected	5454	Detected	Zswim7	1.102843046	1.53593238	0.72930039	1.0156985
A_55_P2133	128.4	Detected	153.2	Detected	139.2	Detected	141.6	Detected	LOC101055842	1.102803738	1.08411215	0.92428198	0.9086162
A_52_P5464	245.2	Detected	234.8	Detected	187.1	Detected	270.4	Detected	Ube2d1	1.102773246	0.76305057	1.1516184	0.7968484
A_52_P2489	334.8	Detected	258	Detected	313.4	Detected	369.2	Detected	Ubp1	1.102747909	0.93608124	1.43100775	1.2147287
A_55_P1981	29051.2	Detected	23458.9	Detected	27491.8	Detected	32034.8	Detected	Gsk3a	1.102701437	0.94632236	1.36557128	1.1719134
A_52_P4854	543.8	Detected	645	Detected	445.7	Detected	599.6	Detected	Rnf41	1.102611254	0.8196028	0.9296124	0.6910078
A_51_P2340	16937.4	Detected	13568.3	Detected	16695.2	Detected	18675.3	Detected	Rbm5	1.102607248	0.98570028	1.37639203	1.2304563
A_55_P2052	9941.5	Detected	10557.8	Detected	8789.2	Detected	10961.3	Detected	Setd5	1.102580094	0.88409194	1.03821819	0.832484
A_52_P1349	1477	Detected	1449.3	Detected	1705.9	Detected	1628.5	Detected	Wdr20	1.102572783	1.1549763	1.1236459	1.177051
A_55_P1981	5734.8	Detected	5560.1	Detected	5412.1	Detected	6322.5	Detected	Ddx6	1.102479598	0.94372951	1.13711984	0.9733818
A_55_P1980	1155.2	Detected	1051.5	Detected	1066	Detected	1273.5	Detected	Aurkb	1.10240651	0.92278393	1.21112696	1.0137898
A_55_P2324	213.9	Detected	190.5	Detected	197	Detected	235.8	Detected	Dmrt1	1.102384292	0.92099112	1.23779528	1.0341207
A_51_P3115	319371.9	Detected	333772.8	Detected	352907.4	Detected	352046.7	Detected	Cox6a1	1.102309564	1.10500454	1.05474952	1.0573282
A_51_P4590	2343.9	Detected	2303.8	Detected	2384	Detected	2583.7	Detected	Aplf	1.102308119	1.01710824	1.12149492	1.034812
A_55_P2118	22.5	Detected	25.5	Detected	18.6	Detected	24.8	Not Detect	Lasp1	1.102222222	0.82666667	0.97254902	0.7294118
A_52_P5904	1278.7	Detected	1383.4	Detected	1302.5	Detected	1409.4	Detected	Ccnl1	1.102213185	1.01861265	1.01879427	0.9415209
A_55_P2106	18.6	Detected	15.7	Not Detect	13.4	Not Detect	20.5	Not Detect	Bglap	1.102150538	0.72043011	1.30573248	0.8535032
A_51_P1723	13085.5	Detected	9635.3	Detected	9833.6	Detected	14422	Detected	Pak2	1.102135952	0.75148829	1.49678785	1.0205806
A_52_P6215	6327.5	Detected	6514	Detected	6647.3	Detected	6973.6	Detected	Tcf20	1.102109838	1.05054129	1.07055573	1.0204636
A_55_P2014	33.3	Detected	33.5	Detected	46.1	Detected	36.7	Not Detect	Atp5j	1.102102102	1.38438438	1.09552239	1.3761194
A_55_P2063	551.8	Detected	589.7	Detected	568.8	Detected	608.1	Detected	Gm13271	1.102029721	1.03080826	1.03120231	0.9645582
A_51_P4582	4125.9	Detected	2742.5	Detected	3626.8	Detected	4546.7	Detected	Wdr13	1.101989869	0.87903245	1.65786691	1.322443
A_55_P2007	4893.6	Detected	5436.6	Detected	5199.8	Detected	5392.3	Detected	Smu1	1.101908615	1.06257152	0.99185152	0.9564434
A_66_P1374	3570.2	Detected	3226.7	Detected	3438.7	Detected	3933.6	Detected	Btaf1	1.101787015	0.96316733	1.21907832	1.0657018
A_55_P2060	240.7	Detected	243.4	Detected	216.8	Detected	265.2	Detected	Rabep1	1.101786456	0.90070627	1.0895645	0.8907149
A_55_P2102	90.4	Detected	97.4	Detected	84.3	Detected	99.6	Detected	Lztf1	1.101769912	0.93252212	1.02258727	0.8655031
A_55_P2099	19.7	Detected	24.3	Detected	22.4	Detected	21.7	Not Detect	Vmn2r85	1.101522843	1.13705584	0.89300412	0.9218107
A_51_P4569	3918.4	Detected	3275.7	Detected	3973.5	Detected	4316.2	Detected	Pex11a	1.101521029	1.01406186	1.31764203	1.2130232
A_55_P2069	144.8	Detected	128.4	Detected	89.2	Detected	159.5	Detected	Plp1	1.101519337	0.6160221	1.24221184	0.694704
A_55_P1979	93.6	Detected	98.3	Detected	94.4	Detected	103.1	Detected	Cep192	1.101495726	1.00854701	1.04883011	0.9603255
A_51_P2237	431.6	Detected	440.7	Detected	299.5	Detected	475.4	Detected	Nr1d1	1.101482854	0.69392956	1.07873837	0.6796006
A_55_P2423	69	Detected	78.5	Detected	41.9	Detected	76	Detected	2900057C01Rik	1.101449275	0.60724638	0.96815287	0.533758
A_66_P1326	27.6	Detected	32.5	Detected	31.4	Detected	30.4	Not Detect	1700015F17Rik	1.101449275	1.13768116	0.93538462	0.9661538
A_55_P2247	133.1	Detected	126.6	Detected	172.4	Detected	146.6	Detected	Rab26os	1.101427498	1.29526672	1.15797788	1.3617694
A_55_P2428	730.2	Detected	694	Detected	926.9	Detected	804.2	Detected	Lrrc2	1.101342098	1.26937825	1.15878963	1.3355908
A_55_P2002	233852.8	Detected	251446.8	Detected	233067.3	Detected	257547.6	Detected	Gm9234	1.101323568	0.99664105	1.02426279	0.926905
A_55_P2164	17903.8	Detected	15017.9	Detected	15314.6	Detected	19717.7	Detected	Ptdss1	1.101313688	0.85538266	1.31294655	1.0197564
A_55_P2060	281817.7	Detected	283050.3	Detected	268687.9	Detected	310360.9	Detected	Apopt1	1.101282496	0.95341031	1.09648674	0.9492585
A_52_P2990	265.6	Detected	291.2	Detected	190.4	Detected	292.5	Detected	Ptplb	1.10128012	0.71686747	1.00446429	0.6538462

A_51_P4723	1812.3	Detected	2870.2	Detected	918.6	Detected	1995.6	Detected	Tldc1	1.101142195	0.50686972	0.69528256	0.3200474
A_52_P1092	186.2	Detected	149.1	Detected	112.5	Detected	205	Detected	LOC101056333	1.100966702	0.60418904	1.37491616	0.7545272
A_52_P2563	298.2	Detected	372.9	Detected	378.1	Detected	328.3	Detected	Rnf146	1.100938967	1.26794098	0.88039689	1.0139448
A_51_P1619	626.7	Detected	602.3	Detected	529.1	Detected	689.9	Detected	Tspo2	1.1008457	0.8442636	1.14544247	0.8784659
A_55_P1972	5311.6	Detected	5211.8	Detected	4937.8	Detected	5846.9	Detected	0610037L13Rik	1.100779426	0.92962572	1.12185809	0.947427
A_66_P1372	5592.1	Detected	4106.4	Detected	5453.5	Detected	6155.5	Detected	Elane	1.100749271	0.97521504	1.49900156	1.3280489
A_52_P3461	1550.4	Detected	1153.8	Detected	1763.7	Detected	1706.6	Detected	Foxn2	1.100748194	1.1375774	1.4791125	1.5286011
A_51_P5076	949.8	Detected	805	Detected	963.8	Detected	1045.4	Detected	Itpkc	1.100652769	1.01473995	1.29863354	1.1972671
A_55_P1975	10519.3	Detected	14448.2	Detected	11413.4	Detected	11577.8	Detected	Nol11	1.100624566	1.08499615	0.80133165	0.7899531
A_55_P1952	40766.2	Detected	28118.5	Detected	30105.3	Detected	44867.1	Detected	Cic	1.100595591	0.73848679	1.59564344	1.0706581
A_55_P2107	51909.9	Detected	53513	Detected	55692.4	Detected	57127.2	Detected	Aurkaip1	1.10050684	1.07286664	1.06753873	1.0407266
A_55_P2022	8430.5	Detected	7465.1	Detected	7734.3	Detected	9277.8	Detected	Klf10	1.100504122	0.9174189	1.24282327	1.0360611
A_52_P5597	59.7	Detected	52.9	Detected	49.8	Detected	65.7	Detected	Hist1h2bq	1.100502513	0.83417085	1.24196597	0.9413989
A_55_P2017	78409.7	Detected	79181.4	Detected	85378.2	Detected	86289.6	Detected	Cox5b	1.100496495	1.08887293	1.08977108	1.0782608
A_55_P2006	82368.8	Detected	65031.6	Detected	123316	Detected	90640.8	Detected	Rbp4	1.100426375	1.49712027	1.39379625	1.8962474
A_55_P1954	63903.6	Detected	61700.4	Detected	82448.1	Detected	70321	Detected	Snrpd2	1.100423137	1.29019492	1.13971708	1.3362652
A_55_P2064	1367.9	Detected	1298.8	Detected	1127.8	Detected	1505.2	Detected	Cnot6	1.100372834	0.82447547	1.15891592	0.86834
A_55_P1993	12664.9	Detected	13091.8	Detected	9551.6	Detected	13935.4	Detected	Kdm1a	1.100316623	0.75417887	1.06443728	0.7295865
A_55_P2055	68.8	Detected	79.3	Detected	83.5	Detected	75.7	Detected	4930547M16Rik	1.100290698	1.21366279	0.95460277	1.0529634
A_55_P2046	82029	Detected	66064	Detected	81597.8	Detected	90252.9	Detected	Eif4g1	1.100256007	0.99474332	1.36614344	1.2351326
A_52_P3762	2663.3	Detected	1636.1	Detected	2258.9	Detected	2930.3	Detected	Cstf3	1.100251568	0.8481583	1.79102744	1.3806613
A_55_P1956	117.8	Detected	121	Detected	211.7	Detected	129.6	Detected	Gm8909	1.100169779	1.79711375	1.07107438	1.7495868
A_55_P2436	36216.8	Detected	24993.6	Detected	31447.7	Detected	39841.8	Detected	Paics	1.10009167	0.86831802	1.59408008	1.2582301
A_55_P2008	58084.2	Detected	53531.2	Detected	62457.5	Detected	63897.8	Detected	Gm4910	1.100089181	1.07529242	1.19365529	1.1667495
A_52_P2274	2466.2	Detected	2638.8	Detected	2969.7	Detected	2713	Detected	Parp2	1.100072987	1.20416025	1.02811884	1.1253979
A_55_P2028	18564.2	Detected	20016.2	Detected	17131.4	Detected	20420.7	Detected	Ube2j2	1.100004309	0.92281919	1.02020863	0.8558767
A_52_P3543	56	Detected	54.7	Detected	56.8	Detected	61.6	Detected	Snrpn	1.1	1.01428571	1.1261426	1.0383912
A_51_P1194	1844.1	Detected	1288	Detected	1519.9	Detected	2028.3	Detected	Tug1	1.099886123	0.82419608	1.57476708	1.1800466
A_51_P4306	16717.2	Detected	12466.1	Detected	15053.5	Detected	18385.9	Detected	Slc25a12	1.099819348	0.90047975	1.47487185	1.2075549
A_55_P2117	5090.3	Detected	4839.6	Detected	5081.2	Detected	5598.4	Detected	Mtmr3	1.0998173	0.99821229	1.15678982	1.0499215
A_55_P2031	446.9	Detected	368.8	Detected	412.2	Detected	491.5	Detected	Fbxo39	1.099798613	0.92235399	1.33270065	1.117679
A_55_P2140	145.3	Detected	143.2	Detected	116.4	Detected	159.8	Detected	Nhlh1	1.099793531	0.80110117	1.11592179	0.8128492
A_55_P2052	10443.3	Detected	6345	Detected	8725.9	Detected	11485.3	Detected	Xiap	1.09977689	0.83555007	1.81013396	1.3752403
A_55_P2051	1591.7	Detected	1378.3	Detected	1837.3	Detected	1750.5	Detected	Gm11937	1.099767544	1.15430043	1.27004281	1.3330189
A_55_P2003	9069.6	Detected	9867.3	Detected	7852.4	Detected	9974.1	Detected	Rybp	1.099728764	0.86579342	1.01082363	0.7958003
A_55_P1977	2094.1	Detected	2089.2	Detected	2515.4	Detected	2302.9	Detected	4932422M17Rik	1.099708705	1.20118428	1.10228796	1.2040015
A_52_P1752	11596.6	Detected	5375.9	Detected	9263.7	Detected	12752.7	Detected	Irs1	1.099693013	0.79882897	2.37219814	1.7231905
A_55_P2002	58.2	Detected	48.9	Detected	55.7	Detected	64	Detected	Mrgprb4	1.099656357	0.95704467	1.30879346	1.1390593
A_52_P3761	28548.8	Detected	24771.7	Detected	34414.6	Detected	31391.7	Detected	Mknk2	1.099580368	1.20546573	1.26724044	1.3892708
A_51_P2958	3853	Detected	3772.5	Detected	4636.7	Detected	4236.2	Detected	Cep192	1.09945497	1.20339995	1.12291584	1.2290789

A_51_P1050	722.7	Detected	899.3	Detected	900	Detected	794.5	Detected	Rad52	1.099349661	1.24533001	0.88346492	1.0007784
A_55_P2122	770.2	Detected	460.3	Detected	1629.9	Detected	846.7	Detected	Zfp185	1.099324851	2.11620358	1.83945253	3.5409516
A_55_P2022	2341.4	Detected	1610.1	Detected	2143.8	Detected	2573.9	Detected	LOC100045191	1.099299564	0.91560605	1.59859636	1.3314701
A_55_P2028	1088.2	Detected	1162.2	Detected	1097.3	Detected	1196.2	Detected	Ppm1d	1.099246462	1.00836243	1.02925486	0.9441576
A_55_P1978	3953.6	Detected	4526.8	Detected	3818.9	Detected	4345.5	Detected	Trit1	1.099124848	0.96592979	0.95994963	0.8436202
A_52_P2429	25211.2	Detected	22887.9	Detected	28805.3	Detected	27710	Detected	Sec11a	1.099114679	1.14255966	1.21068337	1.2585384
A_55_P1955	273042	Detected	332900.3	Detected	319325.9	Detected	300103.1	Detected	Rps12-ps18	1.099109661	1.16951202	0.90148041	0.9592238
A_55_P2093	88.8	Detected	90.3	Detected	92	Detected	97.6	Detected	Pon2	1.099099099	1.03603604	1.08084164	1.0188261
A_55_P2040	14079.6	Detected	14488.8	Detected	10583.6	Detected	15473.9	Detected	Cnn3	1.099029802	0.75169749	1.06799045	0.7304677
A_51_P4703	118660.9	Detected	111247	Detected	64567.8	Detected	130411.2	Detected	Sepp1	1.099024194	0.54413712	1.17226712	0.5804004
A_52_P5073	694.8	Detected	658.3	Detected	732.1	Detected	763.6	Detected	Gstcd	1.099021301	1.05368451	1.15995747	1.1121069
A_66_P1210	203.1	Detected	231.3	Detected	262.2	Detected	223.2	Detected	Spata24	1.098966027	1.29098966	0.96498054	1.1335927
A_55_P2180	128.4	Detected	131.6	Detected	155.1	Detected	141.1	Detected	Clstn3	1.098909657	1.20794393	1.07218845	1.1785714
A_55_P2091	9.1	Not Detect	19.4	Detected	8.4	Not Detect	10	Not Detect	Olfir871	1.098901099	0.92307692	0.51546392	0.4329897
A_55_P2163	204915.1	Detected	226228.4	Detected	243258.7	Detected	225174.4	Detected	Rps27	1.098866799	1.18711945	0.99534099	1.0752792
A_52_P5047	714.5	Detected	601.4	Detected	695.7	Detected	785.1	Detected	Cdyl	1.098810357	0.97368789	1.30545394	1.1568008
A_52_P8805	58.7	Detected	55.7	Detected	53	Detected	64.5	Detected	Chrm4	1.098807496	0.90289608	1.15798923	0.951526
A_55_P2094	5149.4	Detected	4443.3	Detected	6518.3	Detected	5658.1	Detected	Erp27	1.098788208	1.2658368	1.2734004	1.4669953
A_55_P2357	40.5	Detected	33.1	Detected	27.6	Detected	44.5	Not Detect	B930042K01Rik	1.098765432	0.68148148	1.34441088	0.8338369
A_55_P2156	31.4	Detected	24.3	Detected	17.8	Detected	34.5	Not Detect	BB014433	1.098726115	0.56687898	1.41975309	0.7325103
A_55_P1953	2253.1	Detected	2452.9	Detected	3643.2	Detected	2475.5	Detected	Mettl18	1.098708446	1.61697217	1.00921358	1.4852623
A_55_P2013	4484.5	Detected	5198.7	Detected	4924.8	Detected	4927	Detected	Ddx31	1.098673208	1.09818263	0.94773693	0.9473138
A_55_P2146	11203	Detected	12522.9	Detected	9675.9	Detected	12308.3	Detected	Dennd5b	1.098661073	0.8636883	0.98286339	0.7726565
A_55_P1998	282.9	Detected	278.4	Detected	201.7	Detected	310.8	Detected	Prim2	1.098621421	0.71297278	1.11637931	0.7244971
A_55_P2040	43299.9	Detected	38989.7	Detected	44574.4	Detected	47567	Detected	Cdv3	1.098547572	1.02943425	1.21998887	1.1432353
A_52_P2665	7932.3	Detected	5698	Detected	7726	Detected	8713.8	Detected	Ide	1.098521236	0.97399241	1.52927343	1.3559144
A_52_P2713	1007.3	Detected	1098.1	Detected	1030.6	Detected	1106.5	Detected	Efr3a	1.098481088	1.02313114	1.00764958	0.9385302
A_55_P2112	79478.6	Detected	55751	Detected	68288.1	Detected	87305.4	Detected	Tnk2	1.098476823	0.85920109	1.56598805	1.2248767
A_55_P1963	4380	Detected	3965.1	Detected	4362.1	Detected	4811.2	Detected	Upf3b	1.098447489	0.99591324	1.2133868	1.1001236
A_52_P3561	1112.4	Detected	1106.3	Detected	995	Detected	1221.9	Detected	Hus1	1.098435814	0.89446242	1.10449245	0.8993944
A_55_P2133	33508.5	Detected	28592.4	Detected	40257	Detected	36802.9	Detected	Mad211	1.098315353	1.20139666	1.28715673	1.4079616
A_55_P1968	33539.4	Detected	40815	Detected	42951.2	Detected	36836	Detected	Tomm22	1.098290369	1.28061921	0.90251133	1.0523386
A_55_P2038	439.6	Detected	300.3	Detected	400.8	Detected	482.8	Detected	Pddc1	1.098271156	0.91173794	1.60772561	1.3346653
A_51_P3546	26264.3	Detected	19934.8	Detected	18164.3	Detected	28844.7	Detected	Dync1h1	1.098247431	0.69159658	1.44695206	0.9111855
A_52_P2087	1332.6	Detected	1313.1	Detected	1092.5	Detected	1463.5	Detected	Zmym4	1.098229026	0.8198259	1.11453812	0.8320006
A_55_P2026	178.2	Detected	155.8	Detected	177.4	Detected	195.7	Detected	Gm11564	1.098204265	0.99551066	1.25609756	1.1386393
A_55_P2155	695.7	Detected	801.8	Detected	734.8	Detected	764	Detected	Pvt1	1.098174501	1.05620239	0.95285607	0.916438
A_55_P1989	6880.4	Detected	6285.8	Detected	6199.2	Detected	7555.8	Detected	Thrap3	1.098162898	0.90099413	1.2020427	0.9862229
A_55_P1997	200.7	Detected	162.8	Detected	174.1	Detected	220.4	Detected	Exoc6b	1.098156452	0.86746388	1.35380835	1.0694103
A_52_P9255	1007.2	Detected	781.9	Detected	1065.6	Detected	1106	Detected	Kdm2a	1.098093725	1.05798253	1.41450313	1.3628341

A_52_P2037	319.1	Detected	79.5	Detected	251.7	Detected	350.4	Detected	Mras	1.098088374	0.78878095	4.40754717	3.1660377
A_55_P2166	91537.5	Detected	73294.1	Detected	102251.5	Detected	100514.1	Detected	Pitpna	1.098064728	1.11704493	1.37138051	1.395085
A_55_P2192	1611.3	Detected	1233	Detected	859.7	Detected	1769.3	Detected	5830469G19Rik	1.098057469	0.53354434	1.43495539	0.6972425
A_51_P1407	490.6	Detected	410.6	Detected	523.2	Detected	538.7	Detected	Dcaf6	1.098043212	1.06644925	1.31198246	1.2742328
A_55_P2047	1352.5	Detected	722.6	Detected	967.8	Detected	1485.1	Detected	Cutal	1.098040665	0.71556377	2.05521727	1.3393302
A_66_P1172	768.2	Detected	670.1	Detected	681.4	Detected	843.5	Detected	Cdk13	1.098021349	0.88700859	1.25876735	1.0168632
A_55_P2002	224.5	Detected	234.7	Detected	270.7	Detected	246.5	Detected	Zfp707	1.097995546	1.20579065	1.05027695	1.1533873
A_55_P2291	164.3	Detected	144.9	Detected	128.7	Detected	180.4	Detected	4833447P13Rik	1.097991479	0.78332319	1.24499655	0.8881988
A_52_P3761	2932.7	Detected	2345.5	Detected	2346.3	Detected	3220	Detected	Slc30a9	1.097964333	0.80004774	1.37284161	1.0003411
A_51_P2258	4993.3	Detected	5587.2	Detected	5178.6	Detected	5482.2	Detected	2700097O09Rik	1.097911201	1.03710973	0.98120704	0.9268686
A_51_P3205	9029.1	Detected	11284.3	Detected	10945.5	Detected	9912.5	Detected	Fam105b	1.097839209	1.21224707	0.87843287	0.969976
A_51_P2946	1672	Detected	1481.4	Detected	1013.2	Detected	1835.4	Detected	Cdr2	1.097727273	0.60598086	1.23896314	0.6839476
A_55_P2205	297	Detected	300.9	Detected	346.2	Detected	326	Detected	Aamdc	1.097643098	1.16565657	1.08341642	1.1505484
A_66_P1004	5185.1	Detected	4771.1	Detected	5443.4	Detected	5690.7	Detected	Vezf1	1.097510173	1.04981582	1.19274381	1.1409109
A_52_P7951	224.6	Detected	281.1	Detected	290.3	Detected	246.5	Detected	Zfp84	1.097506679	1.29252004	0.87691213	1.0327286
A_55_P1960	1458.2	Detected	1019.9	Detected	1319.7	Detected	1600.3	Detected	Arl13b	1.09744891	0.90501989	1.5690754	1.2939504
A_51_P1276	27596.8	Detected	20806.8	Detected	25889.8	Detected	30286	Detected	Clic4	1.097446081	0.938145	1.45558183	1.2442951
A_55_P2165	418.7	Detected	296.9	Detected	362.9	Detected	459.5	Detected	Ncor1	1.097444471	0.86673036	1.54765914	1.2222971
A_55_P2004	242.2	Detected	196.5	Detected	232.2	Detected	265.8	Detected	Nupl2	1.097440132	0.95871181	1.35267176	1.1816794
A_55_P2076	1481.6	Detected	1570.1	Detected	1949.3	Detected	1625.9	Detected	Defa-rs10	1.097394708	1.31567225	1.03553914	1.2415133
A_55_P2121	45.2	Detected	34.4	Detected	38.1	Detected	49.6	Not Detect	Gm10751	1.097345133	0.84292035	1.44186047	1.1075581
A_55_P2165	75	Detected	68.7	Detected	75.3	Detected	82.3	Detected	Gmfg	1.097333333	1.004	1.19796215	1.0960699
A_51_P1652	637	Detected	776.2	Detected	530.2	Detected	699	Detected	Snx16	1.09733124	0.83233909	0.9005411	0.6830714
A_55_P2170	12754	Detected	11011.9	Detected	13113.7	Detected	13994.9	Detected	Bmi1	1.097294966	1.02820292	1.27088877	1.1908662
A_55_P2030	822.4	Detected	891.4	Detected	679.5	Detected	902.2	Detected	LOC101056094	1.097033074	0.82624027	1.01211577	0.762284
A_55_P2139	125.9	Detected	216	Detected	151.2	Detected	138.1	Detected	A730020M07Rik	1.096902303	1.20095314	0.63935185	0.7
A_66_P1380	349.1	Detected	295.4	Detected	315.2	Detected	382.9	Detected	Gm4710	1.096820395	0.90289315	1.29620853	1.0670278
A_55_P2010	49.6	Detected	41.5	Detected	43.8	Detected	54.4	Detected	Grm4	1.096774194	0.88306452	1.31084337	1.0554217
A_52_P4943	2815.7	Detected	2271.5	Detected	2654.6	Detected	3088.1	Detected	Dgkq	1.096743261	0.9427851	1.35949813	1.1686551
A_55_P2108	30994.6	Detected	27348.1	Detected	44357.5	Detected	33991.7	Detected	Glud1	1.096697489	1.43113639	1.2429273	1.6219591
A_52_P6136	177.9	Detected	155.3	Detected	157.7	Detected	195.1	Detected	Tmem41b	1.09668353	0.88645306	1.25627817	1.015454
A_55_P1967	1155.4	Detected	964.8	Detected	1129.3	Detected	1267.1	Detected	Fgfr1	1.096676476	0.97741042	1.31332919	1.1705017
A_52_P1173	86.9	Detected	116.1	Detected	74.1	Detected	95.3	Detected	Azin1	1.096662831	0.85270426	0.8208441	0.6382429
A_51_P1553	144913.1	Detected	115191.4	Detected	207337.4	Detected	158915.1	Detected	Gsto1	1.096623425	1.43077058	1.37957434	1.7999382
A_55_P2042	37.3	Detected	35.6	Detected	51.5	Detected	40.9	Not Detect	Cyp2d40	1.096514745	1.38069705	1.1488764	1.4466292
A_55_P2431	45.6	Detected	43.4	Detected	57.3	Detected	50	Not Detect	Thap6	1.096491228	1.25657895	1.15207373	1.3202765
A_52_P5622	11.4	Not Detect	19.9	Detected	15.9	Detected	12.5	Not Detect	9130409123Rik	1.096491228	1.39473684	0.6281407	0.798995
A_52_P4265	4397.9	Detected	3382.5	Detected	4093.8	Detected	4822.1	Detected	Sh3bgrl	1.096455126	0.93085336	1.42560237	1.2102882
A_52_P4318	8568.2	Detected	5711	Detected	6580.5	Detected	9394.3	Detected	201011101Rik	1.09641465	0.76801429	1.64494835	1.15225
A_51_P4568	8.3	Not Detect	8.2	Not Detect	16.2	Detected	9.1	Not Detect	Slc19a3	1.096385542	1.95180723	1.1097561	1.9756098

A_55_P2112	243.9	Detected	270.3	Detected	249.5	Detected	267.4	Detected	Crtc2	1.096350964	1.02296023	0.98927118	0.9230485
A_55_P2018	7095.7	Detected	4432	Detected	11189	Detected	7778.9	Detected	Lmo4	1.096283665	1.5768705	1.75516697	2.5245939
A_51_P2817	27324.1	Detected	27405.8	Detected	29481.7	Detected	29951.6	Detected	Khsrp	1.096160532	1.07896326	1.09289275	1.0757467
A_55_P2100	46.8	Detected	62.1	Detected	58.6	Detected	51.3	Not Detect	Wibg	1.096153846	1.25213675	0.82608696	0.9436393
A_51_P4537	20.8	Detected	34.7	Detected	27.6	Detected	22.8	Not Detect	Apol11b	1.096153846	1.32692308	0.65706052	0.795389
A_52_P3274	7690.8	Detected	7686.4	Detected	7315.1	Detected	8430.1	Detected	Med7	1.096127841	0.95114943	1.09675531	0.9516939
A_55_P2289	840	Detected	713.1	Detected	901.4	Detected	920.7	Detected	Fam160a2	1.096071429	1.07309524	1.29112326	1.2640583
A_55_P1962	8988.5	Detected	6844.8	Detected	8004.4	Detected	9851.6	Detected	Clcn4-2	1.096022696	0.89051566	1.43928237	1.1694133
A_51_P2150	13152.9	Detected	7548.4	Detected	18892.8	Detected	14415.3	Detected	Mgst3	1.095978834	1.43639806	1.90971597	2.502888
A_51_P3461	84.4	Detected	126.5	Detected	97.2	Detected	92.5	Detected	Aspdh	1.095971564	1.15165877	0.7312253	0.7683794
A_55_P1994	5333.6	Detected	6370.1	Detected	4845.3	Detected	5845.2	Detected	Snx16	1.095920204	0.90844833	0.91759941	0.7606317
A_55_P2043	12172.2	Detected	13553.8	Detected	15874.1	Detected	13339.5	Detected	Psmg2	1.095898851	1.30412744	0.98418894	1.1711918
A_55_P2114	20887.8	Detected	19313.9	Detected	18145.9	Detected	22890.4	Detected	Car4	1.095874147	0.86873199	1.18517751	0.9395254
A_55_P2069	340650.7	Detected	385810.1	Detected	357905.9	Detected	373299.8	Detected	Uba52	1.095843337	1.05065365	0.96757394	0.9276737
A_55_P2024	54967.9	Detected	54005.3	Detected	62048.5	Detected	60233.5	Detected	Zfp706	1.095794091	1.12881336	1.11532572	1.1489335
A_52_P3213	145025.6	Detected	158740.2	Detected	146101.8	Detected	158911.1	Detected	ATP6	1.095745165	1.00742076	1.0010766	0.9203831
A_51_P2264	1293.5	Detected	1285.8	Detected	1059.1	Detected	1417.3	Detected	Mypop	1.095709316	0.81878624	1.10227096	0.8236895
A_51_P1887	4082.9	Detected	3338.6	Detected	3649.9	Detected	4473.6	Detected	Akr7a5	1.095691788	0.89394793	1.33996286	1.0932427
A_66_P1247	13968.4	Detected	11467.7	Detected	14880.1	Detected	15303.6	Detected	Tbcb	1.095587182	1.06526875	1.33449602	1.2975662
A_51_P3711	14524	Detected	10155.7	Detected	12056	Detected	15911.6	Detected	Bag3	1.095538419	0.83007436	1.56676546	1.1871166
A_51_P1025	22922.1	Detected	23991.8	Detected	22061.4	Detected	25111.8	Detected	Metap1	1.095527897	0.96245108	1.04668262	0.9195392
A_55_P2168	857.9	Detected	627	Detected	528.4	Detected	939.8	Detected	Amer1	1.095465672	0.6159226	1.49888357	0.8427432
A_51_P2484	2658.5	Detected	2649.8	Detected	3639.6	Detected	2912.1	Detected	Poglut1	1.095392138	1.36904269	1.0989886	1.3735376
A_55_P2005	158.3	Detected	155.8	Detected	151	Detected	173.4	Detected	Lin9	1.095388503	0.95388503	1.11296534	0.9691913
A_51_P4000	2386.3	Detected	2684.5	Detected	3053.3	Detected	2613.8	Detected	Ubxn2a	1.095335876	1.27951222	0.97366362	1.1373813
A_55_P1982	55893.5	Detected	47182.2	Detected	70175.6	Detected	61220.1	Detected	Drap1	1.095299096	1.25552345	1.29752534	1.4873321
A_52_P4920	82.9	Detected	103.7	Detected	104.1	Detected	90.8	Detected	Dusp16	1.095295537	1.25572979	0.8756027	1.0038573
A_51_P1047	21	Detected	7.4	Not Detect	9.1	Not Detect	23	Not Detect	Rsph6a	1.095238095	0.43333333	3.10810811	1.2297297
A_51_P4643	8.4	Not Detect	3.3	Not Detect	21.1	Detected	9.2	Not Detect	Klb	1.095238095	2.51190476	2.78787879	6.3939394
A_55_P2372	8.4	Not Detect	3.3	Not Detect	35.4	Detected	9.2	Not Detect	4122401K19Rik	1.095238095	4.21428571	2.78787879	10.727273
A_51_P3252	254.2	Detected	301.4	Detected	312.8	Detected	278.4	Detected	1700052N19Rik	1.095200629	1.23052714	0.92368945	1.0378235
A_55_P2300	264.8	Detected	316.5	Detected	270.2	Detected	290	Detected	AW050198	1.095166163	1.02039275	0.91627172	0.8537125
A_52_P1143	30.5	Detected	28.4	Detected	28.7	Detected	33.4	Not Detect	B130006D01Rik	1.095081967	0.94098361	1.17605634	1.0105634
A_52_P3294	58.9	Detected	42.8	Detected	74.7	Detected	64.5	Detected	Mbp	1.095076401	1.26825127	1.50700935	1.7453271
A_52_P3189	3745.5	Detected	4531.6	Detected	4756.7	Detected	4101.6	Detected	Ap3m1	1.095074089	1.26997731	0.90511078	1.0496734
A_51_P4880	3003.4	Detected	2101.3	Detected	2372.3	Detected	3288.8	Detected	Pde6d	1.095025638	0.78987148	1.56512635	1.1289678
A_55_P2113	12271.7	Detected	15486	Detected	8822.8	Detected	13437.5	Detected	Tbc1d1	1.094999063	0.71895499	0.86771923	0.5697275
A_66_P1294	3569	Detected	3571.4	Detected	3856.6	Detected	3907.9	Detected	Tmed9	1.09495657	1.0805828	1.09422075	1.0798566
A_55_P1964	4683	Detected	5546.3	Detected	4054.4	Detected	5127.6	Detected	Elac2	1.094939142	0.86576981	0.92450823	0.7310099
A_55_P2322	84.3	Detected	63.3	Detected	22.8	Detected	92.3	Detected	5930433N17Rik	1.09489917	0.27046263	1.45813586	0.3601896

A_55_P1971	4003.7	Detected	2596.6	Detected	3913.5	Detected	4383.3	Detected	Ciz1	1.094812299	0.97747084	1.68809212	1.5071632
A_55_P1955	44975.2	Detected	38295.3	Detected	43280	Detected	49236.9	Detected	Gm13304	1.094756666	0.96230812	1.28571652	1.1301648
A_52_P5262	8210.1	Detected	8298.6	Detected	11352.4	Detected	8988	Detected	Wdr73	1.09474915	1.3827359	1.08307425	1.3679898
A_55_P2066	281.8	Detected	219.8	Detected	233.6	Detected	308.5	Detected	Aak1	1.094748048	0.82895671	1.40354868	1.0627843
A_55_P2205	54.9	Detected	72	Detected	43.6	Detected	60.1	Detected	4933422A05Rik	1.094717668	0.79417122	0.83472222	0.6055556
A_55_P2043	1129.9	Detected	1171	Detected	1220.6	Detected	1236.9	Detected	Srgap2	1.094698646	1.08027259	1.05627669	1.042357
A_52_P4902	1066.7	Detected	855.9	Detected	1035.1	Detected	1167.7	Detected	Nup98	1.094684541	0.97037593	1.36429489	1.2093703
A_55_P1994	78.2	Detected	41.6	Detected	58.8	Detected	85.6	Detected	Sptbn5	1.094629156	0.75191816	2.05769231	1.4134615
A_55_P2100	573.9	Detected	626.7	Detected	1314	Detected	628.2	Detected	Fjx1	1.094615787	2.28959749	1.00239349	2.096697
A_52_P3774	1621.4	Detected	1752.7	Detected	1519.3	Detected	1774.8	Detected	Disp1	1.094609597	0.93702973	1.01260912	0.866834
A_52_P5996	3165.3	Detected	4308.2	Detected	2510.5	Detected	3464.7	Detected	Pfas	1.094588191	0.79313177	0.80421058	0.582726
A_51_P4872	198.8	Detected	127.2	Detected	202.2	Detected	217.6	Detected	Cep110	1.094567404	1.01710262	1.71069182	1.5896226
A_55_P2047	785.2	Detected	1294.5	Detected	1021.5	Detected	859.4	Detected	Sat2	1.094498217	1.30094244	0.66388567	0.7891078
A_51_P2930	3383.8	Detected	3658.4	Detected	3763.2	Detected	3703.3	Detected	Mfsd7b	1.094420474	1.11212247	1.01227312	1.0286464
A_55_P2011	1152.2	Detected	1554.3	Detected	1268.6	Detected	1260.9	Detected	Zfp296	1.09434126	1.10102413	0.81123335	0.8161874
A_55_P2003	11305	Detected	14379.9	Detected	8165	Detected	12371.4	Detected	Hsph1	1.094329943	0.72224679	0.86032587	0.5678065
A_55_P2072	12288.2	Detected	9452.4	Detected	15394.2	Detected	13447.2	Detected	Fpgs	1.094318126	1.25276281	1.42262283	1.6286023
A_51_P2486	7579.3	Detected	10033.9	Detected	7266.8	Detected	8293.6	Detected	Tdp1	1.094243532	0.95876928	0.82655797	0.7242249
A_55_P2141	124272	Detected	118499.9	Detected	108011.2	Detected	135975.6	Detected	Siglech	1.094177289	0.86915154	1.14747439	0.9114877
A_55_P2020	40980.9	Detected	31485.9	Detected	36151.7	Detected	44839.9	Detected	Pacsin1	1.094165819	0.88215974	1.42412635	1.148187
A_55_P1961	5157	Detected	4382.4	Detected	4962	Detected	5642.5	Detected	Tmem230	1.094143882	0.96218732	1.28753651	1.1322563
A_51_P1174	511	Detected	537.2	Detected	373.1	Detected	559.1	Detected	Slc27a1	1.094129159	0.73013699	1.04076694	0.6945272
A_51_P1698	549.5	Detected	396.7	Detected	712.4	Detected	601.2	Detected	Zbtb3	1.094085532	1.29645132	1.5155029	1.7958155
A_55_P2109	31.9	Detected	45.8	Detected	31.9	Detected	34.9	Not Detect	Psg17	1.094043887	1	0.76200873	0.6965066
A_51_P3672	913.9	Detected	806	Detected	920.3	Detected	999.8	Detected	Rnf135	1.093992778	1.00700295	1.24044665	1.1418114
A_51_P1950	1513.5	Detected	1637.5	Detected	1740.4	Detected	1655.7	Detected	Esco2	1.09395441	1.14991741	1.0111145	1.0628397
A_51_P4085	4596.5	Detected	3815.3	Detected	5395.5	Detected	5028.2	Detected	Oard1	1.093919286	1.17382791	1.31790423	1.4141745
A_55_P2333	818	Detected	484.9	Detected	595.2	Detected	894.8	Detected	Mgea5	1.093887531	0.72762836	1.84532893	1.2274696
A_52_P4276	16	Detected	12.5	Not Detect	13.2	Not Detect	17.5	Not Detect	Zp3	1.09375	0.825	1.4	1.056
A_65_P1648	23.5	Detected	29.6	Detected	26.3	Detected	25.7	Not Detect	Pdzk1	1.093617021	1.11914894	0.86824324	0.8885135
A_55_P2075	13850.3	Detected	16464.5	Detected	10340.6	Detected	15146.9	Detected	Slc20a2	1.093615301	0.74659755	0.91997328	0.6280543
A_66_P1347	42730.6	Detected	36511.9	Detected	49540.8	Detected	46730.2	Detected	Psmg1	1.093600371	1.15937525	1.27986218	1.3568398
A_55_P2136	55.6	Detected	59.9	Detected	73.5	Detected	60.8	Detected	Sva	1.09352518	1.32194245	1.01502504	1.2270451
A_55_P1998	21.4	Detected	18.2	Not Detect	21.4	Detected	23.4	Not Detect	Klkb1	1.093457944	1	1.28571429	1.1758242
A_51_P4199	4934.1	Detected	6423.8	Detected	4931.3	Detected	5395.2	Detected	Eaf1	1.093451693	0.99943252	0.83987671	0.7676609
A_55_P2152	72.8	Detected	69.5	Detected	116.1	Detected	79.6	Detected	Tesc	1.093406593	1.59478022	1.14532374	1.6705036
A_51_P3797	2226.9	Detected	1830.1	Detected	2190	Detected	2434.8	Detected	Nrm	1.09335848	0.98342988	1.3304191	1.1966559
A_55_P1991	200.5	Detected	147.2	Detected	209.9	Detected	219.2	Detected	Mtcp1	1.093266833	1.04688279	1.48913043	1.4259511
A_51_P2889	8459	Detected	7443	Detected	6339.5	Detected	9247.3	Detected	Clip1	1.093190684	0.74943847	1.24241569	0.8517399
A_55_P2007	36.5	Detected	37	Detected	97.1	Detected	39.9	Not Detect	Spdef	1.093150685	2.66027397	1.07837838	2.6243243

A_55_P2069	6264.3	Detected	5747.5	Detected	6634.5	Detected	6847.2	Detected	Klhl12	1.093051099	1.05909679	1.19133536	1.154328
A_55_P1981	11768.6	Detected	6641.5	Detected	10824.7	Detected	12863	Detected	Gsk3b	1.092993219	0.91979505	1.93676127	1.6298577
A_55_P2127	83.9	Detected	86.2	Detected	62.9	Detected	91.7	Detected	Arhgef19	1.092967819	0.74970203	1.0638051	0.7296984
A_51_P2449	1892	Detected	1466	Detected	2026.8	Detected	2067.7	Detected	AI837181	1.092864693	1.07124736	1.41043656	1.3825375
A_51_P4519	14	Not Detect	116.9	Detected	6	Not Detect	15.3	Not Detect	Gml	1.092857143	0.42857143	0.13088109	0.0513259
A_55_P2081	201473.9	Detected	229325.2	Detected	237427.9	Detected	220168.9	Detected	Atp5g2	1.092791175	1.17845488	0.96007286	1.0353328
A_55_P2276	19.4	Detected	17.1	Not Detect	28.3	Detected	21.2	Not Detect	Asb2	1.092783505	1.45876289	1.23976608	1.6549708
A_51_P1672	117.6	Detected	117.5	Detected	109.5	Detected	128.5	Detected	Cd5	1.092687075	0.93112245	1.09361702	0.9319149
A_52_P6214	20360.1	Detected	21400.6	Detected	22496	Detected	22246	Detected	LOC101056069	1.092627246	1.10490616	1.03950357	1.0511855
A_55_P2054	27558.6	Detected	25653.1	Detected	25163.3	Detected	30110.9	Detected	Med8	1.092613558	0.91308339	1.17377237	0.9809068
A_52_P2836	2571.8	Detected	2834.7	Detected	2220.2	Detected	2809.9	Detected	Rps6ka3	1.092581072	0.86328641	0.99125128	0.7832222
A_55_P1968	5631.9	Detected	6174.6	Detected	5671.6	Detected	6153.3	Detected	Ttc4	1.092579769	1.00704913	0.99655038	0.9185372
A_55_P2140	7826.6	Detected	4867.7	Detected	8343.3	Detected	8550.1	Detected	Mis18a	1.092441162	1.06601845	1.75649691	1.7140128
A_55_P2069	13342	Detected	15171.3	Detected	12583.8	Detected	14575.1	Detected	Fxr1	1.092422425	0.94317194	0.96070212	0.8294477
A_55_P2176	9550	Detected	10996.8	Detected	8038.2	Detected	10431.4	Detected	Gm6115	1.092293194	0.84169634	0.94858504	0.7309581
A_52_P6807	139.8	Detected	174.8	Detected	62.7	Detected	152.7	Detected	Cux1	1.092274678	0.44849785	0.87356979	0.3586957
A_55_P1968	107831.1	Detected	101826.8	Detected	115055.8	Detected	117778.8	Detected	Aes	1.092252606	1.06700015	1.15665817	1.1299167
A_52_P5062	21.7	Detected	20.2	Detected	10	Not Detect	23.7	Not Detect	Olf441	1.092165899	0.46082949	1.17326733	0.4950495
A_51_P3243	21.7	Detected	28.3	Detected	75.3	Detected	23.7	Not Detect	Mfi2	1.092165899	3.47004608	0.83745583	2.6607774
A_55_P2409	1010.4	Detected	929.3	Detected	930.4	Detected	1103.5	Detected	9030624J02Rik	1.092141726	0.92082344	1.18745292	1.0011837
A_55_P2166	73.8	Detected	129.6	Detected	50.3	Detected	80.6	Detected	Timm10b	1.092140921	0.68157182	0.62191358	0.3881173
A_55_P2106	54.3	Detected	43.4	Detected	37.3	Detected	59.3	Detected	Arid4b	1.092081031	0.68692449	1.36635945	0.859447
A_55_P2043	1598.6	Detected	1750.6	Detected	2037.6	Detected	1745.8	Detected	LOC101056547	1.09208057	1.27461529	0.99725808	1.1639438
A_51_P4266	26126.9	Detected	34336.5	Detected	31143.5	Detected	28532.6	Detected	Dnrtip2	1.092077514	1.192009	0.83096996	0.9070086
A_51_P3459	28491.5	Detected	38867.7	Detected	33157.6	Detected	31113.9	Detected	Dohh	1.092041486	1.16377165	0.80050788	0.8530888
A_51_P2133	105.6	Detected	70.5	Detected	211.1	Detected	115.3	Detected	Hdac11	1.091856061	1.99905303	1.63546099	2.9943262
A_55_P1981	231.9	Detected	221.4	Detected	297.5	Detected	253.2	Detected	Tnfrsf13b	1.091849935	1.28288055	1.14363144	1.3437218
A_55_P2020	721.3	Detected	704.8	Detected	611.5	Detected	787.5	Detected	Trip11	1.091778733	0.84777485	1.11733825	0.867622
A_55_P2167	4212.7	Detected	4389.5	Detected	5456.3	Detected	4599.3	Detected	Atp5sl	1.091770124	1.2952026	1.04779588	1.2430345
A_51_P1039	18959.1	Detected	20948.5	Detected	22657.7	Detected	20696.7	Detected	Mpc2	1.09164992	1.1950831	0.98798005	1.0815906
A_55_P2081	268.5	Detected	344.9	Detected	1067.7	Detected	293.1	Detected	Dlx4	1.091620112	3.97653631	0.84981154	3.0956799
A_55_P2007	827.1	Detected	838.9	Detected	696.8	Detected	902.8	Detected	Krt16	1.091524604	0.84246161	1.07617118	0.8306115
A_52_P1403	173.8	Detected	164.2	Detected	146.3	Detected	189.7	Detected	Mtmr1	1.091484465	0.84177215	1.15529842	0.8909866
A_55_P2089	6925.6	Detected	5847.8	Detected	6457.1	Detected	7559	Detected	Synrg	1.09145778	0.93235243	1.29262287	1.104193
A_55_P2005	44413.4	Detected	41848.6	Detected	53397.8	Detected	48475.2	Detected	Gm5848	1.091454381	1.2022903	1.15834699	1.2759758
A_55_P2051	8018.5	Detected	7796.6	Detected	4603.8	Detected	8751.8	Detected	Pbx1	1.09145102	0.57414728	1.12251494	0.5904882
A_55_P2175	198	Detected	180.4	Detected	190.7	Detected	216.1	Detected	Uros	1.091414141	0.96313131	1.19789357	1.0570953
A_55_P2081	98.5	Detected	82.5	Detected	91.7	Detected	107.5	Detected	Fbxo39	1.091370558	0.93096447	1.3030303	1.1115152
A_66_P1303	76.7	Detected	59.2	Detected	57.3	Detected	83.7	Detected	4930520P13Rik	1.091264668	0.74706649	1.41385135	0.9679054
A_51_P3498	12870.2	Detected	13391.4	Detected	13829.8	Detected	14044.6	Detected	1700021F05Rik	1.091249553	1.07455984	1.04877757	1.0327374

A_55_P2349	36.2 Detected	34.5 Detected	25 Detected	39.5 Not Detect	Ptk2	1.091160221	0.69060773	1.14492754	0.7246377
A_65_P1786	156.9 Detected	189.6 Detected	139.6 Detected	171.2 Detected	Rpf1	1.091140854	0.88973869	0.90295359	0.7362869
A_55_P2133	1475.8 Detected	1010.8 Detected	1105.3 Detected	1610.3 Detected	4922501C03Rik	1.09113701	0.74894972	1.59309458	1.0934903
A_51_P4948	6647.2 Detected	8571.9 Detected	2609.7 Detected	7253 Detected	Mfhas1	1.091136117	0.3926014	0.8461368	0.3044483
A_66_P1163	9494.7 Detected	5876.6 Detected	11798.9 Detected	10358.2 Detected	Pwwp2b	1.090945475	1.24268276	1.76261784	2.0077766
A_55_P2034	80.3 Detected	79.5 Detected	78.6 Detected	87.6 Detected	Gabre	1.090909091	0.97882939	1.10188679	0.9886792
A_55_P2371	15.4 Detected	15.3 Detected	3.5 Not Detect	16.8 Not Detect	Sox2ot	1.090909091	0.22727273	1.09803922	0.2287582
A_55_P2104	93.5 Detected	101.9 Detected	103 Detected	102 Detected	Pxdn	1.090909091	1.10160428	1.00098135	1.0107949
A_51_P3594	3827.7 Detected	3476.3 Detected	5235 Detected	4175.6 Detected	Zfp1	1.090890091	1.36766204	1.20116216	1.5059115
A_66_P1230	4834.5 Detected	6504.8 Detected	5228.1 Detected	5273.9 Detected	Twistnb	1.090888406	1.08141483	0.81077051	0.8037296
A_55_P2100	22571.7 Detected	20139.7 Detected	22688.7 Detected	24623.2 Detected	Hmces	1.090888148	1.00518348	1.22262	1.1265659
A_52_P4667	122.2 Detected	127.3 Detected	128.4 Detected	133.3 Detected	Rngtt	1.090834697	1.0507365	1.04713276	1.008641
A_51_P1402	1637.2 Detected	1367 Detected	1852.6 Detected	1785.9 Detected	Ndufv3	1.0908258	1.13156609	1.30643745	1.3552304
A_55_P2275	110.2 Detected	98 Detected	122.5 Detected	120.2 Detected	Mid2	1.090744102	1.11161525	1.22653061	1.25
A_52_P6391	1965 Detected	2049.1 Detected	1812.2 Detected	2143.3 Detected	Lrrc14	1.090737913	0.92223919	1.0459714	0.8843883
A_55_P2111	25862.3 Detected	33020.7 Detected	32764.5 Detected	28207.5 Detected	Eny2	1.090680257	1.26688268	0.85423689	0.9922412
A_51_P3327	27809 Detected	26177 Detected	31857 Detected	30330.6 Detected	Clptm1	1.090675681	1.14556439	1.15867364	1.2169844
A_52_P6217	1149.9 Detected	793.4 Detected	1387.6 Detected	1254.1 Detected	Shoc2	1.090616575	1.20671363	1.58066549	1.7489287
A_55_P2044	46.4 Detected	40.4 Detected	49.2 Detected	50.6 Detected	Asb10	1.090517241	1.06034483	1.25247525	1.2178218
A_55_P2348	40.9 Detected	71.5 Detected	24.4 Detected	44.6 Not Detect	1700003116Rik	1.090464548	0.59657702	0.62377622	0.3412587
A_66_P1341	96.2 Detected	83.8 Detected	81.8 Detected	104.9 Detected	Adck1	1.09043659	0.85031185	1.25178998	0.9761337
A_66_P1113	2905 Detected	2245.7 Detected	2521.5 Detected	3167.5 Detected	Mplkip	1.090361446	0.86798623	1.41047335	1.1228125
A_55_P1979	42858 Detected	52428.5 Detected	39976.1 Detected	46730.3 Detected	Prdx2	1.09035186	0.93275701	0.89131484	0.762488
A_52_P4271	294.7 Detected	424.1 Detected	253.2 Detected	321.3 Detected	Zfp202	1.090261283	0.85917883	0.75760434	0.597029
A_55_P2047	4255.9 Detected	4101.7 Detected	4655.9 Detected	4640 Detected	Sifn5	1.090251181	1.09398717	1.13123827	1.1351147
A_55_P2117	12018.1 Detected	15820.6 Detected	14857.3 Detected	13101.9 Detected	Pa2g4	1.090180644	1.23624367	0.82815443	0.939111
A_55_P2160	2330.4 Detected	2058.7 Detected	2751 Detected	2540.5 Detected	Anapc15	1.090156196	1.18048404	1.23403118	1.3362802
A_66_P1131	46.6 Detected	53 Detected	46.7 Detected	50.8 Not Detect	Gm9878	1.090128755	1.00214592	0.95849057	0.8811321
A_55_P1952	68.8 Detected	64.9 Detected	39.5 Detected	75 Detected	Sh3rf1	1.090116279	0.57412791	1.15562404	0.6086287
A_52_P5044	7306.9 Detected	6139 Detected	6505.1 Detected	7964.7 Detected	Adprh	1.090024497	0.8902681	1.29739371	1.0596351
A_52_P5444	58.9 Detected	56.7 Detected	51.1 Detected	64.2 Detected	Terc	1.089983022	0.86757216	1.13227513	0.9012346
A_51_P2880	1794.8 Detected	2052.3 Detected	1788 Detected	1956.3 Detected	Haus6	1.089982171	0.99621128	0.95322321	0.8712177
A_51_P4231	9329.5 Detected	10094.2 Detected	9936.8 Detected	10168.7 Detected	Gba	1.08995123	1.06509459	1.00738048	0.9844069
A_55_P2093	1850.1 Detected	1640.3 Detected	2072.7 Detected	2016.5 Detected	Rnf121	1.089941084	1.12031782	1.22934829	1.2636103
A_55_P2230	104807.9 Detected	98785.7 Detected	115160.5 Detected	114229.3 Detected	4931402H11Rik	1.089892079	1.09877691	1.15633437	1.1657608
A_55_P2225	8.9 Not Detect	18.7 Detected	18.2 Detected	9.7 Not Detect	1700007J10Rik	1.08988764	2.04494382	0.51871658	0.973262
A_55_P2280	4979.1 Detected	4669.8 Detected	4181.3 Detected	5426.5 Detected	4930570B17Rik	1.089855596	0.83977024	1.1620412	0.8953917
A_52_P6716	517.7 Detected	475.6 Detected	415.1 Detected	564.2 Detected	Trim45	1.089820359	0.80181572	1.186291	0.8727923
A_55_P1976	33.4 Detected	51.3 Detected	56.8 Detected	36.4 Not Detect	Gm15753	1.089820359	1.7005988	0.70955166	1.1072125
A_51_P1148	5888.7 Detected	5740.7 Detected	7053 Detected	6417.5 Detected	Clns1a	1.089799107	1.19771766	1.11789503	1.2285958

A_55_P2006	93.6	Detected	82.5	Detected	106.8	Detected	102	Detected	Krtap9-1	1.08974359	1.14102564	1.23636364	1.2945455
A_51_P2439	14079.6	Detected	11713.4	Detected	15177.9	Detected	15343.1	Detected	Skap2	1.089739765	1.07800648	1.30987587	1.2957724
A_65_P0903	8797.7	Detected	4858.9	Detected	7043.8	Detected	9587.2	Detected	Rab43	1.089739364	0.80064108	1.97312149	1.4496697
A_66_P1064	28379	Detected	37879.3	Detected	34768.2	Detected	30924.6	Detected	Cct3	1.08970013	1.22513831	0.8163984	0.9178681
A_55_P2091	48037.9	Detected	61395.4	Detected	43572.1	Detected	52339.7	Detected	Lamp3	1.089550126	0.9070359	0.85250198	0.7096965
A_51_P2005	5194.3	Detected	3150	Detected	2766.3	Detected	5659	Detected	4930506M07Rik	1.08946345	0.53256454	1.79650794	0.8781905
A_55_P2183	10551.6	Detected	10381.3	Detected	10631.5	Detected	11495.1	Detected	Snx11	1.089417719	1.00757231	1.10728907	1.024101
A_52_P1683	455.2	Detected	417.9	Detected	498.1	Detected	495.9	Detected	Fundc2	1.089411248	1.09424429	1.18664752	1.1919119
A_55_P2148	7170.6	Detected	8232.2	Detected	5177.6	Detected	7811.3	Detected	6820431F20Rik	1.089350961	0.72205952	0.9488715	0.6289449
A_55_P2168	778.4	Detected	734	Detected	789.7	Detected	847.9	Detected	Cdk9	1.089285714	1.01451696	1.15517711	1.0758856
A_55_P2125	23404.2	Detected	18578	Detected	25383	Detected	25492.8	Detected	Mrps36	1.089240393	1.08454893	1.37220368	1.3662935
A_55_P2028	53318.4	Detected	49049.4	Detected	61325.8	Detected	58075	Detected	Incenp	1.089211229	1.1501808	1.18401041	1.2502864
A_55_P2008	14.6	Not Detect	23.7	Detected	15.8	Not Detect	15.9	Not Detect	Fcgr1	1.089041096	1.08219178	0.67088608	0.6666667
A_51_P2710	67.4	Detected	62.4	Detected	41.6	Detected	73.4	Detected	Klf17	1.089020772	0.61721068	1.17628205	0.6666667
A_55_P2140	2405.6	Detected	2191.8	Detected	2783.3	Detected	2619.6	Detected	Arfp2	1.088959095	1.15700865	1.19518204	1.2698695
A_55_P2009	3584.2	Detected	2933.6	Detected	3949.7	Detected	3903	Detected	Ptbp3	1.088945929	1.10197534	1.33044723	1.3463662
A_52_P5518	58.5	Detected	82.9	Detected	85.9	Detected	63.7	Detected	Rnft1	1.088888889	1.46837607	0.76839566	1.0361882
A_52_P6337	174.4	Detected	171.3	Detected	142	Detected	189.9	Detected	Apc	1.088876147	0.81422018	1.10858144	0.828955
A_55_P2043	82004.1	Detected	57750.2	Detected	87421.8	Detected	89289.8	Detected	Bag1	1.088845558	1.06606621	1.54613837	1.5137922
A_55_P2060	44128.9	Detected	40135.4	Detected	49803.8	Detected	48049.2	Detected	Gm12657	1.088837474	1.12859827	1.19717755	1.2408946
A_55_P2061	3361.5	Detected	3380.7	Detected	2945.8	Detected	3660	Detected	Nfyc	1.088799643	0.87633497	1.08261603	0.871358
A_55_P2038	3495.3	Detected	3235.7	Detected	3888.2	Detected	3805.6	Detected	Acot8	1.088776357	1.11240809	1.17612881	1.2016565
A_55_P2133	251.2	Detected	187.7	Detected	195.4	Detected	273.5	Detected	4922501C03Rik	1.088773885	0.77786624	1.45711241	1.0410229
A_55_P2015	1842	Detected	2155.3	Detected	1876	Detected	2005.5	Detected	Alg11	1.088762215	1.0184582	0.93049691	0.8704125
A_52_P4704	1221.7	Detected	848.6	Detected	1613	Detected	1330.1	Detected	Tmem186	1.08872882	1.3202914	1.56740514	1.9007778
A_52_P3909	1606.2	Detected	1231.1	Detected	1613.4	Detected	1748.7	Detected	Trip4	1.088718715	1.00448263	1.42043701	1.3105353
A_55_P1998	2469.1	Detected	2197.4	Detected	2195.6	Detected	2688.1	Detected	Rab28	1.088696286	0.88923089	1.22330937	0.9991809
A_66_P1340	57.5	Detected	124.4	Detected	72.8	Detected	62.6	Detected	Trpm3	1.088695652	1.26608696	0.50321543	0.585209
A_51_P5120	27522.3	Detected	26769.6	Detected	25126.9	Detected	29962.2	Detected	Rer1	1.088651748	0.91296512	1.11926215	0.9386356
A_51_P4946	4162.6	Detected	4368.8	Detected	5501.2	Detected	4531.6	Detected	Sumf1	1.088646519	1.32157786	1.03726424	1.2592016
A_55_P2132	5851	Detected	5609.8	Detected	5611.9	Detected	6369.5	Detected	Pkn1	1.08861733	0.95913519	1.13542372	1.0003743
A_51_P4107	15.8	Detected	13.6	Not Detect	16.4	Not Detect	17.2	Not Detect	Rhcg	1.088607595	1.03797468	1.26470588	1.2058824
A_52_P3756	4835.8	Detected	5422.5	Detected	4496	Detected	5264.1	Detected	Gtpbp1	1.088568593	0.92973241	0.97078838	0.8291379
A_55_P2047	4554.1	Detected	4893.4	Detected	4923.7	Detected	4957.3	Detected	Krtap4-8	1.088535605	1.08115764	1.01305841	1.006192
A_55_P2143	41.8	Detected	26.4	Detected	34	Detected	45.5	Not Detect	Ass1	1.088516746	0.81339713	1.72348485	1.2878788
A_51_P2070	14.7	Detected	13.3	Not Detect	7.4	Not Detect	16	Not Detect	Vmn1r227	1.088435374	0.50340136	1.20300752	0.556391
A_52_P3703	29.4	Detected	37.8	Detected	26.2	Detected	32	Not Detect	Mapk8ip2	1.088435374	0.89115646	0.84656085	0.6931217
A_55_P2020	2072.3	Detected	1711.4	Detected	1771.1	Detected	2255.5	Detected	Rufy2	1.088404189	0.85465425	1.31792684	1.0348837
A_51_P4070	15145.4	Detected	18721.7	Detected	18963.2	Detected	16484.3	Detected	Tspan31	1.088403079	1.25207654	0.88049162	1.0128995
A_55_P2159	5051.4	Detected	8310.8	Detected	5693.1	Detected	5497.1	Detected	2810025M15Rik	1.088232965	1.12703409	0.66144054	0.6850243

A_55_P2148	12733.3	Detected	9646.5	Detected	10538.1	Detected	13856.7	Detected	Cltb	1.088225362	0.82760164	1.43644845	1.0924273
A_52_P2293	8611.9	Detected	7889.6	Detected	7663.4	Detected	9371.6	Detected	Rptor	1.088215144	0.8898617	1.18784222	0.9713293
A_51_P1951	4559.4	Detected	4665	Detected	4918.4	Detected	4961.6	Detected	Gtse1	1.088213361	1.07873843	1.06357985	1.0543194
A_66_P1212	1185.2	Detected	1246.1	Detected	1029.9	Detected	1289.7	Detected	Ddi2	1.088170773	0.86896726	1.03498917	0.8264987
A_55_P1985	1975.2	Detected	2084.7	Detected	1871	Detected	2149.3	Detected	Exosc3	1.088142973	0.94724585	1.03098767	0.8974912
A_55_P2031	870.4	Detected	644.1	Detected	797.1	Detected	947.1	Detected	2210008F06Rik	1.088120404	0.91578585	1.47042385	1.2375408
A_55_P2107	2167.9	Detected	2225.6	Detected	1981.3	Detected	2358.9	Detected	Trove2	1.088103695	0.91392592	1.05989396	0.8902318
A_52_P5485	2786.7	Detected	1716.9	Detected	3088.5	Detected	3032.2	Detected	Ubald1	1.088097032	1.10830014	1.76609005	1.7988817
A_55_P2148	87.6	Detected	91	Detected	73	Detected	95.3	Detected	Gm10572	1.087899543	0.83333333	1.04725275	0.8021978
A_51_P2281	3298.1	Detected	3891.5	Detected	2709.8	Detected	3588	Detected	Cenpp	1.087899093	0.82162457	0.92200951	0.6963382
A_55_P2006	10401.2	Detected	8608.6	Detected	10141	Detected	11315.4	Detected	Mfsd12	1.087893705	0.97498366	1.31442976	1.178008
A_55_P2083	48945.5	Detected	34318.1	Detected	48249.8	Detected	53246.8	Detected	Wbp2	1.087879376	0.98578623	1.55156608	1.4059578
A_55_P2121	113.8	Detected	112.6	Detected	104.1	Detected	123.8	Detected	E530001K10Rik	1.087873462	0.91476274	1.09946714	0.9245115
A_66_P1361	2619.9	Detected	2107.1	Detected	2505.7	Detected	2850.1	Detected	Wee1	1.087865949	0.95641055	1.35261734	1.1891699
A_55_P2054	253.9	Detected	213.3	Detected	252.8	Detected	276.2	Detected	Sh3bgrl2	1.087829854	0.99566759	1.29488983	1.1851852
A_55_P2065	37161.2	Detected	34328.8	Detected	42987.5	Detected	40423.5	Detected	H3f3a	1.0877878	1.1567845	1.17753898	1.2522284
A_55_P2121	1144	Detected	814.5	Detected	1475.3	Detected	1244.4	Detected	Vars2	1.087762238	1.2895979	1.52780847	1.8112953
A_55_P2142	141.4	Detected	109.3	Detected	149.2	Detected	153.8	Detected	Hcrt	1.087694484	1.05516266	1.40713632	1.3650503
A_66_P1385	3580	Detected	3659.6	Detected	3254.2	Detected	3893.7	Detected	Mnd1	1.087625698	0.90899441	1.06396874	0.8892229
A_55_P2072	1636	Detected	1931.2	Detected	1938.4	Detected	1779.3	Detected	Acp1	1.087591687	1.18484108	0.92134424	1.0037283
A_55_P1971	3186.4	Detected	2717.9	Detected	3235.1	Detected	3465.5	Detected	Acox3	1.087591012	1.01528371	1.27506531	1.190294
A_55_P2034	449201.2	Detected	451169.5	Detected	440447.2	Detected	488543.8	Detected	Exosc2	1.08758347	0.98051207	1.08283871	0.9762344
A_55_P2153	98.2	Detected	78.9	Detected	82.1	Detected	106.8	Detected	Plagl1	1.087576375	0.83604888	1.35361217	1.0405577
A_51_P4952	57.1	Detected	63.1	Detected	75.4	Detected	62.1	Detected	Lat	1.087565674	1.32049037	0.98415214	1.1949287
A_55_P2089	4752.6	Detected	5302.1	Detected	5325.6	Detected	5168.6	Detected	Adk	1.087531036	1.12056559	0.9748213	1.0044322
A_55_P2158	12229.2	Detected	17023.5	Detected	10700.2	Detected	13298.2	Detected	Ppid	1.087413731	0.87497138	0.78116721	0.6285546
A_52_P3550	20551.6	Detected	22832.8	Detected	22820.8	Detected	22347.9	Detected	Rbm8a	1.087404387	1.11041476	0.97876301	0.9994744
A_51_P1610	904.4	Detected	663.7	Detected	621.4	Detected	983.4	Detected	Ifit2	1.08735073	0.68708536	1.48169354	0.9362664
A_51_P5011	1386.2	Detected	1331.1	Detected	1491.5	Detected	1507.2	Detected	Cul5	1.087288991	1.07596306	1.1322966	1.1205018
A_51_P2172	127.2	Detected	120.1	Detected	137	Detected	138.3	Detected	Lemd3	1.087264151	1.07704403	1.15154038	1.1407161
A_51_P2309	60414.9	Detected	52440.4	Detected	48574.5	Detected	65685.6	Detected	Cdc42	1.087241723	0.80401523	1.25257626	0.9262801
A_51_P4040	5970	Detected	6057.4	Detected	5917	Detected	6490.5	Detected	Psmb2	1.08718593	0.99112228	1.07149932	0.9768217
A_52_P5025	40.2	Detected	26.5	Detected	56.2	Detected	43.7	Not Detect	S1pr3	1.087064677	1.39800995	1.6490566	2.1207547
A_55_P2271	294.4	Detected	249.6	Detected	205.4	Detected	320	Detected	C230037L09	1.086956522	0.69769022	1.28205128	0.8229167
A_52_P3072	9.2	Not Detect	19.4	Detected	21.7	Detected	10	Not Detect	Abca17	1.086956522	2.35869565	0.51546392	1.1185567
A_55_P2168	306	Detected	432.5	Detected	324.7	Detected	332.6	Detected	Nudcd1	1.086928105	1.06111111	0.76901734	0.7507514
A_52_P5989	589.1	Detected	585.3	Detected	507.7	Detected	640.3	Detected	Erc1	1.086912239	0.86182312	1.0939689	0.8674184
A_55_P2452	3462.2	Detected	3460.8	Detected	2703.5	Detected	3763.1	Detected	Gls	1.086910057	0.78086188	1.08734975	0.7811778
A_51_P3532	118.8	Detected	117.9	Detected	122.1	Detected	129.1	Detected	Tnnc2	1.086700337	1.02777778	1.09499576	1.0356234
A_51_P2996	3963.1	Detected	2005.2	Detected	1136.2	Detected	4306.4	Detected	Spef1	1.086624107	0.28669476	2.1476162	0.5666268

A_55_P2031	895.7	Detected	854.6	Detected	745.3	Detected	973.2	Detected	Ube2l6	1.086524506	0.83208664	1.13877838	0.8721039
A_51_P1737	7583.2	Detected	5503.3	Detected	7966.9	Detected	8239.1	Detected	Dock11	1.086493828	1.05059869	1.49711991	1.4476587
A_51_P1725	14866.8	Detected	11036.1	Detected	18955	Detected	16152.1	Detected	Nit1	1.086454382	1.27498857	1.46356956	1.7175451
A_51_P1081	11749.6	Detected	11229.3	Detected	11249.2	Detected	12765.3	Detected	Rpl23	1.086445496	0.95741132	1.13678502	1.0017721
A_52_P7336	15981	Detected	16696.2	Detected	14271.1	Detected	17362.1	Detected	Hnrnpu	1.086421375	0.89300419	1.03988333	0.8547514
A_55_P1970	1425.6	Detected	1857.7	Detected	1251	Detected	1548.8	Detected	Sh3yl1	1.086419753	0.87752525	0.83371912	0.6734134
A_51_P3479	19373.3	Detected	17956.7	Detected	19791.3	Detected	21047.4	Detected	Npc2	1.086412743	1.02157609	1.1721196	1.102168
A_55_P2147	9905.6	Detected	7981.2	Detected	13786.2	Detected	10761.4	Detected	Mkl1	1.086395574	1.3917582	1.34834361	1.7273342
A_55_P2070	8437.8	Detected	7562.4	Detected	8932.3	Detected	9166.4	Detected	Preb	1.086349522	1.05860532	1.21210198	1.1811462
A_55_P2328	160	Detected	66.9	Detected	40.1	Detected	173.8	Detected	6030451C04Rik	1.08625	0.250625	2.59790732	0.5994021
A_52_P6767	1827.4	Detected	1562.2	Detected	1774.7	Detected	1984.8	Detected	Gigyf1	1.086133304	0.97116121	1.27051594	1.1360261
A_55_P2088	8108.9	Detected	7675	Detected	6124.2	Detected	8806.9	Detected	Golga3	1.08607826	0.75524424	1.14747883	0.7979414
A_51_P3863	2816.2	Detected	3982	Detected	2999.4	Detected	3058.6	Detected	Actr6	1.086073432	1.0650522	0.76810648	0.7532396
A_55_P1954	13202.3	Detected	10387.7	Detected	14373.2	Detected	14338.1	Detected	Fbxw5	1.086030464	1.08868909	1.38029593	1.3836749
A_66_P1345	80.3	Detected	64	Detected	57.4	Detected	87.2	Detected	A430110L20Rik	1.085927771	0.71481943	1.3625	0.896875
A_55_P2184	18049.3	Detected	21217.6	Detected	22760.9	Detected	19600.1	Detected	Timm23	1.08592023	1.26104059	0.92376612	1.0727368
A_51_P3957	1480.8	Detected	1234.2	Detected	1742.6	Detected	1608	Detected	Spopl	1.085899514	1.17679633	1.30286825	1.4119268
A_55_P2167	1766.2	Detected	1814.5	Detected	1077.3	Detected	1917.9	Detected	6330416G13Rik	1.085890613	0.60995357	1.0569854	0.5937173
A_55_P2171	81.5	Detected	83.2	Detected	61.3	Detected	88.5	Detected	Notch1	1.085889571	0.75214724	1.06370192	0.7367788
A_55_P1994	238.7	Detected	222.7	Detected	247.5	Detected	259.2	Detected	Gm10697	1.08588186	1.03686636	1.16389762	1.1113606
A_66_P1351	2983.2	Detected	3889.8	Detected	2619.2	Detected	3239.4	Detected	Yrdc	1.085880933	0.87798337	0.83279346	0.6733508
A_55_P1960	751.1	Detected	893	Detected	829.8	Detected	815.6	Detected	Trmt5	1.085874051	1.10477966	0.91332587	0.9292273
A_52_P2886	2761.5	Detected	3071.2	Detected	2467.1	Detected	2998.5	Detected	Rars	1.085822922	0.89339127	0.97632847	0.8033016
A_51_P2020	37538.4	Detected	35587	Detected	38143.3	Detected	40758.5	Detected	Ncapd2	1.085781493	1.01611417	1.14531992	1.0718324
A_51_P2580	70579.2	Detected	102601.6	Detected	82771.2	Detected	76629.7	Detected	Nop2	1.08572639	1.17274211	0.74686652	0.8067243
A_51_P4513	1197	Detected	925.5	Detected	722.3	Detected	1299.6	Detected	Jag2	1.085714286	0.60342523	1.40421394	0.780443
A_51_P1755	23216.7	Detected	25542.8	Detected	29245	Detected	25205.7	Detected	Pelo	1.08567109	1.25965361	0.98680254	1.144941
A_55_P2150	3891.7	Detected	5062.5	Detected	3419.8	Detected	4224.7	Detected	Zfp593	1.085566719	0.87874194	0.83450864	0.675516
A_55_P1988	37.4	Detected	24.4	Detected	23	Detected	40.6	Not Detect	Cdkal1	1.085561497	0.61497326	1.66393443	0.942623
A_55_P1959	2237	Detected	2164.2	Detected	6791.2	Detected	2428.4	Detected	Slc35g1	1.085561019	3.03585159	1.12207744	3.1379725
A_55_P2152	108936.6	Detected	107739.8	Detected	114474.5	Detected	118251.4	Detected	Atp5h	1.085506616	1.05083599	1.09756469	1.0625089
A_51_P2646	62	Detected	50.4	Detected	73.6	Detected	67.3	Detected	Strbp	1.085483871	1.18709677	1.33531746	1.4603175
A_55_P2087	2890.2	Detected	2876.3	Detected	2605.1	Detected	3137.2	Detected	Olfcr373	1.085461214	0.90135631	1.09070681	0.9057122
A_55_P2003	510.3	Detected	447.5	Detected	463.5	Detected	553.9	Detected	Tpx2	1.085439937	0.90828924	1.23776536	1.0357542
A_55_P2024	3368.8	Detected	3835.5	Detected	3725.9	Detected	3656.6	Detected	Eral1	1.085431014	1.10600214	0.9533568	0.9714248
A_51_P3621	2065	Detected	2105.3	Detected	1953.6	Detected	2241.4	Detected	Ubqln4	1.085423729	0.94605327	1.06464637	0.9279438
A_55_P2100	28.1	Detected	24.9	Detected	23.4	Detected	30.5	Not Detect	Defb30	1.085409253	0.83274021	1.2248996	0.939759
A_55_P2175	16.4	Detected	22	Detected	15.3	Not Detect	17.8	Not Detect	Mettl13	1.085365854	0.93292683	0.80909091	0.6954545
A_55_P2391	8.2	Not Detect	18.3	Detected	15.5	Not Detect	8.9	Not Detect	Gm12108	1.085365854	1.8902439	0.4863388	0.8469945
A_51_P2979	3214.5	Detected	3690.2	Detected	2958.2	Detected	3488.9	Detected	Pdia6	1.085363198	0.92026754	0.94545011	0.8016368

A_55_P2025	119.5	Detected	87.2	Detected	126.1	Detected	129.7	Detected	LOC101056205	1.085355649	1.05523013	1.48738532	1.4461009
A_52_P1395	2174.5	Detected	1834.3	Detected	1865.7	Detected	2359.8	Detected	Edem3	1.085214992	0.85799034	1.28648531	1.0171182
A_51_P3754	487.3	Detected	458.9	Detected	464.9	Detected	528.8	Detected	Phip	1.085163144	0.95403242	1.15232077	1.0130747
A_55_P1958	3006.6	Detected	2993.6	Detected	2401.8	Detected	3262.5	Detected	Prpsap2	1.085112752	0.79884255	1.08982496	0.8023116
A_55_P2129	23.5	Detected	21.5	Detected	9.9	Not Detect	25.5	Not Detect	1700084C01Rik	1.085106383	0.4212766	1.18604651	0.4604651
A_55_P2062	20619.6	Detected	21722.7	Detected	19232.3	Detected	22373.1	Detected	Ttf2	1.085040447	0.93271935	1.02994103	0.885355
A_55_P1972	14885.8	Detected	12612.6	Detected	15960.6	Detected	16151.5	Detected	Cab39	1.085027341	1.07220304	1.28058449	1.2654488
A_52_P3583	30658.8	Detected	36898.3	Detected	33936.9	Detected	33264.7	Detected	Mtdh	1.084996804	1.10692199	0.90152392	0.9197416
A_55_P2029	419.3	Detected	269.8	Detected	518.5	Detected	454.9	Detected	Dopey2	1.08490341	1.23658478	1.68606375	1.9217939
A_51_P4419	561.9	Detected	440	Detected	669.8	Detected	609.6	Detected	Itga2	1.08489055	1.19202705	1.38545455	1.5222727
A_51_P4625	528	Detected	414.3	Detected	616.7	Detected	572.8	Detected	Senp7	1.084848485	1.16799242	1.38257301	1.4885349
A_51_P4758	16418.4	Detected	15185.4	Detected	12937.7	Detected	17809.8	Detected	Lrwd1	1.084746382	0.78800005	1.1728239	0.8519828
A_66_P1339	33884.5	Detected	28242.6	Detected	34556.5	Detected	36755.9	Detected	Fundc2	1.084740811	1.01983208	1.30143471	1.2235594
A_51_P1190	1538.2	Detected	2056	Detected	1750.7	Detected	1668.4	Detected	Naa30	1.08464439	1.13814849	0.8114786	0.8515078
A_51_P1971	2269.7	Detected	2474.7	Detected	2931.1	Detected	2461.8	Detected	Pigk	1.084636736	1.29140415	0.99478725	1.1844264
A_55_P2156	32566.9	Detected	31803	Detected	33876.3	Detected	35322	Detected	1810022K09Rik	1.084598166	1.04020647	1.11064994	1.065192
A_55_P2058	206909.4	Detected	207925.4	Detected	247013.8	Detected	224411.8	Detected	Rpl13a	1.08458968	1.1938259	1.07928998	1.1879924
A_55_P2043	1884.3	Detected	1988.7	Detected	1731.2	Detected	2043.6	Detected	Cdc42se1	1.084540678	0.91874967	1.02760597	0.8705184
A_52_P6446	7816.9	Detected	7164.9	Detected	7285.9	Detected	8477.5	Detected	Trappc6b	1.084509204	0.93207026	1.18319865	1.0168879
A_52_P2608	321.9	Detected	298.9	Detected	273.1	Detected	349.1	Detected	Zfp397	1.084498291	0.84840012	1.16794915	0.9136835
A_55_P2130	14566.6	Detected	11983	Detected	20633.4	Detected	15796.9	Detected	Parl	1.084460341	1.41648703	1.31827589	1.7218893
A_66_P1154	1480.9	Detected	906.3	Detected	1568.2	Detected	1605.9	Detected	Snx4	1.08440813	1.05895064	1.77192982	1.7303321
A_55_P2170	679	Detected	661.2	Detected	648.6	Detected	736.3	Detected	Sh3bgrl2	1.084388807	0.95522828	1.11358137	0.9809437
A_55_P2164	368931.2	Detected	432167.1	Detected	399376.9	Detected	400057	Detected	Tpt1	1.084367492	1.08252406	0.9256998	0.9241261
A_51_P1928	335305.3	Detected	350256.6	Detected	356956.5	Detected	363592.8	Detected	Hint1	1.084363414	1.0645716	1.03807551	1.0191285
A_55_P2053	346.2	Detected	334.3	Detected	351.3	Detected	375.4	Detected	Rgs21	1.08434431	1.01473137	1.12294346	1.0508525
A_51_P1140	91804.2	Detected	86871.3	Detected	106791.1	Detected	99546.9	Detected	Tmem109	1.084339279	1.16324852	1.1459124	1.2293024
A_55_P2017	646.6	Detected	654.4	Detected	703.3	Detected	701.1	Detected	Nfyb	1.08428704	1.08768945	1.07136308	1.0747249
A_51_P1823	43.9	Detected	61.3	Detected	47.2	Detected	47.6	Detected	Col1a2	1.08428246	1.07517084	0.77650897	0.7699837
A_66_P1309	47.5	Detected	52.4	Detected	63.7	Detected	51.5	Detected	H2-Ob	1.084210526	1.34105263	0.98282443	1.2156489
A_51_P2830	9.5	Not Detect	19.7	Detected	62.8	Detected	10.3	Not Detect	Tinag	1.084210526	6.61052632	0.52284264	3.1878173
A_52_P1026	925.1	Detected	1676.1	Detected	946.2	Detected	1002.9	Detected	Trmt1	1.084099016	1.02280835	0.59835332	0.5645248
A_55_P2365	89.2	Detected	81.3	Detected	84	Detected	96.7	Detected	Foxj2	1.084080717	0.94170404	1.18942189	1.0332103
A_55_P2172	78.5	Detected	40.7	Detected	44.1	Detected	85.1	Detected	Mettl7a1	1.084076433	0.56178344	2.09090909	1.0835381
A_55_P2038	103.5	Detected	105.1	Detected	95.2	Detected	112.2	Detected	Tmco3	1.084057971	0.91980676	1.06755471	0.905804
A_52_P2744	127.4	Detected	133.1	Detected	125.6	Detected	138.1	Detected	Atf7	1.083987441	0.98587127	1.03756574	0.9436514
A_52_P5248	9130.7	Detected	7992.3	Detected	7848.5	Detected	9897.3	Detected	Eif3a	1.083958514	0.85957265	1.23835442	0.9820077
A_51_P1099	34647.2	Detected	28910.1	Detected	40946.2	Detected	37555.8	Detected	Apoa1bp	1.083949064	1.18180401	1.29905466	1.4163285
A_55_P2002	9176.3	Detected	8223.7	Detected	10489.6	Detected	9946.4	Detected	Sec11a	1.083922714	1.14311869	1.20947992	1.2755329
A_55_P1990	23821.8	Detected	22778.9	Detected	25458.3	Detected	25820.5	Detected	Snrnp70	1.08390214	1.06869758	1.13352708	1.1176264

A_55_P2039	11777.4	Detected	14449	Detected	13091.8	Detected	12764	Detected	Cmss1	1.083770612	1.11160358	0.88338293	0.9060696
A_55_P2147	121748.6	Detected	109427.4	Detected	118953.1	Detected	131946.9	Detected	Prdx1	1.083765234	0.97703875	1.20579398	1.0870504
A_66_P1150	42596.7	Detected	39887.6	Detected	40535.9	Detected	46164	Detected	Anp32b	1.083745924	0.95162067	1.15735216	1.0162532
A_65_P1299	1719.5	Detected	1848.6	Detected	1178.2	Detected	1863.5	Detected	Kif1b	1.083745275	0.68519919	1.00806015	0.6373472
A_55_P1964	443139.2	Detected	450615.7	Detected	434379.8	Detected	480222.2	Detected	Kctd14	1.083682509	0.9802333	1.06570233	0.9639695
A_55_P2005	11264.6	Detected	9674.2	Detected	13210.2	Detected	12206.9	Detected	Plcx1	1.083651439	1.17271807	1.26179943	1.3655083
A_55_P2097	1035.6	Detected	1352.9	Detected	1325.7	Detected	1122.2	Detected	L2hgdh	1.08362302	1.28012746	0.82947742	0.979895
A_55_P2089	65.8	Detected	38.8	Detected	55.5	Detected	71.3	Detected	Slc23a2	1.083586626	0.84346505	1.83762887	1.4304124
A_55_P1964	257.3	Detected	165	Detected	282.4	Detected	278.8	Detected	Map1b	1.083560047	1.0975515	1.68969697	1.7115152
A_55_P2089	6680.3	Detected	6212	Detected	7184.7	Detected	7238.5	Detected	Wfdc13	1.083559122	1.07550559	1.16524469	1.156584
A_52_P4136	1563.4	Detected	1538	Detected	1260	Detected	1694	Detected	Usp22	1.083535883	0.80593578	1.10143043	0.8192458
A_55_P2079	21659.3	Detected	23603.7	Detected	20894	Detected	23468.6	Detected	Ptges3	1.083534556	0.96466645	0.99427632	0.8852002
A_51_P2605	38514.3	Detected	41744.6	Detected	36437.2	Detected	41729.6	Detected	Polr1d	1.083483278	0.94606938	0.99964067	0.8728602
A_55_P2061	140192.1	Detected	126046.4	Detected	165202.7	Detected	151888.2	Detected	Rpl29	1.083429095	1.17840235	1.20501815	1.3106499
A_52_P5585	2870.4	Detected	2227.5	Detected	2639.9	Detected	3109.4	Detected	Zfp263	1.083263657	0.9196976	1.3959147	1.1851403
A_55_P2059	12752.4	Detected	10441.9	Detected	9830.4	Detected	13814.2	Detected	Mapk8ip3	1.083262758	0.77086666	1.32295847	0.9414379
A_51_P2345	497.7	Detected	364.3	Detected	417.2	Detected	539.1	Detected	Nfxl1	1.08318264	0.83825598	1.47982432	1.14521
A_55_P2008	2439.8	Detected	2155	Detected	1941.2	Detected	2642.7	Detected	Ppp1r14c	1.083162554	0.79563899	1.2263109	0.9007889
A_55_P2126	778	Detected	506.2	Detected	740.3	Detected	842.7	Detected	Tmem25	1.083161954	0.95154242	1.66475701	1.4624654
A_51_P4337	33007.2	Detected	22406.3	Detected	30698	Detected	35751.1	Detected	Nucb1	1.083130347	0.93003951	1.59558249	1.3700611
A_55_P2002	2065.3	Detected	1923.8	Detected	2306.6	Detected	2236.9	Detected	4932422M17Rik	1.083087203	1.11683533	1.16275081	1.1989812
A_51_P1549	2559.4	Detected	2930.7	Detected	3945.5	Detected	2771.9	Detected	Brms1	1.083027272	1.54157224	0.94581499	1.3462654
A_51_P1972	92988.4	Detected	95822.7	Detected	108321.7	Detected	100708.5	Detected	Cct7	1.083022183	1.16489476	1.05098792	1.1304388
A_55_P2219	263.9	Detected	261.6	Detected	144.9	Detected	285.8	Detected	Usp43	1.08298598	0.54907162	1.09250765	0.5538991
A_55_P2081	1058.3	Detected	1114.1	Detected	1059.7	Detected	1146	Detected	Zfp53	1.082868752	1.00132288	1.02863298	0.9511713
A_55_P2027	148.5	Detected	192.3	Detected	148.5	Detected	160.8	Detected	Prdm1	1.082828283	1	0.83619345	0.7722309
A_52_P2397	1766.4	Detected	1747.1	Detected	1847.3	Detected	1912.6	Detected	Nfyb	1.08276721	1.04579937	1.09472841	1.0573522
A_55_P2133	201.8	Detected	189.7	Detected	173.8	Detected	218.5	Detected	D930015E06Rik	1.082755203	0.86124876	1.15181866	0.9161834
A_55_P2033	19862.8	Detected	23321.6	Detected	25442.2	Detected	21504.5	Detected	Dhrs7b	1.082651993	1.28089695	0.92208511	1.0909286
A_55_P1970	10410	Detected	6366.1	Detected	10457.1	Detected	11269.8	Detected	Zer1	1.08259366	1.0045245	1.77028322	1.6426226
A_55_P2184	246666.6	Detected	273728.4	Detected	268869.5	Detected	267038.4	Detected	Rps26	1.082588401	1.09001178	0.97555972	0.9822492
A_52_P2558	4477	Detected	4066.3	Detected	5316.8	Detected	4846.6	Detected	Dbr1	1.082555283	1.18758097	1.19189435	1.3075277
A_51_P1455	2281.6	Detected	2527.8	Detected	3609.3	Detected	2469.9	Detected	Sigirr	1.082529804	1.5819162	0.97709471	1.4278424
A_66_P1065	55597.2	Detected	62936.4	Detected	68252.4	Detected	60185.6	Detected	2010107E04Rik	1.082529336	1.22762297	0.95629238	1.0844662
A_55_P1971	65772.3	Detected	36079.8	Detected	95210.2	Detected	71200.4	Detected	Sh3glb2	1.082528663	1.44757291	1.97341449	2.6388783
A_55_P2186	900.8	Detected	864.6	Detected	729.9	Detected	975.1	Detected	Bard1	1.082482238	0.81027975	1.12780477	0.8442054
A_55_P2101	11640	Detected	12108.7	Detected	12399.9	Detected	12599.7	Detected	Aftph	1.082448454	1.06528351	1.04054936	1.0240488
A_55_P1960	60465.8	Detected	61741.5	Detected	45999	Detected	65450.2	Detected	Larp1	1.082433376	0.76074409	1.06006819	0.7450256
A_55_P2094	78.9	Detected	73.7	Detected	54.7	Detected	85.4	Detected	Gm14137	1.082382763	0.69328264	1.1587517	0.7421981
A_55_P1957	2859.6	Detected	3187.8	Detected	3604.6	Detected	3095.1	Detected	Ino80b	1.082354175	1.26052595	0.97092038	1.1307485

A_51_P4776	144.5	Detected	139	Detected	123.9	Detected	156.4	Detected	Pitx3	1.082352941	0.85743945	1.12517986	0.8913669
A_55_P1959	6450.4	Detected	5730	Detected	6942	Detected	6981.5	Detected	Oas1b	1.082335979	1.07621233	1.21841187	1.2115183
A_52_P1593	1012.7	Detected	1373.6	Detected	845.8	Detected	1096	Detected	Wdr70	1.082255357	0.83519305	0.79790332	0.6157542
A_55_P2049	21696.8	Detected	20645.4	Detected	24137.3	Detected	23480.9	Detected	Pisd-ps1	1.082228716	1.11248202	1.13734294	1.169137
A_51_P4033	39364.7	Detected	36102.6	Detected	52228.6	Detected	42601.1	Detected	Cuedc2	1.082215792	1.32678771	1.18000089	1.4466714
A_55_P2123	990.7	Detected	769	Detected	1031.1	Detected	1072	Detected	D2hgdh	1.082063188	1.04077925	1.39401821	1.3408322
A_55_P1994	25.6	Detected	28.4	Detected	17.1	Not Detect	27.7	Not Detect	Sptbn5	1.08203125	0.66796875	0.97535211	0.6021127
A_51_P4125	146980	Detected	149311.5	Detected	176062.2	Detected	159030.1	Detected	Eef1b2	1.081984624	1.19786502	1.06508943	1.1791603
A_55_P2348	39.1	Detected	23.2	Detected	37.2	Detected	42.3	Not Detect	4933413C19Rik	1.081841432	0.95140665	1.82327586	1.6034483
A_55_P2169	183.4	Detected	176.7	Detected	153.3	Detected	198.4	Detected	Plod1	1.081788441	0.83587786	1.12280702	0.8675722
A_55_P2025	172.4	Detected	182.8	Detected	158.7	Detected	186.5	Detected	Ccdc169	1.081786543	0.92053364	1.0202407	0.8681619
A_55_P2119	548	Detected	529.4	Detected	568.8	Detected	592.8	Detected	Gstcd	1.081751825	1.0379562	1.11975822	1.0744239
A_55_P2134	249126.9	Detected	247831.9	Detected	257268.6	Detected	269481.6	Detected	Gm13637	1.081704144	1.03268093	1.08735639	1.038077
A_52_P5422	4150.9	Detected	3051.1	Detected	4177.4	Detected	4490	Detected	Pdxdc1	1.081693127	1.00638416	1.47160041	1.3691456
A_52_P1161	143.3	Detected	126.9	Detected	156.9	Detected	155	Detected	Dusp19	1.081646895	1.09490579	1.2214342	1.2364066
A_55_P1969	583.3	Detected	627.6	Detected	488.8	Detected	630.9	Detected	Trappc2	1.081604663	0.83799074	1.00525813	0.77884
A_51_P3638	1683	Detected	1808.1	Detected	1381	Detected	1820.3	Detected	Pgpep1	1.081580511	0.82055853	1.00674741	0.7637852
A_51_P5093	153.3	Detected	168.3	Detected	146.5	Detected	165.8	Detected	Aldh8a1	1.081539465	0.95564253	0.98514557	0.8704694
A_51_P4407	9404.3	Detected	5334.2	Detected	11501.9	Detected	10171.1	Detected	Dpp7	1.081537169	1.2230469	1.9067714	2.1562559
A_52_P3049	1741.6	Detected	2277	Detected	1346.8	Detected	1883.6	Detected	Cenpn	1.081534221	0.7733119	0.82722881	0.59148
A_55_P2185	198.9	Detected	183.1	Detected	186.5	Detected	215.1	Detected	Sirt6	1.081447964	0.93765711	1.17476789	1.0185691
A_55_P1970	46319.4	Detected	42128.9	Detected	41745.6	Detected	50091.3	Detected	Csnk1d	1.081432402	0.9012552	1.1890009	0.9909017
A_52_P2415	90.9	Detected	111.7	Detected	96.5	Detected	98.3	Detected	Zbtb46	1.081408141	1.06160616	0.88003581	0.8639212
A_51_P1237	14869.7	Detected	15598.6	Detected	22064.9	Detected	16079.8	Detected	Zfp637	1.081380256	1.48388333	1.03084892	1.4145436
A_55_P1986	68047.9	Detected	51769.7	Detected	68541.7	Detected	73582.6	Detected	Anapc2	1.081335353	1.00725665	1.42134492	1.3239733
A_55_P2038	6049.3	Detected	4260.3	Detected	6538.4	Detected	6541.3	Detected	Dock11	1.081331724	1.08085233	1.5354083	1.5347276
A_55_P2377	147.6	Detected	83.8	Detected	101.5	Detected	159.6	Detected	Gbf1	1.081300813	0.68766938	1.90453461	1.2112172
A_55_P2328	50.5	Detected	46.9	Detected	42.5	Detected	54.6	Not Detect	4930567K12Rik	1.081188119	0.84158416	1.1641791	0.9061834
A_55_P2068	41.9	Detected	53.7	Detected	11.7	Not Detect	45.3	Not Detect	Ccl27a	1.081145585	0.27923628	0.84357542	0.2178771
A_55_P2102	30199.5	Detected	28046.7	Detected	35428	Detected	32649.3	Detected	Gm12657	1.081120548	1.17313201	1.16410487	1.2631789
A_55_P2425	1470	Detected	1872.7	Detected	1896	Detected	1589.1	Detected	1200014J11Rik	1.081020408	1.28979592	0.8485609	1.0124419
A_55_P2027	24.7	Detected	24.9	Detected	65.6	Detected	26.7	Not Detect	Tnnt1	1.08097166	2.65587045	1.07228916	2.6345382
A_66_P1328	6337.6	Detected	6219.5	Detected	7887.5	Detected	6850.5	Detected	Exosc1	1.080929689	1.2445563	1.1014551	1.2681888
A_51_P2128	4073.7	Detected	3429	Detected	3439.4	Detected	4403.1	Detected	Ube2a	1.080860152	0.84429389	1.28407699	1.003033
A_51_P2675	990.7	Detected	1259.2	Detected	1408.4	Detected	1070.8	Detected	2010012O05Rik	1.080851923	1.42162108	0.85038119	1.1184879
A_51_P4696	9.9	Not Detect	13	Not Detect	69.8	Detected	10.7	Not Detect	Syt17	1.080808081	7.05050505	0.82307692	5.3692308
A_55_P2154	23894.9	Detected	22188.9	Detected	16643.4	Detected	25823.1	Detected	Myo18a	1.080695044	0.6965252	1.1637846	0.7500777
A_51_P5131	24.8	Detected	23.3	Detected	17	Detected	26.8	Not Detect	Pnmt	1.080645161	0.68548387	1.15021459	0.7296137
A_51_P2645	12.4	Not Detect	13.8	Not Detect	26.4	Detected	13.4	Not Detect	4933427E11Rik	1.080645161	2.12903226	0.97101449	1.9130435
A_52_P6592	43.4	Detected	51.1	Detected	29.2	Detected	46.9	Not Detect	Man2a2	1.080645161	0.67281106	0.91780822	0.5714286

A_55_P2106	393521.4	Detected	430088.3	Detected	411940.6	Detected	425247.3	Detected	LOC100048117	1.08062052	1.04680609	0.98874417	0.9578047	
A_55_P1970	20384.9	Detected	18706	Detected	16894	Detected	22028	Detected	Rnf10	1.08060378	0.82875069	1.17759008	0.9031327	
A_51_P1813	127.8	Detected	113.3	Detected	265	Detected	138.1	Detected	Necab2	1.080594679	2.07355243	1.21888791	2.3389232	
A_51_P4017	1280.5	Detected	1386.5	Detected	1300	Detected	1383.7	Detected	Mettl2	1.080593518	1.01522843	0.99798053	0.9376127	
A_55_P2079	3137	Detected	2828.4	Detected	3264.9	Detected	3389.8	Detected	Map3k5	1.080586548	1.04077144	1.19848678	1.1543275	
A_55_P1952	1174.9	Detected	1237.2	Detected	1130.7	Detected	1269.5	Detected	2810403A07Rik	1.080517491	0.96237978	1.02610734	0.9139185	
A_55_P2017	915.8	Detected	732.1	Detected	1129.2	Detected	989.5	Detected	Zfp54	1.080476086	1.23302031	1.35159131	1.5424122	
A_51_P2598	23474.7	Detected	19310.7	Detected	17906.1	Detected	25363.7	Detected	Mettl9	1.080469612	0.76278291	1.31345316	0.9272631	
A_55_P2353	513.3	Detected	515.3	Detected	529.6	Detected	554.6	Detected	Pitpnm2os1	1.08045977	1.03175531	1.07626625	1.0277508	
A_55_P2007	103.2	Detected	112	Detected	122.3	Detected	111.5	Detected	Tuba3b	1.080426357	1.18507752	0.99553571	1.0919643	
A_51_P4658	508.7	Detected	424.6	Detected	419.8	Detected	549.6	Detected	Slc30a9	1.080401022	0.82524081	1.29439472	0.9886952	
A_66_P1050	31.1	Detected	40.3	Detected	37.7	Detected	33.6	Not Detect	Gm13889	1.080385852	1.21221865	0.8337469	0.9354839	
A_55_P1964	11889.9	Detected	12798.8	Detected	13594.7	Detected	12845.5	Detected	Gm9731	1.080370735	1.1433822	1.00364878	1.0621855	
A_52_P1984	6392.2	Detected	5640.1	Detected	5766.1	Detected	6905.9	Detected	Rasgrp3	1.080363568	0.9020525	1.22442864	1.02234	
A_51_P3718	13783.4	Detected	11263.8	Detected	16654.4	Detected	14890.8	Detected	Ccdc71	1.080343021	1.20829403	1.32200501	1.4785774	
A_55_P2023	416.1	Detected	293.6	Detected	375.3	Detected	449.5	Detected	Dnajb2	1.080269166	0.90194665	1.53099455	1.2782698	
A_55_P2015	164470.9	Detected	152240.6	Detected	140004.1	Detected	177658.3	Detected	Gm10856	1.080180749	0.85123934	1.16695743	0.9196239	
A_55_P1970	44.9	Detected	46.4	Detected	41.5	Detected	48.5	Not Detect	Tex28	1.080178174	0.92427617	1.04525862	0.8943966	
A_51_P3459	2776.6	Detected	2385.4	Detected	2353.3	Detected	2999.2	Detected	Ddx41	1.080169992	0.84754736	1.25731533	0.9865431	
A_66_P1114	1130.3	Detected	1080.6	Detected	1042.6	Detected	1220.9	Detected	Lce1a2	1.080155711	0.92240998	1.12983528	0.9648344	
A_52_P2784	6765.1	Detected	6861.3	Detected	7291.7	Detected	7307.1	Detected	Eif4ebp3	1.080117071	1.07784068	1.06497311	1.0627286	
A_55_P2125	445.6	Detected	322	Detected	644.6	Detected	481.3	Detected	Acbd5	1.080116697	1.44658887	1.4947205	2.0018634	
A_52_P7837	61.2	Detected	142.7	Detected	65.2	Detected	66.1	Detected	Sorbs3	1.080065359	1.06535948	0.46320953	0.4569026	
A_51_P1077	3222.6	Detected	2580.8	Detected	3721.4	Detected	3480.6	Detected	Kdsr	1.080059579	1.15478185	1.34865158	1.441956	
A_51_P2405	5405.1	Detected	6790.4	Detected	5829.8	Detected	5837.8	Detected	Zfp7	1.080054023	1.07857394	0.85971371	0.8585356	
A_55_P1978	4196.6	Detected	2959.6	Detected	5609.5	Detected	4532.5	Detected	Ppip5k2	1.080040986	1.33667731	1.53145695	1.8953575	
A_55_P2019	814.6	Detected	899.9	Detected	984.9	Detected	879.8	Detected	Ythdf3	1.080039283	1.20905966	0.97766418	1.0944549	
A_51_P1101	632.2	Detected	381.2	Detected	580.3	Detected	682.8	Detected	Ttyh2	1.080037963	0.91790573	1.79118573	1.522298	
A_55_P1975	30	Detected	33.9	Detected	29.4	Detected	32.4	Not Detect	Pdia6	1.080037963	1.08	0.98	0.95575221	0.8672566
A_52_P1369	339	Detected	848.9	Detected	191.6	Detected	366.1	Detected	Nudt7	1.079941003	0.56519174	0.43126399	0.2257039	
A_55_P2422	110.1	Detected	106.1	Detected	76.8	Detected	118.9	Detected	BC025933	1.079927339	0.69754768	1.1206409	0.7238454	
A_51_P3863	8843.1	Detected	8061	Detected	7086.6	Detected	9549.1	Detected	Ccnl2	1.079836257	0.80137056	1.18460489	0.8791217	
A_55_P2232	71.4	Detected	67.6	Detected	96.8	Detected	77.1	Detected	Scube2	1.079831933	1.3557423	1.14053254	1.4319527	
A_55_P1970	26227.3	Detected	23254.7	Detected	24022.3	Detected	28319.1	Detected	Timm17b	1.07975659	0.9159273	1.21777963	1.0330084	
A_55_P2084	536.7	Detected	427	Detected	644.6	Detected	579.5	Detected	Hist1h2aa	1.0797466	1.20104341	1.35714286	1.5096019	
A_55_P1985	338850.4	Detected	339862.1	Detected	330198.8	Detected	365871.2	Detected	BC028528	1.079742565	0.97446779	1.07652839	0.971567	
A_66_P1304	2706.8	Detected	2571.7	Detected	3373.4	Detected	2922.6	Detected	Rce1	1.079725137	1.24626866	1.13644671	1.3117393	
A_55_P1965	190382.8	Detected	217453.4	Detected	232821.2	Detected	205557.6	Detected	Rpl8	1.07970678	1.22291089	0.94529495	1.0706717	
A_55_P1984	41927.4	Detected	33279.8	Detected	39726.5	Detected	45269	Detected	Nup62	1.079699671	0.94750688	1.36025457	1.1937121	
A_55_P2061	113841.8	Detected	93145	Detected	113896.5	Detected	122899.7	Detected	Prelid1	1.079565678	1.00048049	1.31944495	1.2227871	

A_55_P2070	17.6 Detected	19.4 Detected	20 Detected	19 Not Detect	Cxxc4	1.079545455	1.13636364	0.97938144	1.0309278
A_55_P2009	104.4 Detected	110.1 Detected	81.9 Detected	112.7 Detected	Pde7a	1.079501916	0.78448276	1.0236149	0.7438692
A_55_P2003	6406.3 Detected	6185.9 Detected	5894.8 Detected	6915.2 Detected	Mtmr12	1.079437429	0.92015672	1.11789715	0.9529414
A_55_P1972	264.6 Detected	230 Detected	207.8 Detected	285.6 Detected	Txlng	1.079365079	0.78533636	1.24173913	0.9034783
A_55_P1978	81190.8 Detected	95092.9 Detected	110711.9 Detected	87634.1 Detected	Erh	1.079359977	1.36360154	0.92156302	1.1642499
A_55_P2041	385.3 Detected	454.8 Detected	390.6 Detected	415.8 Detected	Gna13	1.079159097	1.01375552	0.91424802	0.8588391
A_52_P1680	1229.2 Detected	1249.8 Detected	1213.1 Detected	1326.5 Detected	Atp2a2	1.079157175	0.98690205	1.06136982	0.9706353
A_52_P2252	4744.2 Detected	4911.1 Detected	5063.8 Detected	5119.1 Detected	Ywhaz	1.079022807	1.06736647	1.04235304	1.0310928
A_55_P2058	146.8 Detected	173.5 Detected	161.5 Detected	158.4 Detected	Gphb5	1.079019074	1.10013624	0.9129683	0.9308357
A_55_P2351	303.8 Detected	237 Detected	361.4 Detected	327.8 Detected	1700112J16Rik	1.078999342	1.18959842	1.38312236	1.5248945
A_51_P2681	855 Detected	845.7 Detected	730.7 Detected	922.5 Detected	D14Abb1e	1.078947368	0.85461988	1.09081234	0.864018
A_55_P2143	4421.9 Detected	3457 Detected	7373.2 Detected	4770.6 Detected	Rpp21	1.078857505	1.66742803	1.37998264	2.1328319
A_55_P2136	11579.9 Detected	10210.8 Detected	12470.4 Detected	12492.9 Detected	Cisd3	1.078843513	1.07690049	1.22349865	1.2212951
A_52_P1367	566 Detected	482.6 Detected	273.4 Detected	610.6 Detected	Dtnb	1.078798587	0.48303887	1.26523	0.5665147
A_52_P4575	120.6 Detected	113 Detected	103.5 Detected	130.1 Detected	Fbxw21	1.078772803	0.85820896	1.15132743	0.9159292
A_51_P2469	80093.4 Detected	79263.5 Detected	95032.1 Detected	86393.9 Detected	Rps27l	1.078664409	1.18651599	1.08995818	1.198939
A_51_P1775	21142.4 Detected	22860.1 Detected	23592 Detected	22805.3 Detected	Puf60	1.078652376	1.11586196	0.99760281	1.0320165
A_51_P2089	8453.5 Detected	8965 Detected	10920.9 Detected	9118.3 Detected	N4bp3	1.078641983	1.2918791	1.01709983	1.2181707
A_55_P2090	259325.7 Detected	251821.7 Detected	283092.5 Detected	279698.6 Detected	Tpm3	1.078561053	1.09164846	1.11070094	1.1241783
A_51_P1792	11778.5 Detected	9664.7 Detected	11409 Detected	12702.8 Detected	Tssc4	1.07847349	0.96862928	1.31435016	1.1804815
A_65_P0719	249554.5 Detected	254409.8 Detected	241779.3 Detected	269133.8 Detected	COX3	1.07845701	0.96884368	1.05787513	0.9503537
A_55_P1958	20396.7 Detected	18894.6 Detected	18721.5 Detected	21995.6 Detected	Thrap3	1.078390132	0.91786907	1.16412097	0.9908387
A_51_P3095	6436.4 Detected	4422.7 Detected	6009.6 Detected	6940.9 Detected	Praf2	1.078382326	0.93368964	1.5693807	1.358808
A_55_P2158	247896.2 Detected	263295.4 Detected	297694.6 Detected	267315.7 Detected	Rps27	1.078337223	1.20088408	1.01526916	1.1306487
A_52_P1072	1255.6 Detected	1527.7 Detected	1206.1 Detected	1353.9 Detected	Prpf39	1.078289264	0.96057662	0.88623421	0.7894875
A_51_P1708	2837.3 Detected	2308.2 Detected	1957.6 Detected	3059.4 Detected	Map3k6	1.078278645	0.68995171	1.3254484	0.8481067
A_52_P6978	4061.4 Detected	4142.8 Detected	5241.5 Detected	4379.1 Detected	Exosc1	1.078224258	1.29056483	1.05703872	1.2652071
A_55_P2167	727.7 Detected	710.7 Detected	831.4 Detected	784.6 Detected	Gm10451	1.078191562	1.14250378	1.10398199	1.1698326
A_51_P3739	24.3 Detected	29.6 Detected	29 Detected	26.2 Not Detect	Rsph1	1.0781893	1.19341564	0.88513514	0.9797297
A_55_P1973	4279.8 Detected	5198.1 Detected	3083.9 Detected	4614.4 Detected	Tax1bp3	1.078181223	0.72057105	0.88770897	0.5932745
A_55_P1993	19.2 Detected	29.5 Detected	21.6 Detected	20.7 Not Detect	Acsbg2	1.078125	1.125	0.70169492	0.7322034
A_52_P2827	5573.8 Detected	4123.1 Detected	5503.4 Detected	6008.9 Detected	Myd88	1.078061646	0.98736948	1.45737431	1.3347724
A_55_P2044	61.5 Detected	63.3 Detected	65.9 Detected	66.3 Detected	Tbc1d32	1.07804878	1.07154472	1.04739336	1.0410742
A_51_P2014	7537.5 Detected	6560.8 Detected	5808 Detected	8124.3 Detected	Stat3	1.077850746	0.77054726	1.23830935	0.8852579
A_51_P4628	1414.7 Detected	1267.4 Detected	1619.8 Detected	1524.8 Detected	Sars2	1.077825687	1.14497773	1.20309295	1.2780496
A_55_P2153	1662.7 Detected	1527.3 Detected	1551.3 Detected	1792 Detected	Enho	1.077765081	0.93300054	1.17331238	1.015714
A_51_P3930	2466.5 Detected	1943.4 Detected	1899.3 Detected	2658.3 Detected	Ap4m1	1.077762011	0.77003852	1.36786045	0.9773078
A_55_P2056	18730.1 Detected	21477.9 Detected	14794.6 Detected	20184 Detected	Bcar1	1.077623718	0.78988366	0.93975668	0.688829
A_55_P1989	32698.2 Detected	27781.2 Detected	36832.6 Detected	35234.7 Detected	Nenf	1.077573077	1.12644121	1.26829295	1.3258103
A_65_P0178	6465.2 Detected	6427.1 Detected	6030.2 Detected	6966.3 Detected	Med28	1.07750727	0.9327167	1.08389476	0.9382459

A_55_P2041	13391.4	Detected	12317	Detected	14651.8	Detected	14428.3	Detected	1110004F10Rik	1.077430291	1.09412011	1.17141349	1.1895591
A_66_P1045	16.8	Detected	15	Not Detect	4.8	Not Detect	18.1	Not Detect	4932413F04Rik	1.077380952	0.28571429	1.20666667	0.32
A_55_P1981	1265.8	Detected	1112	Detected	1183.1	Detected	1363.5	Detected	Ercc6l2	1.077184389	0.93466582	1.22616906	1.0639388
A_55_P1996	360.2	Detected	287.4	Detected	233.7	Detected	388	Detected	Rasa3	1.077179345	0.64880622	1.35003479	0.8131524
A_55_P2064	960.5	Detected	871.5	Detected	1588	Detected	1034.5	Detected	Pcmdt2	1.077043207	1.65330557	1.18703385	1.8221457
A_66_P1064	1763.2	Detected	1511.4	Detected	1726.4	Detected	1899	Detected	Prkacb	1.077019056	0.97912886	1.25645097	1.1422522
A_55_P2444	1943.4	Detected	1315.3	Detected	979.3	Detected	2093	Detected	Akap2	1.076978491	0.50391067	1.59127195	0.744545
A_52_P9788	9.1	Not Detect	35.3	Detected	5.6	Not Detect	9.8	Not Detect	B4galnt4	1.076923077	0.61538462	0.2776204	0.1586402
A_52_P6253	475.1	Detected	416.6	Detected	461.7	Detected	511.6	Detected	Sc1t1	1.076825931	0.97179541	1.22803649	1.1082573
A_55_P2137	4266.2	Detected	3919.7	Detected	5070.8	Detected	4593.8	Detected	Fxyd1	1.076789649	1.18859875	1.17197745	1.2936704
A_55_P2176	125.1	Detected	403.3	Detected	21.2	Detected	134.7	Detected	Mitf	1.076738609	0.16946443	0.33399455	0.0525663
A_51_P4607	3010.5	Detected	2691	Detected	2946	Detected	3241.5	Detected	Tdrd3	1.07673144	0.97857499	1.20457079	1.0947603
A_52_P5831	6443.6	Detected	7219.7	Detected	5707	Detected	6937.7	Detected	Ykt6	1.076680737	0.88568502	0.96094021	0.7904761
A_55_P1989	71.8	Detected	67.7	Detected	79.2	Detected	77.3	Detected	Fndc1	1.076601671	1.10306407	1.14180207	1.1698671
A_55_P2044	69.2	Detected	61.9	Detected	73.9	Detected	74.5	Detected	Sorcs1	1.076589595	1.06791908	1.20355412	1.1938611
A_55_P2038	67965.2	Detected	59887.9	Detected	83852.8	Detected	73168.6	Detected	Csrp1	1.076559769	1.23376081	1.22175932	1.4001626
A_55_P2044	12851.7	Detected	12230.7	Detected	11702.6	Detected	13835.5	Detected	Rxrg	1.076550184	0.9105877	1.13121081	0.9568218
A_55_P2016	6286.8	Detected	5538.1	Detected	5044.6	Detected	6767.6	Detected	Lce1a2	1.076477699	0.8024114	1.22200755	0.91089
A_66_P1207	7723	Detected	7604.7	Detected	8255.7	Detected	8313.3	Detected	Ywhaz	1.076434028	1.06897579	1.09317922	1.085605
A_55_P2092	22056.2	Detected	18634.7	Detected	30413.6	Detected	23742	Detected	Traf2	1.076432024	1.37891387	1.27407471	1.632095
A_55_P2142	959.1	Detected	818	Detected	897	Detected	1032.4	Detected	Gm16441	1.076425816	0.9352518	1.26210269	1.096577
A_51_P3353	4316.3	Detected	3658.5	Detected	4312.1	Detected	4646.1	Detected	Ppm1a	1.076408035	0.99902694	1.2699467	1.1786525
A_55_P1985	250.2	Detected	207.5	Detected	243.5	Detected	269.3	Detected	Bhlha9	1.076338929	0.97322142	1.29783133	1.173494
A_55_P1985	1234.2	Detected	1279.8	Detected	8.6	Not Detect	1328.4	Detected	Slc35f2	1.076324745	0.00696808	1.03797468	0.0067198
A_52_P1421	508.5	Detected	465.5	Detected	665.3	Detected	547.3	Detected	Aph1b	1.076302852	1.30835792	1.17572503	1.4292159
A_55_P1963	349950.2	Detected	385442	Detected	374232.8	Detected	376648.1	Detected	Rps12	1.076290569	1.06938873	0.97718489	0.9709186
A_52_P4134	2434.1	Detected	2086.8	Detected	2245.5	Detected	2619.7	Detected	Ldlrap1	1.076249949	0.92251756	1.25536707	1.0760495
A_55_P2061	1081.1	Detected	1063.1	Detected	988.6	Detected	1163.5	Detected	Cdc27	1.076218666	0.914439	1.09444079	0.9299219
A_51_P3002	1907.8	Detected	1564.5	Detected	2103.2	Detected	2053.2	Detected	Srek1ip1	1.07621344	1.10242164	1.31236817	1.3443273
A_55_P2160	30.2	Detected	27.4	Detected	30	Detected	32.5	Not Detect	Tcp10b	1.07615894	0.99337748	1.18613139	1.0948905
A_55_P2212	47.3	Detected	30.9	Detected	24.7	Detected	50.9	Detected	LOC548102	1.076109937	0.52219873	1.64724919	0.7993528
A_51_P1103	6863.5	Detected	5338	Detected	6484.2	Detected	7385.8	Detected	Setd2	1.076098201	0.94473665	1.38362683	1.2147246
A_55_P1955	125243.8	Detected	139871.7	Detected	120327.3	Detected	134774.5	Detected	Rps6	1.07609718	0.96074456	0.96355803	0.8602691
A_55_P1974	55931.6	Detected	65391.9	Detected	67967.5	Detected	60186.4	Detected	Ndufs7	1.076071487	1.21518962	0.92039534	1.0393871
A_52_P3755	81.6	Detected	96.5	Detected	57.8	Detected	87.8	Detected	Lrrc46	1.075980392	0.70833333	0.90984456	0.5989637
A_55_P1959	6523.7	Detected	5282	Detected	6128.2	Detected	7019.1	Detected	Usp32	1.075938501	0.93937489	1.32887164	1.1602045
A_51_P2244	2379	Detected	2580.9	Detected	2661.1	Detected	2559.5	Detected	Gpn3	1.075872215	1.11857923	0.99170832	1.0310744
A_55_P2145	358575.6	Detected	389527.4	Detected	373622.3	Detected	385771.8	Detected	Tpt1	1.075845094	1.04196242	0.99035857	0.9591682
A_55_P2072	62727.6	Detected	48818	Detected	63892.5	Detected	67484.1	Detected	Sptan1	1.075827865	1.01857077	1.38236101	1.3087898
A_55_P2179	590.9	Detected	565.1	Detected	472.4	Detected	635.7	Detected	Spsb1	1.075816551	0.79945845	1.12493364	0.8359582

A_55_P2009	9257.2	Detected	8450.5	Detected	8991.8	Detected	9959	Detected	Mad111	1.07581126	0.97133042	1.17851015	1.0640554
A_55_P2176	31.7	Detected	27.9	Detected	28.6	Detected	34.1	Not Detect	Pdzd9	1.075709779	0.9022082	1.22222222	1.0250896
A_51_P3156	1871.3	Detected	1610.6	Detected	1663.5	Detected	2012.9	Detected	Usp11	1.075669321	0.8889542	1.24978269	1.0328449
A_55_P2019	20690.1	Detected	20360.3	Detected	18612.5	Detected	22254.5	Detected	Acaca	1.075611041	0.89958483	1.09303399	0.9141565
A_55_P2020	45420.6	Detected	43143.2	Detected	45230.9	Detected	48854.5	Detected	Chd4	1.07560226	0.99582348	1.13238007	1.04839
A_55_P2106	388963.9	Detected	420643.8	Detected	394365.1	Detected	418370.4	Detected	Gm5523	1.075602132	1.01388612	0.99459543	0.9375274
A_51_P2169	1923.9	Detected	1884.4	Detected	2503.5	Detected	2069.3	Detected	Ddx59	1.075575654	1.30126306	1.09812142	1.3285396
A_52_P4043	1977.2	Detected	1517.3	Detected	1644.8	Detected	2126.3	Detected	Cdc42bpb	1.07540967	0.83188347	1.40137086	1.0840308
A_55_P2128	708.3	Detected	856.4	Detected	520.5	Detected	761.7	Detected	Uggt1	1.075391783	0.73485811	0.88942083	0.6077767
A_52_P4502	18.6	Detected	20.7	Detected	22.8	Detected	20	Not Detect	Spata1	1.075268817	1.22580645	0.96618357	1.1014493
A_55_P2024	163.5	Detected	158.6	Detected	140	Detected	175.8	Detected	Nus1	1.075229358	0.85626911	1.10844893	0.8827238
A_52_P6567	715.2	Detected	615.1	Detected	890.8	Detected	769	Detected	Map3k5	1.075223714	1.24552573	1.25020322	1.4482198
A_51_P1166	59.9	Detected	53.1	Detected	48.1	Detected	64.4	Detected	1700010114Rik	1.075125209	0.80300501	1.21280603	0.905838
A_51_P4174	50469.1	Detected	47655	Detected	70842.3	Detected	54260.1	Detected	Rnaseh2c	1.075115269	1.40367671	1.13860246	1.4865659
A_55_P2160	176677.3	Detected	180916	Detected	177895.2	Detected	189941.3	Detected	LOC101055815	1.075074727	1.00689336	1.04988669	0.9833027
A_52_P2562	684.8	Detected	631.2	Detected	832.4	Detected	736.2	Detected	Zbtb11	1.075058411	1.21553738	1.16634981	1.3187579
A_55_P2064	28256.8	Detected	26096.7	Detected	31713.3	Detected	30376.4	Detected	Arpc3	1.075012033	1.12232454	1.16399391	1.2152226
A_55_P2048	13661	Detected	10872.8	Detected	11366.2	Detected	14685.4	Detected	Gm6578	1.07498719	0.83201815	1.35065485	1.0453793
A_55_P2035	6324.7	Detected	6207.3	Detected	7007	Detected	6798.5	Detected	Pcdh1	1.074912644	1.10787863	1.0952427	1.1288322
A_51_P2795	8529	Detected	6350.4	Detected	7545.4	Detected	9167.9	Detected	Syap1	1.074909134	0.88467581	1.44367284	1.1881771
A_51_P1582	22.7	Detected	26.8	Detected	31.7	Detected	24.4	Not Detect	Vmn1r199	1.074889868	1.39647577	0.91044776	1.1828358
A_55_P2155	112596.7	Detected	124945.8	Detected	113031.1	Detected	121023.3	Detected	Sec61g	1.074838783	1.00385802	0.96860639	0.9046411
A_51_P1483	4495.4	Detected	4260.6	Detected	3615.8	Detected	4831.8	Detected	Chic2	1.074832051	0.80433332	1.13406562	0.8486598
A_55_P2055	17334.5	Detected	16929.4	Detected	17440.5	Detected	18631.3	Detected	Slc15a4	1.074810349	1.00611497	1.10052926	1.0301901
A_51_P3637	518.8	Detected	522.6	Detected	416.3	Detected	557.6	Detected	Mcm3ap	1.074787972	0.80242868	1.06697283	0.796594
A_51_P1278	4139.1	Detected	3600.4	Detected	5699.5	Detected	4448.5	Detected	Pdss1	1.07475055	1.37699017	1.23555716	1.5830186
A_51_P4463	3790.2	Detected	3917.4	Detected	4632.1	Detected	4073.5	Detected	Cdc37i1	1.074745396	1.22212548	1.03984786	1.1824424
A_51_P3653	22545.1	Detected	26142.4	Detected	21464.3	Detected	24230.2	Detected	Smg5	1.074743514	0.95206054	0.92685446	0.8210532
A_51_P2150	119.1	Detected	143.5	Detected	102	Detected	128	Detected	Tmem59l	1.07472712	0.85642317	0.89198606	0.7108014
A_55_P1977	13550.1	Detected	11295.9	Detected	12886.3	Detected	14561.7	Detected	Mapk1	1.074656276	0.95101143	1.28911375	1.1407944
A_55_P2295	214.6	Detected	97.2	Detected	154	Detected	230.6	Detected	Fam63b	1.074557316	0.71761417	2.37242798	1.5843621
A_51_P4624	86043.3	Detected	80005.6	Detected	111560.9	Detected	92458.2	Detected	Gpx4	1.074554323	1.29656696	1.1556466	1.3944136
A_55_P2106	460573.6	Detected	474335.7	Detected	439515.9	Detected	494899.7	Detected	Glrx2	1.074529022	0.9542794	1.04335326	0.9265925
A_51_P1168	7053.5	Detected	6654	Detected	8788	Detected	7578.3	Detected	Cyp17a1	1.074402779	1.24590629	1.13890893	1.3207093
A_55_P2017	7467.3	Detected	6519.2	Detected	7146.8	Detected	8022.3	Detected	Eapp	1.074324053	0.95707953	1.2305651	1.0962695
A_55_P2085	28.3	Detected	30.8	Detected	18.6	Not Detect	30.4	Not Detect	Traf7	1.074204947	0.65724382	0.98701299	0.6038961
A_55_P2087	42197.3	Detected	46225.1	Detected	37288.2	Detected	45328.2	Detected	Gm5506	1.07419669	0.88366317	0.98059712	0.8066656
A_51_P4732	1326.9	Detected	1311.8	Detected	1577.8	Detected	1425.1	Detected	Zfp426	1.074007084	1.18908735	1.08636987	1.2027748
A_55_P1990	3988	Detected	3530	Detected	3184.8	Detected	4282.9	Detected	Ube2j1	1.073946841	0.79859579	1.21328612	0.9022096
A_51_P4640	551.8	Detected	549	Detected	478.8	Detected	592.6	Detected	Zc3h13	1.073939833	0.86770569	1.07941712	0.8721311

A_55_P2251	79.8	Detected	86.9	Detected	137.1	Detected	85.7	Detected	AV313155	1.073934837	1.71804511	0.98619102	1.5776755
A_52_P4034	142.1	Detected	168.4	Detected	171.1	Detected	152.6	Detected	Ptpn2	1.073891626	1.20408163	0.90617577	1.0160333
A_55_P2126	16064.3	Detected	13990.2	Detected	13680.7	Detected	17249.7	Detected	Usp16	1.073790953	0.8516213	1.23298452	0.9778774
A_55_P2095	12.2	Not Detect	31.2	Detected	29.4	Detected	13.1	Not Detect	1700028K03Rik	1.073770492	2.40983607	0.41987179	0.9423077
A_51_P1214	4938.5	Detected	4652.7	Detected	5836.7	Detected	5302.7	Detected	Slc35a4	1.073747089	1.18187709	1.13970383	1.2544759
A_55_P2066	99.1	Detected	87	Detected	127.6	Detected	106.4	Detected	Aak1	1.073662967	1.28758829	1.22298851	1.4666667
A_66_P1023	3348.3	Detected	3759.2	Detected	3143.6	Detected	3594.9	Detected	Elac2	1.073649315	0.9388645	0.95629389	0.8362418
A_52_P6411	65.2	Detected	115.7	Detected	74.1	Detected	70	Detected	1700029J07Rik	1.073619632	1.13650307	0.60501296	0.6404494
A_55_P2018	104698.6	Detected	105966.6	Detected	150836.2	Detected	112402.4	Detected	Cox8a	1.073580736	1.44067065	1.06073423	1.4234315
A_51_P3013	18100.8	Detected	10964.9	Detected	16889.6	Detected	19431.8	Detected	Ciz1	1.073532662	0.93308583	1.77218214	1.5403332
A_55_P2376	49	Detected	60.8	Detected	69.7	Detected	52.6	Detected	1810044D09Rik	1.073469388	1.42244898	0.86513158	1.1463816
A_55_P2116	217.9	Detected	167	Detected	240.2	Detected	233.9	Detected	A130010J15Rik	1.073428178	1.10234052	1.4005988	1.4383234
A_55_P2166	4016.4	Detected	4037.3	Detected	3887.4	Detected	4311.3	Detected	Stk11	1.073423962	0.96788169	1.06786714	0.9628712
A_55_P1985	22538.5	Detected	15501.6	Detected	23292.8	Detected	24192.4	Detected	Ttyh2	1.073381103	1.03346718	1.5606389	1.5026062
A_55_P1959	242.6	Detected	206	Detected	239.3	Detected	260.4	Detected	Stx1b	1.073371805	0.98639736	1.26407767	1.1616505
A_66_P1001	25.9	Detected	23.9	Detected	22.2	Detected	27.8	Not Detect	Dynl1a	1.073359073	0.85714286	1.16317992	0.9288703
A_55_P2025	58411.4	Detected	66888.7	Detected	54125.2	Detected	62695.9	Detected	Hmgb1	1.073350408	0.92662049	0.93731677	0.809183
A_55_P1971	54747.1	Detected	62464.1	Detected	67470.2	Detected	58759.1	Detected	Timm23	1.073282242	1.2323977	0.94068593	1.0801436
A_55_P2022	1127.1	Detected	1183.8	Detected	1085.9	Detected	1209.6	Detected	Sfrs18	1.073196699	0.96344601	1.02179422	0.9173002
A_55_P2044	73.8	Detected	84	Detected	93.3	Detected	79.2	Detected	Gm10766	1.073170732	1.26422764	0.94285714	1.1107143
A_55_P2065	29454.8	Detected	26242	Detected	29333.4	Detected	31606.7	Detected	Ccnb1	1.073057702	0.99587843	1.20443183	1.1178035
A_55_P2096	1631.6	Detected	1556.6	Detected	1583.5	Detected	1750.6	Detected	Cdc42bpa	1.072934543	0.97051974	1.12463061	1.0172813
A_55_P2087	267145.8	Detected	293591.4	Detected	317633.7	Detected	286578.4	Detected	Gm6251	1.072741552	1.18899006	0.97611306	1.0818903
A_52_P3868	1925.4	Detected	2262.5	Detected	2196	Detected	2065.4	Detected	Trmu	1.072712164	1.14054222	0.91288398	0.9706077
A_51_P5181	5807.9	Detected	6292.5	Detected	6272.1	Detected	6230.2	Detected	Rrp9	1.072711307	1.07992562	0.99009932	0.996758
A_51_P4813	4032.5	Detected	2826.4	Detected	4425.5	Detected	4325.6	Detected	Kif11	1.072684439	1.09745815	1.5304274	1.5657727
A_51_P1255	1416.4	Detected	1908.3	Detected	1667.6	Detected	1519.3	Detected	Mettl13	1.072648969	1.17735103	0.79615364	0.8738668
A_51_P3113	41.3	Detected	46.6	Detected	34.7	Detected	44.3	Not Detect	4930449E01Rik	1.072639225	0.8401937	0.95064378	0.7446352
A_55_P2138	130.8	Detected	129	Detected	112.4	Detected	140.3	Detected	Gon4l	1.072629969	0.85932722	1.0875969	0.8713178
A_51_P4159	113950.2	Detected	99376.6	Detected	109072.8	Detected	122223.8	Detected	Psma2	1.072607156	0.95719709	1.22990523	1.0975703
A_55_P2093	1466.7	Detected	1570.3	Detected	1317.3	Detected	1572.9	Detected	Ddi2	1.072407445	0.89813868	1.00165573	0.8388843
A_52_P3263	13414.7	Detected	10683.1	Detected	14352.7	Detected	14385.8	Detected	Erf	1.072390736	1.06992329	1.34659415	1.3434958
A_51_P4835	4763.5	Detected	5071.4	Detected	4550.4	Detected	5108.3	Detected	Ube2b	1.072383751	0.95526399	1.0072761	0.897267
A_55_P2050	3500.1	Detected	3495.9	Detected	2034.7	Detected	3753.4	Detected	Ankrd50	1.072369361	0.58132625	1.07365771	0.5820247
A_55_P2256	676.1	Detected	688.6	Detected	215.1	Detected	725	Detected	C130078N14	1.072326579	0.3181482	1.05286088	0.3123729
A_51_P4285	73123.8	Detected	75682.4	Detected	82807.9	Detected	78411.9	Detected	Krtcap2	1.072317084	1.13243431	1.03606519	1.09415
A_66_P1072	16.6	Detected	24	Detected	23.7	Detected	17.8	Not Detect	Tmprss11f	1.072289157	1.42771084	0.74166667	0.9875
A_55_P2163	10720.6	Detected	10538.9	Detected	10168.1	Detected	11494.8	Detected	Mapkapk5	1.072216107	0.94846371	1.09070207	0.9648161
A_55_P2078	27.7	Detected	28.5	Detected	34.3	Detected	29.7	Not Detect	Tdh	1.072202166	1.23826715	1.04210526	1.2035088
A_51_P2820	19877.2	Detected	20378.2	Detected	23214.3	Detected	21312.1	Detected	Urod	1.072188236	1.16788582	1.04582839	1.1391732

A_55_P2109	99300.8	Detected	118763.9	Detected	106757.8	Detected	106461.2	Detected	Rpl23a	1.07210818	1.07509506	0.89641044	0.8989078
A_51_P4097	1116.5	Detected	876.8	Detected	1049.2	Detected	1197	Detected	Secisbp2	1.072100313	0.93972235	1.36519161	1.1966241
A_55_P2146	160.9	Detected	147.1	Detected	161.6	Detected	172.5	Detected	Ggt5	1.072094469	1.00435053	1.17267165	1.0985724
A_51_P3968	25953.3	Detected	20638.5	Detected	30830.6	Detected	27824.3	Detected	Timm10b	1.072091025	1.18792601	1.34817453	1.4938392
A_55_P2117	2818.3	Detected	3669.7	Detected	3955.9	Detected	3021.4	Detected	Snhg1	1.07206472	1.40364759	0.82333706	1.07799
A_55_P2132	122816.4	Detected	117610.1	Detected	132710	Detected	131667	Detected	Rps16	1.072063666	1.08055602	1.1195212	1.1283895
A_55_P1988	10714.7	Detected	8237.5	Detected	8532	Detected	11486.7	Detected	Cyth2	1.072050547	0.79628921	1.39444006	1.0357511
A_55_P2083	115.2	Detected	95.6	Detected	114.9	Detected	123.5	Detected	2810410L24Rik	1.072048611	0.99739583	1.291841	1.2018828
A_55_P2014	38356.6	Detected	27696.2	Detected	46917.3	Detected	41119.9	Detected	Rab14	1.07204236	1.22318714	1.4846766	1.6939977
A_55_P2019	1267.6	Detected	999.3	Detected	1511	Detected	1358.9	Detected	Spopl	1.072025876	1.19201641	1.3598519	1.5120584
A_55_P1953	21392.2	Detected	21248	Detected	12438	Detected	22931.2	Detected	Pbx1	1.07194211	0.58142688	1.07921687	0.5853727
A_55_P2075	254989.3	Detected	294176.6	Detected	271806.7	Detected	273324.8	Detected	Tpt1	1.071906939	1.06595336	0.92911809	0.9239576
A_51_P3656	26723.9	Detected	18607.8	Detected	20438	Detected	28645.4	Detected	Rala	1.07190193	0.76478358	1.5394297	1.0983566
A_52_P2861	10669.7	Detected	11205.3	Detected	11865.4	Detected	11436.7	Detected	Cisd2	1.071885807	1.11206501	1.02065094	1.0589096
A_52_P2767	2882.1	Detected	3598.3	Detected	3428.2	Detected	3089.2	Detected	Tox4	1.071857326	1.18947989	0.85851652	0.9527277
A_55_P2376	250.5	Detected	214.9	Detected	216.7	Detected	268.5	Detected	Igkv4-72	1.071856287	0.86506986	1.24941833	1.008376
A_55_P1970	340377.8	Detected	346779.2	Detected	367986.2	Detected	364833.6	Detected	Rpsa	1.071848987	1.08111105	1.0520631	1.0611542
A_55_P2186	439957.2	Detected	469853.7	Detected	446608.8	Detected	471509	Detected	Gapdh	1.071715612	1.01511874	1.00352301	0.9505274
A_55_P2144	25.1	Detected	22.4	Detected	21.1	Detected	26.9	Not Detect	Csnk1g3	1.071713147	0.84063745	1.20089286	0.9419643
A_52_P5580	4117	Detected	3585.1	Detected	3684.8	Detected	4412.2	Detected	Poc5	1.071702696	0.89502065	1.23070486	1.0278095
A_55_P2031	1401.3	Detected	1416	Detected	1568.2	Detected	1501.7	Detected	Gtdc1	1.071647756	1.11910369	1.0605226	1.1074859
A_52_P4658	853.2	Detected	603	Detected	995.6	Detected	914.3	Detected	Gramd3	1.071612752	1.16690108	1.51625207	1.6510779
A_55_P2165	160.6	Detected	132.7	Detected	158.4	Detected	172.1	Detected	Mybpc1	1.071606476	0.98630137	1.29691032	1.1936699
A_55_P2344	83.8	Detected	89.5	Detected	44	Detected	89.8	Detected	LOC553089	1.071599045	0.52505967	1.00335196	0.4916201
A_52_P5983	4602.1	Detected	6744.6	Detected	5329.5	Detected	4931.4	Detected	Gtf2f2	1.07155429	1.15805828	0.73116271	0.7901877
A_55_P2077	174.8	Detected	201.4	Detected	129.3	Detected	187.3	Detected	Gm6981	1.071510297	0.73970252	0.92999007	0.642006
A_55_P1978	23.8	Detected	24.5	Detected	19.2	Detected	25.5	Not Detect	Sez6	1.071428571	0.80672269	1.04081633	0.7836735
A_51_P3053	7414.9	Detected	7270.6	Detected	11760.5	Detected	7944.2	Detected	B3gnt1	1.071383296	1.5860632	1.0926471	1.6175419
A_51_P1963	27273.4	Detected	23895.8	Detected	27958.2	Detected	29219.3	Detected	1110004E09Rik	1.071347907	1.02510871	1.22277974	1.1700048
A_51_P2633	752.7	Detected	927	Detected	821.2	Detected	806.4	Detected	Thnsl1	1.071343165	1.09100571	0.86990291	0.8858684
A_55_P2091	134218.6	Detected	126183.8	Detected	143738.5	Detected	143793.4	Detected	Hist1h4k	1.071337356	1.07092832	1.13955516	1.1391201
A_55_P2123	162163.6	Detected	163218	Detected	173807.3	Detected	173724.4	Detected	Kpna2	1.071290968	1.07180218	1.06437035	1.0648783
A_51_P3617	56849.8	Detected	53143.9	Detected	59266.1	Detected	60902.3	Detected	Vapa	1.071284332	1.04250323	1.14598853	1.1152004
A_55_P2073	47286	Detected	36665.2	Detected	33586.7	Detected	50655.2	Detected	Mki67	1.071251533	0.71028846	1.38156072	0.9160376
A_51_P1089	15772.3	Detected	19668.6	Detected	20202.8	Detected	16895.7	Detected	Ccdc86	1.071226137	1.28090386	0.85901894	1.02716
A_55_P2364	659	Detected	591.8	Detected	520.4	Detected	705.9	Detected	D030002E05Rik	1.071168437	0.78968134	1.19280162	0.8793511
A_52_P9703	22.5	Detected	14	Not Detect	17.7	Not Detect	24.1	Not Detect	Cyp2a4	1.071111111	0.78666667	1.72142857	1.2642857
A_66_P1190	634.3	Detected	525.1	Detected	651.4	Detected	679.4	Detected	Tbc1d22b	1.071102002	1.02695885	1.29384879	1.2405256
A_55_P2152	130.8	Detected	101	Detected	113.3	Detected	140.1	Detected	Spata2	1.071100917	0.86620795	1.38712871	1.1217822
A_51_P2973	5530.8	Detected	6810.5	Detected	6435.5	Detected	5923.7	Detected	Chmp7	1.071038548	1.16357489	0.8697893	0.944938

A_55_P2045	3998.1	Detected	4139.8	Detected	4376.8	Detected	4281.9	Detected	Nme6	1.070983717	1.09471999	1.03432533	1.0572491
A_51_P4960	1927.4	Detected	1686.6	Detected	952.7	Detected	2064.1	Detected	Zcchc14	1.070924562	0.49429283	1.22382308	0.5648642
A_55_P2092	36.7	Detected	46.7	Detected	19.1	Detected	39.3	Not Detect	Cyp4a10	1.070844687	0.52043597	0.84154176	0.4089936
A_52_P2172	2776.8	Detected	2283.2	Detected	2327.6	Detected	2973.5	Detected	Ppme1	1.070836935	0.83823106	1.30233882	1.0194464
A_55_P2007	151.2	Detected	91.1	Detected	148	Detected	161.9	Detected	Catsper2	1.070767196	0.97883598	1.77716795	1.6245884
A_55_P2079	7132.8	Detected	6682.4	Detected	6653.6	Detected	7637.4	Detected	Fuca1	1.070743607	0.93281741	1.14291273	0.9956902
A_55_P2010	641.9	Detected	823.1	Detected	719.5	Detected	687.3	Detected	LOC101056169	1.070727528	1.1208911	0.83501397	0.8741344
A_51_P3538	1412.8	Detected	1405.5	Detected	1349.6	Detected	1512.7	Detected	Zfp580	1.070710646	0.95526614	1.07627179	0.9602277
A_55_P2024	164246.4	Detected	177708.1	Detected	197586.5	Detected	175828	Detected	Rps27	1.07051357	1.20298832	0.98942029	1.1118598
A_55_P2080	904.9	Detected	856.3	Detected	822.7	Detected	968.7	Detected	Aim2	1.070505028	0.90916123	1.13126241	0.9607614
A_55_P2050	11809.4	Detected	9316	Detected	11114.5	Detected	12641.7	Detected	Gak	1.070477755	0.94115704	1.35698798	1.193055
A_55_P2030	2244.8	Detected	1886.7	Detected	1509.8	Detected	2403	Detected	Kdm6b	1.070473984	0.67257662	1.27365241	0.8002332
A_55_P2363	545	Detected	641.1	Detected	499.6	Detected	583.4	Detected	Zfp867	1.070458716	0.91669725	0.90999844	0.7792856
A_55_P2258	278.3	Detected	319.3	Detected	341.2	Detected	297.9	Detected	LOC433461	1.070427596	1.22601509	0.93297839	1.0685875
A_51_P2805	785.8	Detected	902	Detected	812.4	Detected	841.1	Detected	Supt16	1.070374141	1.03385085	0.93248337	0.9006652
A_55_P2141	1054.8	Detected	1192.2	Detected	1105.5	Detected	1129	Detected	Rnu2-10	1.070345089	1.04806598	0.94698876	0.9272773
A_55_P2088	81862.7	Detected	77938.1	Detected	99145.8	Detected	87619.5	Detected	Snrpd2	1.070322626	1.21112301	1.12421909	1.2721095
A_55_P2181	2444.9	Detected	1255.2	Detected	2696.5	Detected	2616.8	Detected	Il10rb	1.070309624	1.10290809	2.08476737	2.1482632
A_55_P2060	2230.3	Detected	2663.2	Detected	2513.6	Detected	2387	Detected	Grwd1	1.070259606	1.12702327	0.89629018	0.943827
A_55_P2048	2800.4	Detected	2046.9	Detected	3277	Detected	2997	Detected	Ppil2	1.070204257	1.17018997	1.46416532	1.6009575
A_55_P2184	1969.2	Detected	1392.8	Detected	1949.7	Detected	2107.3	Detected	Rnd2	1.070130002	0.9900975	1.5129954	1.399842
A_51_P3718	3186.1	Detected	2537.9	Detected	3464	Detected	3409.5	Detected	Zmynd8	1.070117071	1.08722262	1.34343355	1.364908
A_66_P1350	114.1	Detected	115.8	Detected	106.1	Detected	122.1	Detected	Krtap5-1	1.070113935	0.92988606	1.05440415	0.9162349
A_55_P1960	8542.5	Detected	10352.1	Detected	7141.3	Detected	9141.2	Detected	Pigr	1.07008487	0.83597308	0.88302856	0.6898407
A_55_P2013	1227.2	Detected	1565.2	Detected	1520.5	Detected	1313.2	Detected	L2hgdh	1.070078227	1.23899935	0.83899821	0.9714413
A_55_P2052	2084.6	Detected	1509.1	Detected	2224.3	Detected	2230.5	Detected	Setd4	1.069989446	1.06701525	1.47803326	1.4739249
A_52_P7249	66381.9	Detected	74831.4	Detected	84426.7	Detected	71026.8	Detected	Ndufa12	1.069972387	1.27183314	0.94915771	1.1282256
A_55_P2016	2499.2	Detected	1987.2	Detected	2069.5	Detected	2673.6	Detected	Csnk1g1	1.06978233	0.82806498	1.34541063	1.0414151
A_52_P6422	8.6	Not Detect	5.2	Not Detect	31.6	Detected	9.2	Not Detect	Pik3ap1	1.069767442	3.6744186	1.76923077	6.0769231
A_55_P1982	17.2	Detected	16.5	Detected	17.9	Detected	18.4	Not Detect	Ap3b2	1.069767442	1.04069767	1.11515152	1.0848485
A_55_P2092	7638.8	Detected	12945.4	Detected	6268.6	Detected	8171.6	Detected	Fbxo2	1.069749175	0.82062628	0.63123581	0.4842338
A_51_P1310	61343.6	Detected	69300.4	Detected	64134.6	Detected	65621.8	Detected	Ngdn	1.069741587	1.04549782	0.94691806	0.9254579
A_55_P1958	155	Detected	142.8	Detected	125.2	Detected	165.8	Detected	P2rx1	1.069677419	0.80774194	1.16106443	0.8767507
A_66_P1137	24.4	Detected	29.5	Detected	28.3	Detected	26.1	Not Detect	Nespos	1.069672131	1.15983607	0.88474576	0.959322
A_55_P1966	51865.9	Detected	47875	Detected	59127.1	Detected	55477.1	Detected	Impdh2	1.069625708	1.1399995	1.1587906	1.2350308
A_55_P2003	4919.5	Detected	4734.6	Detected	4495	Detected	5262	Detected	Tstd2	1.069620896	0.91371074	1.11139273	0.9493938
A_55_P2060	129.3	Detected	121.4	Detected	97.9	Detected	138.3	Detected	Ermn	1.069605568	0.75715391	1.13920923	0.806425
A_55_P2157	15075	Detected	14571.3	Detected	10881.6	Detected	16123.8	Detected	2510039O18Rik	1.069572139	0.72183085	1.10654506	0.7467831
A_55_P2046	665.5	Detected	718.5	Detected	665.4	Detected	711.8	Detected	Zfp81	1.069571751	0.99984974	0.99067502	0.926096
A_55_P2127	12963.7	Detected	10800.8	Detected	12625.7	Detected	13864	Detected	Spsb2	1.069447766	0.9739272	1.28360862	1.1689597

A_55_P2147	860.4 Detected	972.3 Detected	820.7 Detected	920.1 Detected	Dnaja1	1.069386332	0.95385867	0.94631287	0.844081
A_51_P4315	2946.9 Detected	3437.3 Detected	3423.8 Detected	3151.3 Detected	Ten1	1.069361023	1.16183108	0.91679516	0.9960725
A_55_P2025	1216 Detected	1017.2 Detected	1083.5 Detected	1300.3 Detected	Ccn2	1.069325658	0.89103618	1.27831302	1.0651789
A_55_P2033	6625.2 Detected	4891.7 Detected	9051.2 Detected	7084.4 Detected	Plekha8	1.069311115	1.36617762	1.44824907	1.8503179
A_55_P1991	19961.7 Detected	21092.9 Detected	18676.5 Detected	21344.8 Detected	Hmmr	1.069287686	0.93561671	1.01194241	0.8854401
A_55_P1990	9148.9 Detected	10239.9 Detected	10614.1 Detected	9782.8 Detected	Chchd6	1.069287018	1.1601504	0.95536089	1.0365433
A_51_P3438	1619.9 Detected	1467 Detected	1532.7 Detected	1732.1 Detected	Slc35f6	1.069263535	0.94616952	1.18070893	1.0447853
A_51_P1445	41.9 Detected	49.1 Detected	42.8 Detected	44.8 Not Detect	Sntb1	1.069212411	1.02147971	0.91242363	0.8716904
A_55_P2130	308926.9 Detected	280710.7 Detected	350142.2 Detected	330283.1 Detected	Gm12508	1.06913027	1.13341441	1.17659605	1.2473418
A_55_P2160	143.3 Detected	75.7 Detected	91.8 Detected	153.2 Detected	Kalrn	1.069085834	0.6406141	2.02377807	1.2126816
A_55_P2008	30.4 Detected	28.5 Detected	24.9 Detected	32.5 Not Detect	Gm6268	1.069078947	0.81907895	1.14035088	0.8736842
A_55_P2142	628.7 Detected	609.9 Detected	650.1 Detected	672.1 Detected	1700037C18Rik	1.069031334	1.03403849	1.10198393	1.0659124
A_55_P2123	103 Detected	98.6 Detected	107.8 Detected	110.1 Detected	Zfhx2	1.068932039	1.04660194	1.11663286	1.0933063
A_51_P3945	131172.2 Detected	124172.1 Detected	159287.4 Detected	140209.9 Detected	Tkt	1.068899508	1.2143381	1.12915784	1.2827954
A_51_P4142	3658.9 Detected	4620.2 Detected	3200.2 Detected	3910.9 Detected	Pomgnt2	1.068873159	0.87463445	0.84647851	0.692654
A_55_P1982	3798.9 Detected	4097.2 Detected	5075.7 Detected	4060.5 Detected	Odc1	1.068862039	1.33609729	0.99104266	1.2388216
A_55_P1981	668.2 Detected	1033.4 Detected	617.9 Detected	714.2 Detected	Syt8	1.068841664	0.92472314	0.6911167	0.5979292
A_55_P2091	24.7 Detected	35.4 Detected	14.1 Not Detect	26.4 Not Detect	Emilin3	1.068825911	0.5708502	0.74576271	0.3983051
A_55_P1952	18193.8 Detected	14761.4 Detected	17707.3 Detected	19444.5 Detected	Son	1.068743198	0.97326012	1.31725311	1.1995678
A_65_P1185	29.1 Detected	35.8 Detected	28.8 Detected	31.1 Not Detect	Arhgap28	1.068728522	0.98969072	0.86871508	0.8044693
A_51_P1218	13.1 Detected	12.8 Not Detect	12.9 Not Detect	14 Not Detect	Rac2	1.06870229	0.98473282	1.09375	1.0078125
A_55_P2143	438.3 Detected	380.6 Detected	330.9 Detected	468.4 Detected	Slc18a2	1.068674424	0.75496235	1.23068839	0.8694167
A_51_P3948	49.6 Detected	38.6 Detected	49.9 Detected	53 Detected	Svep1	1.068548387	1.00604839	1.37305699	1.2927461
A_51_P1892	4255.3 Detected	3825 Detected	4754.2 Detected	4546.7 Detected	Tmcc3	1.068479308	1.11724203	1.18867974	1.2429281
A_51_P1598	3350.1 Detected	2614.6 Detected	3662.5 Detected	3579.4 Detected	Smpd4	1.068445718	1.09325095	1.36900482	1.4007879
A_52_P4609	26202 Detected	24234 Detected	24768.1 Detected	27994.8 Detected	BC048507	1.068422258	0.94527517	1.15518693	1.0220393
A_55_P1974	17406.1 Detected	16000 Detected	17406.9 Detected	18597 Detected	Gxyt2	1.068418543	1.00004596	1.1623125	1.0879313
A_55_P2047	2196.3 Detected	2045.2 Detected	1057.4 Detected	2346.5 Detected	Katnal1	1.068387743	0.48144607	1.14732056	0.5170155
A_51_P1593	260.4 Detected	279.1 Detected	221.3 Detected	278.2 Detected	Sub1	1.068356375	0.84984639	0.99677535	0.7929058
A_51_P4606	976.1 Detected	925.2 Detected	541.5 Detected	1042.8 Detected	Hoxb3	1.068333163	0.55475873	1.12710765	0.5852789
A_55_P2401	529.9 Detected	506.3 Detected	587.8 Detected	566.1 Detected	4930558N01Rik	1.068314776	1.1092659	1.11811179	1.1609718
A_52_P6165	77.6 Detected	398.1 Detected	67.8 Detected	82.9 Detected	Lgr6	1.068298969	0.87371134	0.20823914	0.170309
A_66_P1171	1028.1 Detected	1004.7 Detected	902.3 Detected	1098.3 Detected	Rad54l2	1.068281296	0.87763836	1.09316214	0.898079
A_55_P2037	773.3 Detected	660.5 Detected	681.2 Detected	826.1 Detected	Ino80	1.068278805	0.88090004	1.25071915	1.0313399
A_55_P2002	134.8 Detected	113.2 Detected	150.9 Detected	144 Detected	Sumo3	1.068249258	1.1194362	1.27208481	1.3330389
A_55_P2189	102.6 Detected	49.1 Detected	54.5 Detected	109.6 Detected	A630073K07Rik	1.068226121	0.53118908	2.23217923	1.1099796
A_51_P2745	17664 Detected	13429.8 Detected	17627.1 Detected	18868.5 Detected	Tex264	1.068189538	0.99791101	1.40497252	1.3125363
A_55_P2166	52.8 Detected	45.9 Detected	57.9 Detected	56.4 Detected	Foxi3	1.068181818	1.09659091	1.22875817	1.2614379
A_55_P2156	22 Detected	21.8 Detected	26 Detected	23.5 Not Detect	B930054O08	1.068181818	1.18181818	1.07798165	1.1926606
A_51_P4134	5755.5 Detected	5761.7 Detected	6135 Detected	6147.9 Detected	Parg	1.068178264	1.06593693	1.06702883	1.0647899

A_51_P2146	799.6	Detected	625	Detected	892.1	Detected	854.1	Detected	Tpmt	1.06815908	1.11568284	1.36656	1.42736
A_52_P9324	118.9	Detected	95.9	Detected	175.1	Detected	127	Detected	Gm10941	1.068124474	1.47266611	1.32429614	1.8258603
A_51_P2868	3603.9	Detected	3035.6	Detected	3337.7	Detected	3849.4	Detected	Wdr33	1.068120647	0.92613558	1.26808539	1.099519
A_55_P2045	541.8	Detected	580.3	Detected	559.4	Detected	578.7	Detected	Spata32	1.068106312	1.03248431	0.99724281	0.9639841
A_55_P1966	144660.3	Detected	186386.6	Detected	177026.9	Detected	154511.9	Detected	Eif3h	1.068101615	1.2237421	0.8289861	0.9497834
A_52_P6417	3076.6	Detected	5986.4	Detected	3725	Detected	3286.1	Detected	Ggct	1.06809465	1.21075213	0.54892757	0.6222438
A_55_P2013	788.7	Detected	767	Detected	698.6	Detected	842.4	Detected	Gm4402	1.068086725	0.88576138	1.09830508	0.9108214
A_55_P1965	28117.1	Detected	24720.8	Detected	33897.3	Detected	30031	Detected	Gm4889	1.068068898	1.20557597	1.21480696	1.3712056
A_52_P6382	229.7	Detected	216.9	Detected	141.7	Detected	245.3	Detected	Fam71f1	1.067914671	0.6168916	1.13093592	0.6532964
A_55_P2023	3847.8	Detected	3344.4	Detected	4274.1	Detected	4108.9	Detected	Arpc3	1.067856957	1.11079058	1.22859108	1.2779871
A_55_P1953	4008.8	Detected	3927	Detected	4072.9	Detected	4280.7	Detected	Top3a	1.067825783	1.01598982	1.09006875	1.037153
A_51_P5126	228.6	Detected	172.6	Detected	294.7	Detected	244.1	Detected	Syngn4	1.067804024	1.28915136	1.41425261	1.707416
A_52_P6593	218.3	Detected	737.1	Detected	3.4	Not Detect	233.1	Detected	Spsb4	1.06779661	0.0155749	0.31623932	0.0046127
A_55_P2174	2343.2	Detected	1307.9	Detected	2241.2	Detected	2502	Detected	Cerk	1.06777057	0.95646978	1.91299029	1.7135867
A_55_P1997	341	Detected	329.7	Detected	258.4	Detected	364.1	Detected	AI314180	1.067741935	0.75777126	1.10433728	0.7837428
A_55_P2121	144.7	Detected	152.8	Detected	100.8	Detected	154.5	Detected	Fbn2	1.06772633	0.69661368	1.01112565	0.6596859
A_66_P1146	2519.4	Detected	2232.2	Detected	3525.8	Detected	2690	Detected	Cdc25c	1.067714535	1.39946019	1.20508915	1.579518
A_55_P2044	338228.3	Detected	334977.4	Detected	368398	Detected	361119.8	Detected	Gm8210	1.067680617	1.08919922	1.07804228	1.0997697
A_55_P2024	191302.5	Detected	209337.9	Detected	219448.2	Detected	204248.9	Detected	Rpl34	1.067675017	1.14712667	0.97569002	1.0482966
A_51_P3147	7490.4	Detected	9948.2	Detected	7868.6	Detected	7997.2	Detected	Rabggtb	1.067659938	1.0504913	0.80388412	0.7909572
A_55_P2159	134.5	Detected	130	Detected	168.3	Detected	143.6	Detected	Zfp58	1.067657993	1.25130112	1.10461538	1.2946154
A_55_P2152	124035.3	Detected	129502	Detected	139276	Detected	132424	Detected	Atp5h	1.067631553	1.12287389	1.02256336	1.0754737
A_55_P2088	6583.9	Detected	5904.8	Detected	6531.2	Detected	7029	Detected	Acad10	1.067604307	0.99199563	1.19038748	1.1060832
A_55_P1986	317339	Detected	293929.3	Detected	334389.8	Detected	338768	Detected	Tagln2	1.067527156	1.05373055	1.15254927	1.1376539
A_55_P2153	2695.4	Detected	3174.1	Detected	3477.9	Detected	2877.3	Detected	Pycrl	1.067485345	1.29030942	0.90649318	1.0957122
A_55_P2405	99.3	Detected	71.8	Detected	56.6	Detected	106	Detected	E230008O15Rik	1.067472306	0.56998993	1.47632312	0.7883008
A_55_P2258	5066.1	Detected	4718.8	Detected	5893.2	Detected	5407.7	Detected	C030009H01Rik	1.067428594	1.16326168	1.14599051	1.2488768
A_55_P2088	2933.3	Detected	2378.6	Detected	3057.1	Detected	3130.8	Detected	Ctdsp2	1.067330311	1.04220503	1.31623644	1.2852518
A_55_P2387	133.7	Detected	123.2	Detected	136.1	Detected	142.7	Detected	2700005E23Rik	1.067314884	1.01795064	1.15827922	1.1047078
A_55_P1975	57370.1	Detected	56945.3	Detected	70535.5	Detected	61229.8	Detected	Dap3	1.067277205	1.22948191	1.07523887	1.2386536
A_55_P2020	321.7	Detected	346.8	Detected	310.6	Detected	343.3	Detected	Haus6	1.067143301	0.9654958	0.98990773	0.8956171
A_55_P2100	55351.3	Detected	49675	Detected	62674.9	Detected	59067.3	Detected	Tma7	1.067134828	1.13231126	1.18907499	1.261699
A_51_P5024	14.9	Detected	8.4	Not Detect	11.7	Not Detect	15.9	Not Detect	Olf1232	1.067114094	0.7852349	1.89285714	1.3928571
A_55_P2138	1377.1	Detected	1079.7	Detected	1158	Detected	1469.5	Detected	Mplkip	1.067097524	0.84089754	1.36102621	1.0725201
A_55_P2088	9360.2	Detected	4726.9	Detected	9556.5	Detected	9988.2	Detected	Cdc42ep4	1.067092583	1.02097177	2.11305507	2.0217267
A_55_P2045	118297.5	Detected	133137.6	Detected	135704	Detected	126231.6	Detected	Rpl34-ps1	1.067069042	1.14714174	0.94812885	1.0192763
A_55_P2078	620.8	Detected	555.2	Detected	637.7	Detected	662.3	Detected	Gm10183	1.066849227	1.02722294	1.19290346	1.1485951
A_55_P2279	115.2	Detected	109.1	Detected	93.5	Detected	122.9	Detected	6330415B21Rik	1.066840278	0.81163194	1.12648946	0.8570119
A_55_P2170	1703.2	Detected	1476.1	Detected	1617.4	Detected	1817	Detected	Lrrc27	1.066815406	0.94962424	1.23094641	1.0957252
A_55_P2000	10106.8	Detected	11858.8	Detected	11504.2	Detected	10781.4	Detected	Gm15645	1.066747141	1.13826335	0.90914764	0.9700982

A_55_P2027	3592.2	Detected	2630.5	Detected	3895	Detected	3831.8	Detected	Baiap2	1.066700072	1.08429375	1.45668124	1.4807071
A_55_P2133	5269.2	Detected	4239.5	Detected	4581.1	Detected	5620.6	Detected	Hnrnp2	1.066689441	0.86941092	1.32576955	1.0805755
A_55_P2261	18	Detected	16.5	Detected	5.4	Not Detect	19.2	Not Detect	AI661323	1.066666667	0.3	1.16363636	0.3272727
A_55_P2059	27	Detected	27.9	Detected	24.9	Detected	28.8	Not Detect	AU022751	1.066666667	0.92222222	1.03225806	0.8924731
A_55_P2128	15459.4	Detected	15429.1	Detected	14573.4	Detected	16487.8	Detected	Sfpq	1.066522633	0.94268859	1.06861709	0.9445399
A_52_P4242	798.5	Detected	735.2	Detected	881	Detected	851.6	Detected	Gatc	1.066499687	1.10331872	1.15832427	1.1983134
A_55_P2041	33.1	Detected	35.8	Detected	35.6	Detected	35.3	Not Detect	Akap4	1.066465257	1.0755287	0.98603352	0.9944134
A_52_P4257	5768.6	Detected	4264.9	Detected	5787.8	Detected	6151.5	Detected	Rnf168	1.066376591	1.00332836	1.44235504	1.3570775
A_51_P1494	7113.7	Detected	5900.7	Detected	9386.4	Detected	7585.6	Detected	Acadl	1.066336787	1.31948213	1.28554239	1.5907265
A_55_P1968	211.1	Detected	217.2	Detected	213.2	Detected	225.1	Detected	Trp53	1.06631928	1.00994789	1.03637201	0.9815838
A_65_P1620	425.3	Detected	433.4	Detected	311.5	Detected	453.5	Detected	Baz1a	1.066306137	0.73242417	1.04637748	0.7187356
A_55_P1978	1745.8	Detected	2764.5	Detected	2541.2	Detected	1861.5	Detected	Hnrnpa2b1	1.066273342	1.45560774	0.67335865	0.9192259
A_55_P2019	803	Detected	540.4	Detected	562.8	Detected	856.2	Detected	Fmn1	1.066251557	0.70087173	1.58438194	1.0414508
A_55_P2050	3729.7	Detected	4033.4	Detected	4155.7	Detected	3976.7	Detected	Dlgap5	1.066225166	1.1142183	0.98594238	1.0303218
A_55_P2090	222	Detected	202.1	Detected	247.6	Detected	236.7	Detected	Tpm3	1.066216216	1.11531532	1.17120238	1.2251361
A_55_P2091	948.5	Detected	757.3	Detected	695.5	Detected	1011.3	Detected	Wdr26	1.066209805	0.73326305	1.33540209	0.9183943
A_55_P1968	2573.2	Detected	2682	Detected	2189.2	Detected	2743.5	Detected	Shc4	1.066182186	0.85076947	1.02293065	0.8162565
A_55_P2085	100987.9	Detected	98426	Detected	129821.2	Detected	107670.4	Detected	Eef1g	1.066171294	1.28551242	1.09392234	1.3189726
A_55_P1961	17888.8	Detected	15754.3	Detected	21807.1	Detected	19072.5	Detected	Bnip3l	1.066169894	1.21903649	1.21062186	1.3841999
A_55_P2131	62006.7	Detected	64079.2	Detected	67718.3	Detected	66109.2	Detected	LOC100046079	1.066162205	1.09211263	1.03167955	1.0567907
A_55_P2139	130	Detected	122.6	Detected	95.8	Detected	138.6	Detected	Lcn6	1.066153846	0.73692308	1.13050571	0.7814029
A_55_P2429	726.5	Detected	652.4	Detected	488.2	Detected	774.5	Detected	2610301B20Rik	1.0660702	0.67198899	1.18715512	0.7483139
A_51_P4327	195.4	Detected	237.4	Detected	128.6	Detected	208.3	Detected	Tmem231	1.066018424	0.65813715	0.87742207	0.5417018
A_55_P1970	7566.8	Detected	6780.8	Detected	6722.7	Detected	8066.3	Detected	Pef1	1.066012053	0.8884469	1.1895794	0.9914317
A_51_P2796	46490.6	Detected	36000	Detected	52814	Detected	49554.2	Detected	Pagr1a	1.065897192	1.13601459	1.37650556	1.4670556
A_52_P2343	1033.5	Detected	600.6	Detected	1029.9	Detected	1101.6	Detected	Hic2	1.065892598	0.99651669	1.83416583	1.7147852
A_51_P5019	2048.9	Detected	1864.8	Detected	1860.3	Detected	2183.8	Detected	Plxna1	1.065840207	0.90795061	1.17106392	0.9975869
A_55_P1963	61596	Detected	48123.5	Detected	68229.7	Detected	65648.9	Detected	Atp5j	1.065798104	1.10769693	1.36417551	1.4178042
A_52_P1033	28211.4	Detected	19581.1	Detected	27798.3	Detected	30064.8	Detected	B4galt1	1.065696846	0.98535698	1.53539893	1.4196496
A_55_P1982	126299.5	Detected	111797.4	Detected	111698.3	Detected	134594.6	Detected	Dnajc5	1.065678011	0.88439226	1.2039153	0.9991136
A_55_P1956	333576.1	Detected	333920.7	Detected	327319.8	Detected	355482	Detected	Pbld1	1.065669873	0.98124476	1.06457012	0.9802321
A_51_P4187	111.3	Detected	122.1	Detected	60.5	Detected	118.6	Detected	Rbm33	1.0655885	0.54357592	0.97133497	0.4954955
A_55_P1961	650	Detected	673.7	Detected	601.6	Detected	692.5	Detected	LOC101055913	1.065384615	0.92553846	1.0279056	0.8929791
A_55_P2286	93.3	Detected	86.7	Detected	79.3	Detected	99.4	Detected	9430099O15Rik	1.065380493	0.84994641	1.14648212	0.9146482
A_55_P2061	197.4	Detected	225.4	Detected	192.1	Detected	210.3	Detected	Gm4303	1.065349544	0.97315096	0.93300799	0.8522626
A_55_P2074	915.4	Detected	791.8	Detected	650.7	Detected	975.2	Detected	Lin28a	1.065326633	0.71083679	1.23162415	0.8217984
A_55_P2153	173.4	Detected	151.1	Detected	143.7	Detected	184.7	Detected	Tlhc2	1.065167243	0.82871972	1.22236929	0.9510258
A_55_P2144	3397.5	Detected	2948.9	Detected	3616.7	Detected	3618.9	Detected	Ccdc163	1.065165563	1.06451803	1.22720336	1.2264573
A_55_P2083	313.5	Detected	289.2	Detected	252.5	Detected	333.9	Detected	Adam33	1.06507177	0.80542265	1.15456432	0.8730982
A_52_P7640	759.5	Detected	543	Detected	443.8	Detected	808.9	Detected	Ago1	1.065042791	0.5843318	1.48968692	0.8173112

A_52_P3698	204.5	Detected	219.2	Detected	205.3	Detected	217.8	Detected	Fam222b	1.065036675	1.00391198	0.99361314	0.9365876
A_66_P1058	26297.9	Detected	18370.4	Detected	20480.2	Detected	28008.2	Detected	Cyth2	1.065035611	0.77877701	1.52463746	1.1148478
A_55_P1990	764.3	Detected	687.7	Detected	956	Detected	814	Detected	Mark2	1.065026822	1.25081774	1.18365566	1.390141
A_55_P2120	1680.8	Detected	1556.6	Detected	1516.6	Detected	1789.9	Detected	Pdcd7	1.064909567	0.90230842	1.14987794	0.974303
A_55_P2146	18.5	Detected	15.2	Not Detect	13.4	Not Detect	19.7	Not Detect	Zfp763	1.064864865	0.72432432	1.29605263	0.8815789
A_55_P1986	18412	Detected	14942.6	Detected	20823	Detected	19605.5	Detected	Tma7-ps	1.064821855	1.13094721	1.31205413	1.3935326
A_51_P3299	42717.4	Detected	37699	Detected	45017.2	Detected	45484.3	Detected	Phlda3	1.064772201	1.05383755	1.20651211	1.1941219
A_55_P2072	111.2	Detected	86.8	Detected	71	Detected	118.4	Detected	Gm10648	1.064748201	0.63848921	1.3640553	0.8179724
A_51_P1089	4016.3	Detected	3317.5	Detected	4596.8	Detected	4276.3	Detected	Iars2	1.0647362	1.14453602	1.28901281	1.3856217
A_55_P2085	15083.4	Detected	11201.4	Detected	17455.4	Detected	16059	Detected	Gm561	1.064680377	1.15725897	1.43366008	1.5583231
A_51_P3433	97.5	Detected	96.1	Detected	147.7	Detected	103.8	Detected	Amn	1.064615385	1.51487179	1.08012487	1.5369407
A_55_P2383	614.6	Detected	372	Detected	430.6	Detected	654.3	Detected	4930422N03Rik	1.064594858	0.70061829	1.75887097	1.1575269
A_52_P3063	16955.3	Detected	10556	Detected	6921.5	Detected	18050	Detected	Akap2	1.064563883	0.40822044	1.709928	0.6556934
A_52_P6327	858.1	Detected	696.6	Detected	777.4	Detected	913.5	Detected	Shisa5	1.06456124	0.90595502	1.31136951	1.115992
A_55_P1976	349	Detected	289.2	Detected	255.9	Detected	371.5	Detected	Tmem104	1.064469914	0.73323782	1.28457815	0.8848548
A_55_P2104	1203.1	Detected	1208.7	Detected	1459.8	Detected	1280.5	Detected	Rsl24d1	1.064333804	1.21336547	1.05940266	1.2077439
A_55_P2087	547.8	Detected	459.5	Detected	581.5	Detected	583	Detected	Hipk1	1.064257028	1.0615188	1.2687704	1.265506
A_51_P3633	24.9	Detected	36.7	Detected	25.7	Detected	26.5	Not Detect	Prss41	1.064257028	1.03212851	0.72207084	0.7002725
A_55_P1963	868.5	Detected	727.8	Detected	759.2	Detected	924.3	Detected	Vsig10	1.064248705	0.87415083	1.26999176	1.0431437
A_55_P2086	336938	Detected	318279.8	Detected	374730.4	Detected	358574.6	Detected	Gm8580	1.064215375	1.11216426	1.12660181	1.1773616
A_55_P2430	7519.1	Detected	8176.9	Detected	7806.5	Detected	8001.9	Detected	Ilf2	1.064209812	1.03822266	0.97859825	0.9547017
A_51_P4144	7405.5	Detected	8610.2	Detected	6387.2	Detected	7880.9	Detected	Naa15	1.06419553	0.86249409	0.91529813	0.7418178
A_55_P2006	88192	Detected	54019	Detected	113937	Detected	93848.5	Detected	Ugdh	1.064138471	1.2919199	1.7373239	2.1092023
A_55_P1959	187.1	Detected	166.7	Detected	145.4	Detected	199.1	Detected	Hspg2	1.064136825	0.77712453	1.19436113	0.8722256
A_55_P1960	652.1	Detected	285	Detected	575.4	Detected	693.9	Detected	1190002N15Rik	1.064100598	0.88238	2.43473684	2.0189474
A_55_P2023	35240.3	Detected	33238	Detected	40006	Detected	37499.2	Detected	Arpc3	1.064099908	1.13523438	1.12820266	1.2036224
A_55_P2125	187.4	Detected	167.1	Detected	169.7	Detected	199.4	Detected	Atp2b4	1.064034152	0.90554963	1.19329743	1.0155595
A_51_P1336	39585.5	Detected	53935.1	Detected	33858.1	Detected	42118.9	Detected	Cdt1	1.063998181	0.85531571	0.78091818	0.6277563
A_52_P2195	34.4	Detected	25.2	Detected	29.4	Detected	36.6	Not Detect	A930002H24Rik	1.063953488	0.85465116	1.45238095	1.1666667
A_55_P2000	48.6	Detected	47.6	Detected	44.8	Detected	51.7	Not Detect	Aqp4	1.063786008	0.9218107	1.08613445	0.9411765
A_55_P2006	194406.6	Detected	187202	Detected	192020.8	Detected	206803.9	Detected	LOC101055815	1.063769954	0.98772778	1.10470989	1.0257412
A_55_P2183	221253.5	Detected	227582.8	Detected	228045.7	Detected	235342.2	Detected	Pebp1	1.063676733	1.03069872	1.03409484	1.002034
A_55_P2047	125033.5	Detected	104597.2	Detected	134851.8	Detected	132994.5	Detected	Serpinh6c	1.063670936	1.07852536	1.27149197	1.2892487
A_55_P2008	43541.5	Detected	38954.9	Detected	51225.7	Detected	46313.3	Detected	Rhoa	1.063658808	1.17647991	1.18889536	1.3150002
A_55_P2073	2059.6	Detected	1180	Detected	3256.3	Detected	2190.6	Detected	Abcc5	1.063604583	1.58103515	1.85644068	2.7595763
A_51_P2148	608.7	Detected	693.4	Detected	594.9	Detected	647.4	Detected	Orc5	1.063578117	0.97732873	0.93366022	0.8579464
A_51_P2824	4118.1	Detected	3736.6	Detected	4294	Detected	4379.9	Detected	Eapp	1.063573007	1.04271387	1.17216186	1.149173
A_55_P2067	3572	Detected	3418.9	Detected	3721.6	Detected	3799	Detected	Ush1g	1.063549832	1.0418813	1.11117611	1.0885372
A_55_P2041	521.1	Detected	507.4	Detected	578.1	Detected	554.2	Detected	Lrp6	1.063519478	1.109384	1.09223492	1.1393378
A_55_P1968	13970.5	Detected	19144	Detected	13767.2	Detected	14857.7	Detected	Mrto4	1.063505243	0.98544791	0.77610217	0.7191392

A_55_P1985	152059.4	Detected	158695.1	Detected	107540.6	Detected	161715.3	Detected	Actg1	1.063500842	0.70722757	1.01903146	0.6776555
A_52_P4839	342	Detected	370.7	Detected	329	Detected	363.7	Detected	Cpsf4	1.063450292	0.9619883	0.98111681	0.8875101
A_52_P6682	772.5	Detected	811.4	Detected	784.6	Detected	821.5	Detected	Plk4	1.063430421	1.01566343	1.01244762	0.9669707
A_55_P2037	700	Detected	596.4	Detected	739.6	Detected	744.4	Detected	1700019O17Rik	1.063428571	1.05657143	1.2481556	1.2401073
A_51_P4250	66342.7	Detected	62540.4	Detected	66206.9	Detected	70549.4	Detected	Hdgf	1.063408634	0.99795305	1.12806122	1.0586261
A_55_P2042	55.2	Detected	50.9	Detected	46	Detected	58.7	Detected	Aatk	1.063405797	0.83333333	1.15324165	0.9037328
A_51_P2554	54189.3	Detected	44715.3	Detected	68900.4	Detected	57618.8	Detected	Mrpl43	1.063287402	1.2714761	1.28857013	1.5408686
A_51_P1800	108332.4	Detected	101598.3	Detected	128815.2	Detected	115184.7	Detected	Shfm1	1.063252545	1.18907363	1.13372665	1.2678874
A_66_P1038	25.3	Detected	19.4	Detected	18.3	Detected	26.9	Not Detect	Zdhhc22	1.063241107	0.72332016	1.38659794	0.943299
A_55_P2059	114	Detected	99.8	Detected	89.5	Detected	121.2	Detected	Gon4l	1.063157895	0.78508772	1.21442886	0.8967936
A_52_P4238	1667.6	Detected	1515.8	Detected	2228.1	Detected	1772.9	Detected	Tmem106c	1.063144639	1.33611178	1.16961341	1.4699169
A_51_P3582	63.5	Detected	72.8	Detected	73.2	Detected	67.5	Detected	Nr1i3	1.062992126	1.15275591	0.9271978	1.0054945
A_55_P2063	47101.7	Detected	59798.9	Detected	51521.9	Detected	50066.3	Detected	Nhp211	1.062940403	1.09384375	0.8372445	0.8615861
A_55_P1976	20722.2	Detected	23651	Detected	17333.5	Detected	22026.4	Detected	4932431P20Rik	1.062937333	0.83647007	0.93130946	0.7328866
A_51_P1025	1971.3	Detected	1913.4	Detected	1786.9	Detected	2095.1	Detected	Vps33a	1.062801197	0.90645767	1.09496185	0.9338873
A_51_P3569	728.1	Detected	835	Detected	606	Detected	773.8	Detected	Orc1	1.062766104	0.83230326	0.92670659	0.7257485
A_55_P2045	3930.1	Detected	3111.2	Detected	3338	Detected	4176.7	Detected	Enthd2	1.062746495	0.84934226	1.34247236	1.0728979
A_51_P1284	111.8	Detected	81.2	Detected	86.6	Detected	118.8	Detected	Dennd3	1.062611807	0.7745975	1.46305419	1.0665025
A_51_P1387	94.4	Detected	64.5	Detected	92.4	Detected	100.3	Detected	Prm2	1.0625	0.97881356	1.55503876	1.4325581
A_55_P2022	11.2	Not Detect	18.1	Detected	17	Detected	11.9	Not Detect	Mtf2	1.0625	1.51785714	0.65745856	0.9392265
A_55_P2154	13239.5	Detected	10545.5	Detected	12316.6	Detected	14066.1	Detected	Zc3hav1	1.062434382	0.93029193	1.33384856	1.1679484
A_55_P2041	9551.3	Detected	9827.8	Detected	10633.8	Detected	10146.8	Detected	Ezh2	1.062347534	1.11333536	1.03245894	1.0820123
A_55_P2179	1144.3	Detected	895.6	Detected	1312.7	Detected	1215.6	Detected	Zkscan8	1.062308835	1.14716421	1.35730237	1.4657213
A_55_P2003	4404.4	Detected	4035.5	Detected	3494.3	Detected	4678.8	Detected	Txlna	1.062301335	0.79336573	1.15941023	0.8658902
A_55_P2016	454.6	Detected	363.5	Detected	446.2	Detected	482.9	Detected	Rccd1	1.06225253	0.98152222	1.32847318	1.2275103
A_55_P2121	102137.1	Detected	108170	Detected	103863.8	Detected	108490.2	Detected	Gm6607	1.062201688	1.01690571	1.00296016	0.9601904
A_52_P2223	374.8	Detected	233.8	Detected	396.2	Detected	398.1	Detected	Vps13c	1.062166489	1.05709712	1.70273738	1.6946108
A_55_P2132	5111.5	Detected	4894.9	Detected	5160.3	Detected	5429.2	Detected	Fzr1	1.062153967	1.0095471	1.10915443	1.0542197
A_55_P1952	26628.7	Detected	29485.6	Detected	28026.7	Detected	28283.4	Detected	Rrp7a	1.062139721	1.05249975	0.95922756	0.9505216
A_55_P2047	29989.1	Detected	33450.1	Detected	31249.7	Detected	31852.3	Detected	LOC101055855	1.06212924	1.04203527	0.95223333	0.9342184
A_51_P3701	2131.3	Detected	2142	Detected	1956.8	Detected	2263.7	Detected	Ctr9	1.06212171	0.91812509	1.05681606	0.9135387
A_51_P2219	6220.4	Detected	6005.6	Detected	6293.9	Detected	6606.4	Detected	Csnk1g3	1.062053887	1.01181596	1.10003996	1.0480052
A_55_P1979	19702.7	Detected	21881.7	Detected	18936.9	Detected	20925.3	Detected	Ublcp1	1.062052409	0.96113223	0.95629224	0.8654218
A_55_P2097	400689.6	Detected	414876.1	Detected	417070.4	Detected	425547.7	Detected	LOC101056557	1.062038296	1.04088152	1.02572238	1.005289
A_55_P2066	25049.5	Detected	19822.1	Detected	25939.5	Detected	26602.8	Detected	Sh3glb1	1.062009222	1.03552965	1.34207778	1.3086151
A_55_P2052	12254.8	Detected	14373.1	Detected	10154.3	Detected	13014.2	Detected	Gm5237	1.061967556	0.82859777	0.90545533	0.7064795
A_55_P2158	60464.6	Detected	56652.7	Detected	62589.7	Detected	64211.2	Detected	Hist1h4d	1.061963529	1.03514618	1.13341818	1.1047964
A_51_P1925	38818.9	Detected	43880.9	Detected	37932.2	Detected	41220.8	Detected	Pno1	1.061874499	0.97715803	0.93937909	0.8644353
A_55_P2345	111.7	Detected	162.7	Detected	158.5	Detected	118.6	Detected	Sat2	1.061772605	1.41897941	0.72894899	0.9741856
A_55_P2155	8904	Detected	8163	Detected	7181.7	Detected	9453.6	Detected	Ccdc23	1.061725067	0.80657008	1.15810364	0.8797868

A_51_P2785	7977.8	Detected	8589.5	Detected	10215.9	Detected	8469.9	Detected	Myg1	1.061683672	1.280541	0.98607602	1.1893475
A_52_P2961	950.5	Detected	791.9	Detected	918	Detected	1009.1	Detected	Cstf1	1.061651762	0.96580747	1.27427706	1.1592373
A_55_P2114	73	Detected	84.7	Detected	57.1	Detected	77.5	Detected	Arntl2	1.061643836	0.78219178	0.9149941	0.674144
A_52_P7166	92.5	Detected	120.1	Detected	108.7	Detected	98.2	Detected	Dnajc27	1.061621622	1.17513514	0.81765196	0.9050791
A_55_P2090	143	Detected	158.9	Detected	85.6	Detected	151.8	Detected	Mrpl39	1.061538462	0.5986014	0.95531781	0.5387036
A_52_P2829	6496.4	Detected	4329.6	Detected	5647	Detected	6896.1	Detected	Yeats2	1.061526384	0.86925066	1.59277993	1.3042775
A_55_P2093	37.4	Detected	32.9	Detected	24.9	Detected	39.7	Not Detect	Dennd4a	1.061497326	0.6657754	1.20668693	0.7568389
A_55_P2158	506.1	Detected	471.9	Detected	484.8	Detected	537.2	Detected	Gdf3	1.061450306	0.95791346	1.13837677	1.0273363
A_55_P2089	3271.4	Detected	3650.8	Detected	2935.9	Detected	3472.4	Detected	Coq10b	1.061441585	0.89744452	0.951134	0.8041799
A_51_P1251	14833.4	Detected	13075.9	Detected	22233.3	Detected	15741.9	Detected	Cdca5	1.061246916	1.49886742	1.20388654	1.7003266
A_55_P2054	9457.5	Detected	8940.9	Detected	13176.6	Detected	10036.5	Detected	Clpb	1.061221253	1.39324346	1.122538	1.4737443
A_51_P5094	1897.3	Detected	2210.6	Detected	1749.2	Detected	2013.4	Detected	Kras	1.061192221	0.92194171	0.91079345	0.7912784
A_51_P4744	19312.3	Detected	20491.2	Detected	18198.3	Detected	20493.5	Detected	Utp11l	1.061163093	0.94231655	1.00011224	0.8881032
A_55_P2035	13543.8	Detected	15042.2	Detected	14538.3	Detected	14371.7	Detected	Srp19	1.061127601	1.07342843	0.9554254	0.9665009
A_55_P2035	219.4	Detected	247.6	Detected	326.2	Detected	232.8	Detected	Reg3d	1.061075661	1.48678213	0.94022617	1.3174475
A_55_P2100	5239.9	Detected	4679.9	Detected	5025.8	Detected	5559.9	Detected	Gm12216	1.061069868	0.95914044	1.18803821	1.0739118
A_55_P2146	771.6	Detected	910.4	Detected	652.4	Detected	818.7	Detected	Ropn1l	1.061041991	0.84551581	0.89927504	0.7166081
A_66_P1113	8.2	Not Detect	18.5	Detected	11.9	Not Detect	8.7	Not Detect	Rax	1.06097561	1.45121951	0.47027027	0.6432432
A_55_P2255	27.9	Detected	26.2	Detected	17.4	Not Detect	29.6	Not Detect	D7Bwg0826e	1.0609319	0.62365591	1.12977099	0.6641221
A_51_P5117	1561.1	Detected	1636.2	Detected	1361.5	Detected	1656.2	Detected	Snip1	1.060918583	0.87214144	1.01222344	0.832111
A_66_P1072	19.7	Detected	11.4	Not Detect	10.4	Not Detect	20.9	Not Detect	Gm14168	1.060913706	0.52791878	1.83333333	0.9122807
A_51_P1496	5135.9	Detected	3472.8	Detected	6044.7	Detected	5448.7	Detected	Stt3b	1.060904613	1.17695049	1.56896452	1.740584
A_55_P2015	59375.4	Detected	63963.3	Detected	59425.5	Detected	62989.5	Detected	0610010K14Rik	1.060868643	1.00084378	0.98477564	0.9290562
A_55_P2004	1597.3	Detected	1222.4	Detected	1246.6	Detected	1694.5	Detected	Gm7102	1.060852689	0.780442	1.38620746	1.0197971
A_51_P3999	1084.8	Detected	1095.4	Detected	1179.4	Detected	1150.8	Detected	Mier2	1.060840708	1.08720501	1.05057513	1.0766843
A_52_P4941	3875.7	Detected	2593.6	Detected	4585.6	Detected	4111.4	Detected	Usp46	1.060814821	1.18316691	1.58520975	1.7680444
A_51_P2587	14.8	Not Detect	19.4	Detected	15.6	Not Detect	15.7	Not Detect	4930415O20Rik	1.060810811	1.05405405	0.80927835	0.8041237
A_52_P6352	2119.7	Detected	1723	Detected	1924.9	Detected	2248.6	Detected	Btbd6	1.060810492	0.9081002	1.30504933	1.1171793
A_55_P2173	37109.9	Detected	34062.2	Detected	30799.5	Detected	39365.8	Detected	Dnase2a	1.060789708	0.82995373	1.15570339	0.9042135
A_55_P2024	16137.6	Detected	14009.6	Detected	16797.4	Detected	17118.3	Detected	Prkacb	1.060771118	1.04088588	1.22189784	1.1989921
A_52_P3301	4625.7	Detected	4560	Detected	4434.5	Detected	4906.8	Detected	Ppp1r8	1.060769181	0.95866572	1.07605263	0.9724781
A_55_P2011	8236.6	Detected	6032.4	Detected	8663.3	Detected	8737	Detected	9-Mar	1.060753223	1.05180536	1.4483456	1.4361282
A_51_P3974	85.6	Detected	118.8	Detected	98.6	Detected	90.8	Detected	Rundc3a	1.060747664	1.15186916	0.76430976	0.8299663
A_51_P4615	1150.7	Detected	620.4	Detected	798.5	Detected	1220.6	Detected	Eef2k	1.060745633	0.69392544	1.96744036	1.2870729
A_52_P1587	1819.6	Detected	1961.1	Detected	3455.4	Detected	1930	Detected	Dcbld1	1.060672675	1.89898879	0.98414155	1.7619703
A_51_P3639	102722.4	Detected	128567.6	Detected	114292.6	Detected	108950.4	Detected	Cct2	1.060629425	1.11263561	0.84741723	0.8889689
A_55_P2058	20830	Detected	27966.6	Detected	14559.8	Detected	22091.1	Detected	Sgpp1	1.060542487	0.69898224	0.78991011	0.5206139
A_52_P6449	4990.5	Detected	5683.7	Detected	6206	Detected	5292.5	Detected	Mzt1	1.060514978	1.24356277	0.9311716	1.0918944
A_55_P2112	600	Detected	852.4	Detected	371.3	Detected	636.3	Detected	Nhsl1	1.0605	0.61883333	0.74648053	0.4355936
A_52_P3819	1580.2	Detected	1376	Detected	1889.4	Detected	1675.7	Detected	Irf2bp1	1.060435388	1.19567143	1.21780523	1.3731105

A_55_P1955	67.9	Detected	73.5	Detected	73.1	Detected	72	Detected	Cmtm5	1.060382916	1.07658321	0.97959184	0.9945578
A_55_P2056	220.3	Detected	120	Detected	153.9	Detected	233.6	Detected	Akap13	1.06037222	0.69859283	1.94666667	1.2825
A_51_P4732	2386.9	Detected	2218.1	Detected	3169.8	Detected	2530.9	Detected	Siae	1.060329297	1.32799866	1.1410216	1.4290609
A_52_P3166	16027.7	Detected	14025.6	Detected	16822.7	Detected	16994.6	Detected	Ost4	1.060326809	1.04960163	1.21168435	1.1994282
A_55_P2094	2605	Detected	2695.1	Detected	3029.6	Detected	2762	Detected	Ssbp1	1.060268714	1.16299424	1.02482283	1.1241141
A_55_P2057	512.8	Detected	474.9	Detected	646.4	Detected	543.7	Detected	Zfp282	1.06025741	1.26053042	1.1448726	1.3611287
A_55_P2018	18.3	Detected	23.2	Detected	27.6	Detected	19.4	Not Detect	Hdhd2	1.06010929	1.50819672	0.8362069	1.1896552
A_51_P3368	68956.2	Detected	65164.2	Detected	77816.6	Detected	73100	Detected	Atp6v0e	1.060093219	1.12849316	1.12178159	1.1941618
A_55_P2166	168.1	Detected	160.4	Detected	143	Detected	178.2	Detected	Gpr6	1.060083284	0.85068412	1.11097257	0.8915212
A_51_P4043	1223.7	Detected	808.9	Detected	1264.5	Detected	1297.2	Detected	Rnd2	1.060063741	1.03334151	1.60365929	1.563234
A_55_P1953	1612.4	Detected	1416.6	Detected	1689.8	Detected	1709.2	Detected	Mccc2	1.060034731	1.04800298	1.2065509	1.1928561
A_55_P2368	131.6	Detected	195	Detected	87.3	Detected	139.5	Detected	3110035C09Rik	1.060030395	0.66337386	0.71538462	0.4476923
A_51_P3888	19470.7	Detected	15034.1	Detected	19856	Detected	20638.9	Detected	Tbcc	1.059997843	1.01978871	1.37280582	1.3207309
A_52_P3523	541.7	Detected	424.7	Detected	371.2	Detected	574.2	Detected	Gm7265	1.059996308	0.68525014	1.35201319	0.8740287
A_55_P2155	231924.8	Detected	244251.6	Detected	282409.6	Detected	245813.7	Detected	Rps27	1.059885359	1.21767745	1.00639545	1.1562242
A_55_P2016	806.6	Detected	913.9	Detected	353.8	Detected	854.9	Detected	Isl2	1.059880982	0.43863129	0.93544151	0.3871321
A_51_P1381	4948.3	Detected	4745.5	Detected	5063.8	Detected	5244.3	Detected	Angel2	1.059818524	1.02334135	1.1051101	1.0670741
A_55_P1961	2764.2	Detected	3583.8	Detected	3176.9	Detected	2929.5	Detected	Twistnb	1.059800304	1.14930179	0.81742843	0.8864613
A_51_P1164	963.3	Detected	799.2	Detected	812.5	Detected	1020.9	Detected	Xpo6	1.059794457	0.84345479	1.2774024	1.0166416
A_55_P2024	118.8	Detected	118.3	Detected	111.8	Detected	125.9	Detected	Ank2	1.05976431	0.94107744	1.06424345	0.9450549
A_55_P2174	30798.1	Detected	25772.1	Detected	32455.8	Detected	32638.6	Detected	Cuta	1.05976018	1.05382475	1.26643153	1.2593386
A_55_P2029	3054.2	Detected	3870.1	Detected	2539.3	Detected	3236.6	Detected	Gab3	1.05972104	0.83141248	0.83630914	0.6561329
A_55_P2022	28.5	Detected	21.5	Detected	32.8	Detected	30.2	Not Detect	Zfp646	1.059649123	1.15087719	1.40465116	1.5255814
A_55_P2148	5883	Detected	4996.1	Detected	6338.7	Detected	6233.9	Detected	Klh125	1.059646439	1.07746048	1.24775325	1.2687296
A_55_P2008	159.3	Detected	133.8	Detected	156.9	Detected	168.8	Detected	Gm10034	1.059635907	0.98493409	1.26158445	1.1726457
A_55_P2006	21.8	Detected	29.7	Detected	27.3	Detected	23.1	Not Detect	Olfr282	1.059633028	1.25229358	0.77777778	0.9191919
A_55_P2372	115.9	Detected	106.7	Detected	101	Detected	122.8	Detected	Lhx4	1.059534081	0.8714409	1.15089035	0.9465792
A_51_P1996	2776.8	Detected	2955.4	Detected	3401.6	Detected	2942.1	Detected	Ttll1	1.059528954	1.2250072	0.99549976	1.1509779
A_55_P2025	307.6	Detected	335.1	Detected	326.5	Detected	325.9	Detected	Gas1	1.059492848	1.06144343	0.97254551	0.974336
A_55_P2179	2162.4	Detected	2327.4	Detected	3390.1	Detected	2290.9	Detected	Mettl18	1.059424713	1.5677488	0.98431726	1.4566039
A_55_P2058	257.5	Detected	221.3	Detected	248.6	Detected	272.8	Detected	Scgb2b20	1.059417476	0.96543689	1.23271577	1.123362
A_51_P3445	78053	Detected	64847.6	Detected	72939.2	Detected	82688.6	Detected	Plk1	1.059390414	0.93448298	1.27512198	1.1247787
A_55_P2090	491.7	Detected	456.2	Detected	470.1	Detected	520.9	Detected	Thrap3	1.059385804	0.95607077	1.14182376	1.0304691
A_55_P2008	2516	Detected	2648.2	Detected	2389.6	Detected	2665.3	Detected	Cbll1	1.059340223	0.94976153	1.00645722	0.9023488
A_51_P1727	26626.9	Detected	33004.5	Detected	26848	Detected	28204.8	Detected	Gpatch4	1.059259621	1.00830363	0.85457438	0.8134648
A_52_P5127	1373.5	Detected	1122	Detected	1634.7	Detected	1454.8	Detected	Ears2	1.059191846	1.1901711	1.29661319	1.4569519
A_55_P2239	310.9	Detected	281.8	Detected	214.1	Detected	329.3	Detected	Gpatch8	1.059183017	0.68864587	1.16855926	0.7597587
A_55_P1976	37776.5	Detected	32513.1	Detected	33336.4	Detected	40009.1	Detected	Gm14378	1.059100234	0.88246397	1.23055322	1.0253221
A_55_P1958	265.7	Detected	228.7	Detected	234.5	Detected	281.4	Detected	Olfr1347	1.059089198	0.88257433	1.23043288	1.0253607
A_55_P2014	125.3	Detected	91.5	Detected	110.6	Detected	132.7	Detected	N28178	1.05905826	0.88268156	1.45027322	1.2087432

A_55_P1989	339432.8	Detected	381618.8	Detected	381370.7	Detected	359469.3	Detected	Rps12	1.059029357	1.12355288	0.9419591	0.9993499
A_66_P1020	108.5	Detected	95.4	Detected	55.8	Detected	114.9	Detected	Gm4123	1.058986175	0.51428571	1.20440252	0.5849057
A_55_P2110	2494.2	Detected	2475.2	Detected	3576	Detected	2641.3	Detected	Zfp637	1.058976826	1.43372624	1.06710569	1.4447317
A_55_P1966	7968.2	Detected	5607.3	Detected	5622.8	Detected	8437.8	Detected	Cdc14b	1.058934264	0.70565498	1.5047884	1.0027643
A_55_P2060	130168.5	Detected	120554.2	Detected	135453.5	Detected	137839.7	Detected	Pkm	1.058932845	1.04060122	1.14338364	1.1235901
A_55_P2077	7005.8	Detected	5955	Detected	6876	Detected	7418.6	Detected	Ube2v2	1.058922607	0.98147249	1.24577666	1.1546599
A_55_P2177	271.7	Detected	283.7	Detected	281.5	Detected	287.7	Detected	Tmem69	1.05888848	1.03606919	1.0140994	0.9922453
A_51_P3589	2049.8	Detected	2024.9	Detected	1923.3	Detected	2170.5	Detected	U2af2	1.058883794	0.93828666	1.07190479	0.9498247
A_52_P5073	1801.4	Detected	1375.3	Detected	1989	Detected	1907.4	Detected	Iah1	1.058843122	1.10414122	1.3868974	1.4462299
A_55_P1986	8.5	Not Detect	17.6	Detected	7.4	Not Detect	9	Not Detect	Gm8075	1.058823529	0.87058824	0.51136364	0.4204545
A_55_P2043	666.9	Detected	531.9	Detected	701.1	Detected	706.1	Detected	Rnf26	1.058779427	1.05128205	1.32750517	1.3181049
A_55_P2103	17331.8	Detected	11207	Detected	21047.1	Detected	18349.5	Detected	Tor1aip2	1.058718656	1.21436319	1.63732489	1.8780316
A_51_P2452	30174.5	Detected	21465.6	Detected	37534.8	Detected	31943	Detected	H2afx	1.05860909	1.24392451	1.48810189	1.7486024
A_66_P1221	9043.8	Detected	7600.6	Detected	8240.9	Detected	9573.1	Detected	Wdr26	1.058526283	0.91122095	1.25951899	1.0842433
A_55_P2154	3825.6	Detected	4678	Detected	3245.3	Detected	4049.4	Detected	Gcm1	1.058500627	0.84831138	0.86562634	0.6937366
A_55_P2142	371629.1	Detected	365509.5	Detected	350135.8	Detected	393344	Detected	Rpl10	1.058431646	0.94216465	1.0761526	0.957939
A_55_P2128	1963.5	Detected	1987.4	Detected	1957.5	Detected	2078.2	Detected	Ubp2l	1.058416094	0.99694423	1.04568783	0.9849552
A_55_P2098	1166.6	Detected	994.5	Detected	1398.5	Detected	1234.7	Detected	C1rl	1.058374764	1.19878279	1.24152841	1.4062343
A_51_P5146	12723.6	Detected	12102.5	Detected	17144.4	Detected	13465.8	Detected	Paip2	1.058332547	1.34744884	1.11264615	1.4165999
A_55_P1975	337.8	Detected	314.9	Detected	264.5	Detected	357.5	Detected	Ylpm1	1.058318532	0.7830077	1.13528104	0.8399492
A_51_P2118	7217.8	Detected	6407.6	Detected	5677.2	Detected	7638.5	Detected	Neur14	1.058286458	0.78655546	1.19210001	0.8860104
A_55_P1991	45473.9	Detected	51889.2	Detected	40091.9	Detected	48123.5	Detected	LOC101056478	1.05826639	0.88164639	0.92742806	0.7726444
A_55_P2037	61.8	Detected	62	Detected	41.5	Detected	65.4	Detected	Alad	1.058252427	0.67152104	1.05483871	0.6693548
A_51_P5195	489.4	Detected	473.7	Detected	454.6	Detected	517.9	Detected	Srsf10	1.058234573	0.92889252	1.093308	0.9596791
A_55_P1979	36.1	Detected	23	Detected	19.6	Detected	38.2	Not Detect	Cd28	1.058171745	0.54293629	1.66086957	0.8521739
A_55_P1997	2596.4	Detected	2086.5	Detected	2006.8	Detected	2747.4	Detected	Htatsf1	1.058157449	0.77291635	1.31675054	0.9618021
A_55_P1968	4190.1	Detected	3655.2	Detected	4178.1	Detected	4433.5	Detected	Tmub2	1.058089306	0.99713611	1.21292953	1.1430565
A_51_P2235	1287.9	Detected	1199.8	Detected	1638.4	Detected	1362.7	Detected	C030046E11Rik	1.058079043	1.27214846	1.13577263	1.3655609
A_51_P4583	24116.4	Detected	27984.3	Detected	25161.3	Detected	25515.6	Detected	Slc38a2	1.05801861	1.04332736	0.91178268	0.899122
A_55_P2121	197990.3	Detected	209286.7	Detected	199693.5	Detected	209471.9	Detected	Gm4997	1.05799072	1.00860244	1.00088491	0.9541624
A_66_P1186	24039.3	Detected	30025.1	Detected	26706.9	Detected	25433.3	Detected	Nup107	1.057988377	1.11096829	0.84706795	0.8894858
A_51_P2050	21770.5	Detected	19630.7	Detected	19257.5	Detected	23032.6	Detected	Dazap1	1.057972945	0.88456857	1.17329489	0.980989
A_55_P2134	19576	Detected	10875.9	Detected	21979.4	Detected	20709.4	Detected	Foxa2	1.057897425	1.12277278	1.90415506	2.020927
A_55_P1963	1700.9	Detected	1772.7	Detected	1999.1	Detected	1799.2	Detected	Prh1	1.057792933	1.17531895	1.01494895	1.1277148
A_51_P4764	22.5	Detected	20.2	Detected	19.4	Detected	23.8	Not Detect	Olf456	1.057777778	0.86222222	1.17821782	0.960396
A_55_P2160	32.9	Detected	31.6	Detected	56.7	Detected	34.8	Not Detect	Zfp940	1.05775076	1.72340426	1.10126582	1.7943038
A_55_P1977	10.4	Not Detect	23.2	Detected	5.9	Not Detect	11	Not Detect	Pappa	1.057692308	0.56730769	0.47413793	0.2543103
A_52_P3603	328	Detected	183.8	Detected	272.6	Detected	346.9	Detected	Map1b	1.057621951	0.83109756	1.88737758	1.4831338
A_55_P1991	5824.7	Detected	4259.6	Detected	5437.4	Detected	6160.3	Detected	Blvrb	1.057616701	0.93350731	1.44621561	1.2765048
A_55_P2034	326.3	Detected	383.6	Detected	324.6	Detected	345.1	Detected	Jtb	1.057615691	0.99479007	0.89963504	0.846194

A_55_P2082	1028.2	Detected	881.3	Detected	1148.9	Detected	1087.4	Detected	Kidins220	1.057576347	1.11738961	1.23385907	1.3036423
A_66_P1047	4089.1	Detected	3961.1	Detected	3980	Detected	4324.4	Detected	Lrp5	1.057543225	0.97331931	1.09171695	1.0047714
A_55_P1961	26547.6	Detected	26865.3	Detected	26556.8	Detected	28073.4	Detected	Fbxw11	1.057474122	1.00034655	1.04496879	0.9885168
A_55_P2172	22080.5	Detected	18912.6	Detected	20438.8	Detected	23348.2	Detected	Timm17b	1.057412649	0.92564933	1.23453148	1.0806975
A_55_P2046	12.2	Not Detect	20.1	Detected	81.7	Detected	12.9	Not Detect	Piwil4	1.057377049	6.69672131	0.64179104	4.0646766
A_52_P5896	1734.5	Detected	2138	Detected	1782.1	Detected	1834	Detected	Polr3a	1.057365235	1.02744307	0.85781104	0.833536
A_55_P2116	47426.2	Detected	38216.3	Detected	48299.3	Detected	50146.7	Detected	Hnrnpdl	1.057362808	1.01840966	1.31218093	1.2638403
A_51_P5038	476.6	Detected	562.3	Detected	291.8	Detected	503.9	Detected	Plekhg4	1.057280739	0.61225346	0.89614085	0.5189401
A_55_P2053	16098.6	Detected	11554	Detected	20203.1	Detected	17018.7	Detected	Chuk	1.057154038	1.25496006	1.4729704	1.7485806
A_55_P2111	15188.4	Detected	20096.7	Detected	14711.2	Detected	16056.2	Detected	Gemin5	1.057135709	0.96858129	0.79894709	0.7320207
A_55_P2100	85620.8	Detected	89463	Detected	93995.7	Detected	90503.8	Detected	Nme1	1.057030535	1.09781385	1.01163386	1.0506656
A_52_P9767	1279.7	Detected	1329.2	Detected	1235.9	Detected	1352.6	Detected	Atad2b	1.056966477	0.96577323	1.01760457	0.9298074
A_52_P8303	1106.2	Detected	941.6	Detected	1148.4	Detected	1169.2	Detected	Iba57	1.056951727	1.03814862	1.24171623	1.2196262
A_51_P2590	5262.3	Detected	4256.7	Detected	3559.1	Detected	5561.5	Detected	Cacnb3	1.056857268	0.67633924	1.30652853	0.8361172
A_55_P2127	6831.4	Detected	6037.6	Detected	7795.3	Detected	7219.7	Detected	Timm50	1.056840472	1.14109846	1.19578972	1.2911256
A_66_P1331	183.1	Detected	178.9	Detected	201.8	Detected	193.5	Detected	Gm14635	1.056799563	1.10212998	1.08160984	1.1280045
A_51_P2901	18720.4	Detected	20727	Detected	19649.9	Detected	19778.6	Detected	Dlst	1.05652657	1.04965172	0.95424326	0.948034
A_66_P1006	14464.1	Detected	11892.6	Detected	15959	Detected	15281.7	Detected	Ensa	1.056526158	1.10335244	1.28497553	1.3419269
A_55_P2093	5540.9	Detected	4268	Detected	5459.5	Detected	5854.1	Detected	Rnf111	1.056525113	0.98530925	1.37162605	1.2791706
A_51_P3745	384	Detected	394.2	Detected	323.5	Detected	405.7	Detected	Spata1	1.056510417	0.84244792	1.02917301	0.8206494
A_51_P3963	626.5	Detected	790.4	Detected	769.6	Detected	661.9	Detected	Mars2	1.056504389	1.22841181	0.83742409	0.9736842
A_52_P2404	872.6	Detected	745.1	Detected	959.3	Detected	921.9	Detected	Ap1ar	1.056497823	1.09935824	1.23728359	1.2874782
A_51_P3893	8067.3	Detected	9043.1	Detected	9352.2	Detected	8522.9	Detected	Nsmce2	1.056474905	1.15927262	0.94247548	1.0341808
A_55_P2185	10247.9	Detected	9407.3	Detected	9441.4	Detected	10825.6	Detected	Tle2	1.056372525	0.92130095	1.15076589	1.0036248
A_55_P2082	285156.7	Detected	273690.8	Detected	268430.5	Detected	301208.9	Detected	Ndor1	1.056292558	0.94134383	1.10054448	0.9807801
A_55_P2037	753.3	Detected	567.3	Detected	449.7	Detected	795.7	Detected	Elmsan1	1.056285676	0.59697332	1.40260885	0.7927023
A_51_P4627	5304.3	Detected	5779.2	Detected	4873.6	Detected	5602.8	Detected	Tex10	1.056275098	0.91880173	0.96947674	0.8433001
A_55_P2046	211.5	Detected	157.3	Detected	182.6	Detected	223.4	Detected	Adamts8	1.056264775	0.86335697	1.42021615	1.1608392
A_55_P2094	3535.7	Detected	3388	Detected	3029.9	Detected	3734	Detected	Rabep1	1.056085075	0.85694488	1.10212515	0.8943034
A_55_P2404	103.5	Detected	125.4	Detected	68.3	Detected	109.3	Detected	LOC552909	1.056038647	0.65990338	0.87161085	0.5446571
A_51_P1774	209.3	Detected	198	Detected	185.7	Detected	221	Detected	Rmi2	1.055900621	0.88724319	1.11616162	0.9378788
A_51_P3914	1167.3	Detected	1141.9	Detected	1383.3	Detected	1232.5	Detected	Pola2	1.055855393	1.18504241	1.07934145	1.211402
A_55_P2032	10233	Detected	11238.3	Detected	11401.9	Detected	10804.1	Detected	Tm9sf2	1.055809635	1.11422848	0.96136426	1.0145574
A_55_P2172	52	Detected	114.5	Detected	36.4	Detected	54.9	Detected	Ptplad2	1.055769231	0.7	0.47947598	0.3179039
A_51_P3744	72085.8	Detected	37630.6	Detected	70993.6	Detected	76104.6	Detected	Gstp1	1.055750231	0.98484861	2.02241261	1.8865923
A_55_P2081	11249.2	Detected	10792.7	Detected	8661	Detected	11875.7	Detected	Foxk2	1.055692849	0.76992142	1.1003456	0.8024869
A_66_P1050	1527.6	Detected	1038.9	Detected	717.3	Detected	1612.6	Detected	Mmp11	1.055642838	0.46956009	1.55221869	0.6904418
A_55_P1963	590.5	Detected	609.6	Detected	611.9	Detected	623.3	Detected	Gm11595	1.055546147	1.03624047	1.02247375	1.003773
A_55_P2026	704	Detected	667.6	Detected	815.6	Detected	743.1	Detected	Vprbp	1.055539773	1.15852273	1.11309167	1.2216896
A_55_P2021	86.5	Detected	87	Detected	69.9	Detected	91.3	Detected	Ccdc114	1.055491329	0.80809249	1.04942529	0.8034483

A_51_P4983	649.5	Detected	461.1	Detected	623.6	Detected	685.5	Detected	Sbk1	1.055427252	0.96012317	1.48666233	1.3524181
A_55_P2127	359085.1	Detected	356456.2	Detected	372298.8	Detected	378972.2	Detected	Zfp628	1.055382693	1.03679824	1.06316625	1.0444447
A_51_P2143	4493.5	Detected	4380.6	Detected	3444.2	Detected	4742.3	Detected	Cox11	1.055368866	0.76648492	1.0825686	0.7862393
A_51_P4684	493.1	Detected	408.1	Detected	276.6	Detected	520.4	Detected	Arsb	1.055364024	0.56094099	1.27517765	0.6777751
A_55_P2452	246	Detected	251.6	Detected	201.2	Detected	259.6	Detected	Mga	1.055284553	0.81788618	1.0317965	0.799682
A_66_P1065	19233.5	Detected	14261	Detected	18223.8	Detected	20296.7	Detected	Sae1	1.05527855	0.94750305	1.42323119	1.2778767
A_55_P2168	2443.9	Detected	2037.5	Detected	2862.5	Detected	2578.9	Detected	Cdk9	1.055239576	1.1712836	1.26571779	1.404908
A_51_P1637	8062.9	Detected	12881.4	Detected	9706.4	Detected	8508.1	Detected	2810025M15Rik	1.055215865	1.20383485	0.66049498	0.7535206
A_55_P1965	63.4	Detected	73.1	Detected	113.9	Detected	66.9	Detected	D3Erd751e	1.055205047	1.79652997	0.91518468	1.5581395
A_55_P1964	123.6	Detected	137.3	Detected	133.2	Detected	130.4	Detected	Hsd17b7	1.055016181	1.0776699	0.94974508	0.9701384
A_51_P4465	1136.2	Detected	1040.4	Detected	1050.5	Detected	1198.7	Detected	Zfp445	1.055007921	0.92457314	1.15215302	1.0097078
A_52_P2523	2376.3	Detected	2477.7	Detected	2486	Detected	2506.9	Detected	Pdcd11	1.054959391	1.0461642	1.01178512	1.0033499
A_52_P3110	184024.5	Detected	168414	Detected	183736.4	Detected	194121.6	Detected	Gm9757	1.054868238	0.99843445	1.15264527	1.0909806
A_66_P1203	5414.8	Detected	3866.8	Detected	3651.9	Detected	5711.6	Detected	Zmynd11	1.054812735	0.67442934	1.477087	0.9444243
A_52_P2721	93.2	Detected	116.8	Detected	116.2	Detected	98.3	Detected	Rab42	1.05472103	1.24678112	0.84160959	0.994863
A_51_P4998	3810.4	Detected	4423.5	Detected	1836.5	Detected	4018.8	Detected	Ghr	1.054692421	0.4819704	0.90851136	0.415169
A_51_P2674	36598.6	Detected	35309.2	Detected	31863.4	Detected	38600.2	Detected	Slc25a11	1.054690617	0.870618	1.09320517	0.9024107
A_55_P2259	280.1	Detected	274.8	Detected	236.6	Detected	295.4	Detected	D7Erd143e	1.054623349	0.84469832	1.07496361	0.8609898
A_55_P2155	403999.8	Detected	413563.5	Detected	406021.6	Detected	426063.3	Detected	Rps8	1.054612651	1.00500446	1.03022462	0.9817636
A_65_P1660	1758	Detected	1482.4	Detected	2579.1	Detected	1854	Detected	Bad	1.054607509	1.46706485	1.25067458	1.7398138
A_52_P2932	800.5	Detected	685.7	Detected	780.8	Detected	844.2	Detected	0610010F05Rik	1.054590881	0.97539038	1.23115065	1.1386904
A_55_P2047	16.5	Detected	22.7	Detected	18.7	Detected	17.4	Not Detect	Notch1	1.054545455	1.13333333	0.76651982	0.8237885
A_51_P3335	8953.8	Detected	7292.8	Detected	5753.5	Detected	9441.5	Detected	Sh3rf2	1.054468494	0.64257634	1.29463306	0.7889288
A_55_P2000	20.2	Detected	15.1	Not Detect	14.3	Not Detect	21.3	Not Detect	Gm6958	1.054455446	0.70792079	1.41059603	0.9470199
A_55_P2216	126.8	Detected	197.9	Detected	163.5	Detected	133.7	Detected	D13Erd608e	1.054416404	1.28943218	0.67559373	0.8261748
A_51_P2523	8823.7	Detected	6930.3	Detected	6948	Detected	9303.8	Detected	Stx12	1.054410281	0.78742478	1.34248157	1.002554
A_55_P1957	21926.9	Detected	20650.6	Detected	20607.7	Detected	23118.2	Detected	Kat7	1.054330526	0.93983646	1.1194929	0.9979226
A_51_P2237	10881.3	Detected	13259.5	Detected	11004.2	Detected	11472.3	Detected	Rtcb	1.054313363	1.01129461	0.86521362	0.8299106
A_55_P1976	453.3	Detected	576.3	Detected	584.8	Detected	477.9	Detected	1700071K01Rik	1.054268696	1.29009486	0.8292556	1.0147493
A_52_P4829	110748.9	Detected	120679.2	Detected	121790.7	Detected	116744.1	Detected	Serbp1	1.054133269	1.09970122	0.96739206	1.0092104
A_52_P5780	103.6	Detected	80.3	Detected	98.4	Detected	109.2	Detected	Zfp708	1.054054054	0.94980695	1.35990037	1.2254047
A_55_P2079	18.5	Detected	16.3	Detected	11.6	Not Detect	19.5	Not Detect	Gm10839	1.054054054	0.62702703	1.19631902	0.7116564
A_55_P2138	72.2	Detected	64.8	Detected	61.7	Detected	76.1	Detected	Tmprss3	1.05401662	0.85457064	1.17438272	0.9521605
A_55_P2045	19282.9	Detected	20494.3	Detected	19988.9	Detected	20323.5	Detected	Gmfb	1.053964912	1.03661275	0.99166598	0.9753395
A_52_P2185	14930.4	Detected	16948.3	Detected	17978.4	Detected	15735.9	Detected	Hnrnpc	1.05395033	1.20414724	0.9284648	1.060779
A_51_P3688	8173	Detected	5479.7	Detected	12274.3	Detected	8613.9	Detected	Grb7	1.053945919	1.50181084	1.57196562	2.2399584
A_52_P5780	941.9	Detected	900.2	Detected	666.1	Detected	992.7	Detected	Sacs	1.053933539	0.7071876	1.10275494	0.7399467
A_55_P2295	5778.8	Detected	5816.3	Detected	4834.7	Detected	6090.4	Detected	2600002B07Rik	1.053921229	0.83662698	1.04712618	0.8312329
A_51_P1690	2626.8	Detected	2374.7	Detected	2266.7	Detected	2768.4	Detected	Tdp2	1.053905893	0.86291305	1.16578936	0.9545206
A_55_P2010	111.4	Detected	127	Detected	126.9	Detected	117.4	Detected	Mup2	1.053859964	1.13913824	0.92440945	0.9992126

A_55_P2024	693.2 Detected	746.9 Detected	638.2 Detected	730.5 Detected	Med1	1.053808425	0.92065782	0.97804258	0.8544651
A_52_P5404	85.5 Detected	115 Detected	57.2 Detected	90.1 Detected	Ccdc55	1.05380117	0.66900585	0.78347826	0.4973913
A_66_P1077	221.4 Detected	142 Detected	237.2 Detected	233.3 Detected	1110020A21Rik	1.053748871	1.07136405	1.64295775	1.6704225
A_55_P2112	320.1 Detected	297.4 Detected	326.1 Detected	337.3 Detected	Gucy2d	1.053733208	1.01874414	1.13416274	1.096503
A_66_P1168	2184.2 Detected	1800.5 Detected	1578.3 Detected	2301.5 Detected	Arid1a	1.053703873	0.72259866	1.27825604	0.8765898
A_52_P3051	4748.1 Detected	3626.9 Detected	5578.7 Detected	5002.9 Detected	Ccdc32	1.053663571	1.17493313	1.37938736	1.5381455
A_55_P1990	23667 Detected	21541.9 Detected	21939.3 Detected	24935.5 Detected	Snrpa	1.053597837	0.92699962	1.15753485	1.0184478
A_55_P2041	370885 Detected	351427.8 Detected	348619.8 Detected	390756 Detected	Ttc38	1.053577254	0.93996738	1.11190976	0.9920097
A_55_P2161	28 Detected	20.3 Detected	25.9 Detected	29.5 Not Detect	Oxt	1.053571429	0.925	1.45320197	1.2758621
A_52_P5888	8562.3 Detected	7019.5 Detected	5427.9 Detected	9020.7 Detected	Iqgap3	1.053537017	0.63393014	1.28509153	0.7732602
A_52_P5652	6985.5 Detected	5294.8 Detected	6601.5 Detected	7359.4 Detected	Sae1	1.053525159	0.94502899	1.38992974	1.2467893
A_51_P3387	11220.8 Detected	10866.5 Detected	11338.6 Detected	11821.3 Detected	Dnajc8	1.053516683	1.01049836	1.08786638	1.0434455
A_51_P4513	30211.6 Detected	22694 Detected	17721.4 Detected	31827.3 Detected	Klf6	1.053479458	0.58657602	1.40245439	0.7808848
A_55_P1967	17900.7 Detected	19484.3 Detected	18754 Detected	18857.3 Detected	Ccnk	1.053439251	1.04766853	0.96782025	0.9625185
A_55_P1986	13.1 Not Detect	18.1 Detected	14 Not Detect	13.8 Not Detect	D830036C21Rik	1.053435115	1.06870229	0.76243094	0.7734807
A_55_P2103	116.1 Detected	137.3 Detected	102.7 Detected	122.3 Detected	Gm6653	1.053402239	0.88458226	0.89075018	0.7479971
A_55_P1985	207.9 Detected	168.9 Detected	253.7 Detected	219 Detected	Gm9839	1.053391053	1.22029822	1.29662522	1.5020722
A_51_P4420	6153.8 Detected	5019.4 Detected	5500.6 Detected	6481.8 Detected	Ptdss1	1.0533004	0.8938542	1.29134956	1.095868
A_52_P5350	247.9 Detected	230.7 Detected	242.3 Detected	261.1 Detected	Rcor1	1.053247277	0.97741025	1.13177287	1.0502818
A_52_P2478	4407.9 Detected	4559.5 Detected	3653.8 Detected	4642.6 Detected	Pds5b	1.05324531	0.8289208	1.01822568	0.8013598
A_55_P2055	47378.2 Detected	46494.2 Detected	44794 Detected	49896.8 Detected	Adam15	1.05315947	0.94545593	1.07318332	0.963432
A_51_P1207	25800.1 Detected	28021.3 Detected	30326.5 Detected	27170.7 Detected	Polr2f	1.053123825	1.17544118	0.96964452	1.082266
A_52_P3862	62.2 Detected	77.1 Detected	82 Detected	65.5 Detected	Egf	1.053054662	1.31832797	0.84954604	1.0635538
A_51_P5059	50.9 Detected	64.5 Detected	37.3 Detected	53.6 Detected	Tcl1b2	1.053045187	0.73280943	0.83100775	0.5782946
A_55_P2106	2858.5 Detected	2288.6 Detected	2050.6 Detected	3009.9 Detected	Map3k6	1.052964842	0.71736925	1.31517085	0.8960063
A_55_P2086	147.3 Detected	146.3 Detected	102.1 Detected	155.1 Detected	Kif14	1.052953157	0.69314325	1.06015038	0.6978811
A_51_P3878	8830.5 Detected	6399.4 Detected	8516.5 Detected	9298 Detected	Fam120a	1.05294151	0.96444142	1.45294871	1.3308279
A_55_P2007	6624.5 Detected	5266.6 Detected	4847 Detected	6974.9 Detected	Ctnnbip1	1.052894558	0.73167786	1.32436487	0.9203281
A_55_P2060	56923.1 Detected	63010.6 Detected	53128.1 Detected	59931.9 Detected	ATP8	1.052857276	0.93333111	0.95113997	0.8431613
A_55_P2164	177.9 Detected	138.8 Detected	120.1 Detected	187.3 Detected	Chrd	1.052838673	0.67509837	1.34942363	0.8652738
A_51_P1973	6649.5 Detected	6214.3 Detected	8200.9 Detected	6999.9 Detected	Atg12	1.052695691	1.23331078	1.1264181	1.319682
A_52_P5666	2356 Detected	2458.5 Detected	2124.9 Detected	2480.1 Detected	Hsd17b7	1.052674024	0.90191002	1.00878585	0.8643075
A_55_P2038	1972.6 Detected	2112.6 Detected	1959.1 Detected	2076.5 Detected	Lig3	1.052671601	0.99315624	0.98291205	0.9273407
A_55_P2172	14332.6 Detected	12319.7 Detected	11173.3 Detected	15087.3 Detected	Smc2	1.052656182	0.77957244	1.22464833	0.9069458
A_55_P1995	37917.3 Detected	41686.8 Detected	32855.6 Detected	39913.1 Detected	Gm5643	1.052635604	0.86650685	0.95745176	0.7881536
A_55_P2078	36878.6 Detected	24938.3 Detected	29775 Detected	38819.5 Detected	Fam50a	1.052629438	0.80737881	1.55662174	1.1939467
A_55_P2084	4837.7 Detected	4171.4 Detected	3670.8 Detected	5092.3 Detected	Zbtb40	1.052628315	0.75879033	1.22076521	0.8799923
A_52_P5746	11916.1 Detected	10373.4 Detected	10383.5 Detected	12543 Detected	Khdrbs1	1.052609495	0.87138409	1.20915033	1.0009736
A_52_P5017	1632.9 Detected	1567.9 Detected	1603 Detected	1718.7 Detected	Ccdc127	1.052544553	0.98168902	1.0961796	1.0223866
A_51_P1418	26760.3 Detected	30007.1 Detected	28134.3 Detected	28166.4 Detected	Fbxw11	1.052544254	1.05134472	0.93865785	0.9375881

A_51_P3406	754.2 Detected	555.5 Detected	598.2 Detected	793.8 Detected	Bcl9l	1.052505967	0.79315831	1.4289829	1.0768677
A_55_P2054	36.2 Detected	27.7 Detected	34.4 Detected	38.1 Not Detect	Olfrl428	1.052486188	0.95027624	1.37545126	1.2418773
A_51_P2606	8147.2 Detected	10088.5 Detected	9846.7 Detected	8574.7 Detected	Elp3	1.052472015	1.20859927	0.84994796	0.9760321
A_55_P1982	280.3 Detected	293.7 Detected	276.4 Detected	295 Detected	Ramp1	1.05244381	0.98608634	1.00442629	0.9410964
A_55_P1979	3354.8 Detected	2904.8 Detected	3550.4 Detected	3530.6 Detected	Spop	1.052402528	1.05830452	1.21543652	1.2222528
A_51_P1258	152.7 Detected	119.9 Detected	151.1 Detected	160.7 Detected	Glp2r	1.052390308	0.98952194	1.34028357	1.2602168
A_55_P1958	11062.8 Detected	9642.2 Detected	9391.5 Detected	11641.7 Detected	Rbm33	1.052328524	0.84892613	1.20736969	0.9739997
A_55_P2177	627.1 Detected	601.1 Detected	669.2 Detected	659.9 Detected	Lmf1	1.052304258	1.06713443	1.09782066	1.1132923
A_55_P1992	34.5 Detected	26.2 Detected	44.5 Detected	36.3 Not Detect	1700049L16Rik	1.052173913	1.28985507	1.38549618	1.6984733
A_55_P2008	703.9 Detected	481.6 Detected	566.7 Detected	740.6 Detected	Gm13157	1.052138088	0.80508595	1.5377907	1.1767027
A_66_P1317	714.4 Detected	767.4 Detected	622.3 Detected	751.6 Detected	Ythdf2	1.052071669	0.87108063	0.979411	0.81092
A_55_P1965	2641.1 Detected	2143.1 Detected	2743.4 Detected	2778.6 Detected	Kcnd1	1.052061641	1.03873386	1.29653306	1.2801083
A_55_P1997	4605.2 Detected	4828.3 Detected	4915.3 Detected	4844.8 Detected	Bod1	1.052028142	1.06733692	1.00341735	1.0180188
A_55_P2025	34521.8 Detected	33302.1 Detected	36173.6 Detected	36313.5 Detected	Ruvbl2	1.051900538	1.04784803	1.09042673	1.0862258
A_55_P2027	375.9 Detected	344.4 Detected	432.6 Detected	395.4 Detected	Ccl25	1.051875499	1.15083799	1.14808362	1.2560976
A_52_P4320	90.8 Detected	90.5 Detected	81.9 Detected	95.5 Detected	4930515G13Rik	1.051762115	0.90198238	1.05524862	0.9049724
A_55_P2128	158.5 Detected	142 Detected	122.6 Detected	166.7 Detected	Tbc1d12	1.051735016	0.77350158	1.17394366	0.8633803
A_52_P4362	8707.6 Detected	9506.1 Detected	8926.3 Detected	9158 Detected	Odc1	1.05172493	1.02511599	0.96338141	0.9390076
A_55_P2070	42.6 Detected	69.6 Detected	29.9 Detected	44.8 Not Detect	Gm3173	1.051643192	0.70187793	0.64367816	0.4295977
A_52_P4184	13467.9 Detected	11566.2 Detected	7318.5 Detected	14162.8 Detected	Tinagl1	1.05159676	0.5434032	1.22449897	0.6327489
A_55_P2185	715.9 Detected	524.1 Detected	795.9 Detected	752.8 Detected	Thap7	1.051543512	1.11174745	1.43636711	1.5186033
A_55_P1971	1172 Detected	1063.2 Detected	1290.2 Detected	1232.3 Detected	Kdm2a	1.051450512	1.10085324	1.15904816	1.2135064
A_55_P2047	66.1 Detected	48.1 Detected	71.2 Detected	69.5 Detected	Il22ra1	1.051437216	1.07715582	1.44490644	1.4802495
A_52_P4142	264.7 Detected	228.4 Detected	270.7 Detected	278.3 Detected	Vprbp	1.05137892	1.02266717	1.21847636	1.1852014
A_51_P2445	4587.1 Detected	3200.9 Detected	4769.4 Detected	4822.7 Detected	Oraov1	1.051361427	1.03974188	1.50667	1.4900184
A_55_P2122	9256.3 Detected	4129.2 Detected	10425.8 Detected	9731 Detected	Zmym3	1.05128399	1.12634638	2.35663082	2.5248959
A_55_P2011	46.8 Detected	45.1 Detected	35.7 Detected	49.2 Not Detect	Gm6598	1.051282051	0.76282051	1.09090909	0.7915743
A_55_P1987	81813.5 Detected	80053.6 Detected	80885.2 Detected	86005.6 Detected	Pttg1	1.05123971	0.98865346	1.07435019	1.010388
A_55_P1961	5431.7 Detected	2729.2 Detected	4926.8 Detected	5710 Detected	Trp53inp2	1.051236261	0.90704568	2.09218819	1.8052176
A_55_P2059	74.2 Detected	61.3 Detected	59.5 Detected	78 Detected	Figl2	1.051212938	0.80188679	1.27243067	0.9706362
A_55_P2128	84248.5 Detected	71228 Detected	117166.6 Detected	88555.6 Detected	Mgl2	1.051123759	1.39072624	1.2432695	1.6449514
A_52_P1358	34183.2 Detected	34022.5 Detected	26736.7 Detected	35930 Detected	Myo18a	1.051101126	0.78215907	1.05606584	0.7858535
A_51_P2713	896.5 Detected	945.1 Detected	709.3 Detected	942.3 Detected	Wsb1	1.051087563	0.79118795	0.99703735	0.7505026
A_52_P4302	3464.9 Detected	3575.7 Detected	3270.6 Detected	3641.8 Detected	Rbm15	1.051054864	0.94392335	1.01848589	0.914674
A_55_P2109	145.2 Detected	116.4 Detected	159.3 Detected	152.6 Detected	Dot1l	1.050964187	1.09710744	1.31099656	1.3685567
A_55_P1982	36408.2 Detected	40052.7 Detected	31274.2 Detected	38262.9 Detected	Gm8556	1.050941821	0.85898781	0.95531387	0.7808263
A_55_P2148	1167 Detected	896.7 Detected	2138.4 Detected	1226.4 Detected	BC039966	1.050899743	1.83239075	1.3676815	2.3847441
A_55_P2104	17352.4 Detected	19717.3 Detected	18901.4 Detected	18235.2 Detected	Kctd9	1.050874807	1.08926719	0.92483251	0.9586201
A_55_P2008	1486.6 Detected	1537.1 Detected	1351.1 Detected	1562.2 Detected	Otud6b	1.050854298	0.90885241	1.01632945	0.8789929
A_52_P1373	912.9 Detected	831.3 Detected	1023.1 Detected	959.3 Detected	Hmgcr	1.050827035	1.12071421	1.1539757	1.230723

A_66_P1126	17070.6	Detected	18703.8	Detected	18866.9	Detected	17937.7	Detected	Psmc6	1.050794934	1.1052277	0.95904041	1.0087202
A_55_P2050	20483.6	Detected	19413.5	Detected	16280.6	Detected	21523.7	Detected	ND5	1.050777207	0.79481146	1.10869756	0.8386226
A_55_P1963	233714.4	Detected	243958.9	Detected	226200.3	Detected	245577.5	Detected	Rps6	1.050758961	0.96784922	1.00663472	0.9272066
A_51_P3481	6660.7	Detected	8207.3	Detected	7672.5	Detected	6998.7	Detected	Tmem141	1.050745417	1.15190596	0.85274085	0.9348385
A_55_P2209	232.8	Detected	220.9	Detected	247.3	Detected	244.6	Detected	2900001G08Rik	1.050687285	1.06228522	1.10728837	1.1195111
A_52_P5499	277	Detected	257.2	Detected	273.5	Detected	291	Detected	Ost4	1.050541516	0.98736462	1.13141524	1.0633748
A_52_P4633	1794.9	Detected	1289.6	Detected	1533.4	Detected	1885.6	Detected	Serinc3	1.050532063	0.85430943	1.46215881	1.1890509
A_52_P5102	696.7	Detected	633.3	Detected	660.4	Detected	731.9	Detected	Traf6	1.050523898	0.94789723	1.1556924	1.0427917
A_51_P1370	4882.6	Detected	4204.1	Detected	5072.3	Detected	5129.2	Detected	Zw10	1.050505878	1.03885225	1.2200471	1.2065127
A_51_P5092	4970.5	Detected	4355.7	Detected	4913.9	Detected	5221.2	Detected	Rnf34	1.050437582	0.98861282	1.19870514	1.1281539
A_52_P3815	1154.5	Detected	834.2	Detected	1074.1	Detected	1212.7	Detected	Lypla1	1.050411434	0.93035946	1.45372812	1.2875809
A_51_P4998	29737	Detected	30636.6	Detected	25940.5	Detected	31233.1	Detected	Tubg1	1.05031106	0.87233077	1.01947018	0.846716
A_66_P1235	17.9	Detected	16.3	Detected	14.3	Not Detect	18.8	Not Detect	4930504D19Rik	1.05027933	0.79888268	1.15337423	0.8773006
A_52_P5974	482.4	Detected	680.7	Detected	521.9	Detected	506.6	Detected	Skil	1.050165837	1.08188226	0.74423388	0.7667107
A_55_P2057	4451.5	Detected	4768.5	Detected	4304.8	Detected	4674.8	Detected	Gm6531	1.050162866	0.96704482	0.98035021	0.9027577
A_66_P1114	49628.6	Detected	52625.3	Detected	46353.1	Detected	52117.8	Detected	Ube2j2	1.050156563	0.93399975	0.99035635	0.880814
A_55_P2087	72905.3	Detected	71031.9	Detected	92098.6	Detected	76559	Detected	Myeov2	1.050115698	1.26326344	1.07781152	1.2965808
A_55_P2095	61.9	Detected	42.4	Detected	44.5	Detected	65	Detected	Tfpi	1.050080775	0.71890145	1.53301887	1.0495283
A_51_P3846	40704.4	Detected	38695.7	Detected	32925.5	Detected	42739.7	Detected	Lrrc59	1.050001965	0.8088929	1.10450774	0.8508827
A_66_P1150	50	Detected	80.3	Detected	13.9	Not Detect	52.5	Detected	Prrt4	1.05	0.278	0.65379826	0.1731009
A_55_P1973	21414.4	Detected	17505.4	Detected	20951.9	Detected	22484.8	Detected	Mapk1	1.049985057	0.97840238	1.28444937	1.1968821
A_55_P2158	43152.3	Detected	38783.6	Detected	44893.1	Detected	45308.8	Detected	Pbx1	1.049974161	1.04034084	1.16824637	1.1575279
A_55_P1952	9992.7	Detected	9109.4	Detected	8112	Detected	10491.8	Detected	Mapk7	1.049946461	0.81179261	1.15175533	0.8905087
A_66_P1267	1510.3	Detected	1498.4	Detected	1274.1	Detected	1585.7	Detected	Cwc27	1.049923856	0.84360723	1.05826215	0.850307
A_51_P2832	208.4	Detected	176.5	Detected	292.9	Detected	218.8	Detected	Zfp874b	1.049904031	1.40547025	1.23966006	1.6594901
A_55_P2067	3375.3	Detected	3555.5	Detected	6609.8	Detected	3543.5	Detected	Cdh6	1.049832607	1.95828519	0.99662495	1.8590353
A_55_P2001	208850.3	Detected	210845.6	Detected	215526	Detected	219249.2	Detected	Rpl7a	1.049791166	1.03196404	1.03985665	1.0221982
A_55_P1991	3329	Detected	3760	Detected	3829.7	Detected	3494.6	Detected	Fbxo34	1.049744668	1.15040553	0.92941489	1.0185372
A_55_P2142	4044.7	Detected	3081.9	Detected	3757.8	Detected	4245.6	Detected	Olf1229	1.049669938	0.92906767	1.37759175	1.2193128
A_51_P1916	494.5	Detected	323.3	Detected	438.3	Detected	519	Detected	Cat	1.049544995	0.88634985	1.60532014	1.3557068
A_55_P2074	644.7	Detected	626	Detected	445.2	Detected	676.6	Detected	Zswim6	1.049480378	0.69055375	1.08083067	0.7111821
A_55_P2131	19586.6	Detected	22663.5	Detected	16724.4	Detected	20555.7	Detected	Hmgb1	1.049477704	0.85386948	0.90699583	0.7379443
A_55_P2068	179.9	Detected	125.4	Detected	122.5	Detected	188.8	Detected	Rapgef1	1.049471929	0.68093385	1.50558214	0.976874
A_55_P1980	9648.8	Detected	7252.5	Detected	7023.5	Detected	10126.1	Detected	Wdr81	1.049467291	0.72791435	1.39622199	0.9684247
A_55_P2036	13548.2	Detected	14735.7	Detected	17208.3	Detected	14217.8	Detected	Cr1l	1.04942354	1.27015397	0.96485406	1.1677966
A_55_P2011	17620.9	Detected	17405.6	Detected	19402.5	Detected	18490.7	Detected	Lsg1	1.049361837	1.10110721	1.062342	1.1147274
A_55_P2390	22.3	Detected	7.5	Not Detect	13.5	Not Detect	23.4	Not Detect	Six1	1.049327354	0.60538117	3.12	1.8
A_51_P3258	399.4	Detected	109.8	Detected	4723.2	Detected	419.1	Detected	Hpx	1.049323986	11.8257386	3.81693989	43.016393
A_55_P1992	113.6	Detected	102.1	Detected	111.5	Detected	119.2	Detected	Gm10674	1.049295775	0.98151408	1.16748286	1.0920666
A_55_P2120	361.2	Detected	328.9	Detected	313	Detected	379	Detected	Zfp457	1.049280177	0.86655592	1.15232593	0.951657

A_51_P3384	20.3 Detected	25.1 Detected	15.4 Not Detect	21.3 Not Detect	Mtnr1b	1.049261084	0.75862069	0.84860558	0.6135458
A_66_P1145	4889.6 Detected	5668.7 Detected	4211.6 Detected	5129.7 Detected	Jmjd6	1.049104221	0.86133835	0.90491647	0.7429569
A_52_P8898	5242.4 Detected	4757.3 Detected	3664.3 Detected	5499.7 Detected	Dock5	1.049080574	0.69897375	1.15605491	0.7702478
A_55_P1998	59.1 Detected	52.6 Detected	105.4 Detected	62 Detected	LOC101056249	1.049069374	1.78341794	1.17870722	2.0038023
A_66_P1376	1235.5 Detected	1341 Detected	1356.5 Detected	1296.1 Detected	Smpd2	1.049048968	1.09793606	0.96651752	1.0115585
A_55_P2070	1365 Detected	1624.1 Detected	1454.9 Detected	1431.9 Detected	Krtap20-2	1.049010989	1.06586081	0.88165753	0.8958192
A_55_P2066	1371.5 Detected	1176.6 Detected	1724.7 Detected	1438.7 Detected	Vps13a	1.048997448	1.25752825	1.2227605	1.4658338
A_55_P2181	28.6 Detected	146.8 Detected	23.5 Detected	30 Not Detect	Tcf4	1.048951049	0.82167832	0.20435967	0.1600817
A_52_P5843	36.8 Detected	34.5 Detected	26.3 Detected	38.6 Not Detect	Folr1	1.048913043	0.71467391	1.11884058	0.7623188
A_55_P2042	9443.2 Detected	8520.9 Detected	8068.9 Detected	9904.9 Detected	Apoo	1.048892325	0.85446671	1.16242416	0.946954
A_51_P1371	2634.4 Detected	2607.2 Detected	2928.1 Detected	2763.2 Detected	Smarcal1	1.048891588	1.11148649	1.05983431	1.1230822
A_51_P2234	31908.8 Detected	16242.6 Detected	32572.7 Detected	33465.3 Detected	Plin3	1.048779647	1.02080617	2.06034132	2.0053871
A_55_P1964	3494 Detected	3237.3 Detected	4405.3 Detected	3664.4 Detected	B230118H07Rik	1.048769319	1.26081855	1.13193093	1.3607945
A_55_P1974	44369.6 Detected	36406.8 Detected	45633.8 Detected	46532.6 Detected	Rela	1.048749594	1.02849248	1.27812936	1.2534417
A_52_P5959	3099.7 Detected	3271.6 Detected	2959.5 Detected	3250.8 Detected	Nelfa	1.048746653	0.95476982	0.99364225	0.9046033
A_51_P4156	14142.1 Detected	12026.7 Detected	15392.1 Detected	14831.4 Detected	Gng12	1.048740993	1.08838857	1.23320612	1.2798274
A_55_P2129	7243.6 Detected	6350.8 Detected	5242.6 Detected	7596.1 Detected	Srsf4	1.048663648	0.72375614	1.19608553	0.8255023
A_51_P3662	396.6 Detected	304.1 Detected	299.7 Detected	415.9 Detected	Zfp865	1.048663641	0.75567322	1.36764222	0.9855311
A_51_P4099	1235.3 Detected	870.2 Detected	1103.2 Detected	1295.4 Detected	Arl13b	1.048652149	0.89306241	1.4886233	1.2677545
A_51_P3238	324205.5 Detected	314953.7 Detected	304800.6 Detected	339967.7 Detected	COX2	1.048617929	0.9401463	1.0794212	0.9677632
A_52_P6629	43.2 Detected	41.4 Detected	43.9 Detected	45.3 Not Detect	1700083H02Rik	1.048611111	1.0162037	1.0942029	1.0603865
A_51_P1852	249.2 Detected	199.1 Detected	288.3 Detected	261.3 Detected	Gnb5	1.048555377	1.15690209	1.31240583	1.4480161
A_55_P2038	88.8 Detected	99 Detected	106.7 Detected	93.1 Detected	Phf11b	1.048423423	1.20157658	0.94040404	1.0777778
A_55_P1968	758.3 Detected	675.9 Detected	629.6 Detected	795 Detected	Tdgf1	1.048397732	0.83027825	1.1762095	0.9314987
A_51_P1408	7624.7 Detected	7496.3 Detected	7957 Detected	7993.6 Detected	Ankhd1	1.048382231	1.04358204	1.06633939	1.061457
A_55_P2168	267.5 Detected	181.6 Detected	299.1 Detected	280.4 Detected	Marf1	1.048224299	1.11813084	1.54405286	1.6470264
A_55_P2334	8.3 Not Detect	3 Not Detect	20.1 Detected	8.7 Not Detect	AI327134	1.048192771	2.42168675	2.9	6.7
A_55_P2060	68.5 Detected	46.8 Detected	46.3 Detected	71.8 Detected	Mcf2l	1.048175182	0.67591241	1.53418803	0.9893162
A_55_P2085	8475 Detected	8059.1 Detected	11984.1 Detected	8883 Detected	Nudt1	1.048141593	1.4140531	1.10223226	1.4870271
A_55_P2183	49.9 Detected	46.3 Detected	45.9 Detected	52.3 Detected	Dux	1.048096192	0.91983968	1.12958963	0.9913607
A_55_P1974	788.1 Detected	787.9 Detected	804.7 Detected	826 Detected	Dtd2	1.048090344	1.02106332	1.04835639	1.0213225
A_52_P3583	2561.2 Detected	2562.1 Detected	2363.1 Detected	2684.3 Detected	Ppp4r2	1.048063408	0.92265344	1.04769525	0.9223293
A_55_P1972	70.8 Detected	49.3 Detected	72.2 Detected	74.2 Detected	Gm324	1.048022599	1.01977401	1.50507099	1.464503
A_55_P2112	3604 Detected	3595 Detected	3746.8 Detected	3777 Detected	Srp9	1.04800222	1.03962264	1.05062587	1.0422253
A_55_P2081	85110 Detected	63718.8 Detected	73870.1 Detected	89190.6 Detected	Sptbn1	1.047945012	0.86793679	1.39975329	1.159314
A_55_P2108	16209.8 Detected	17438.2 Detected	17001.4 Detected	16986.7 Detected	Rrp7a	1.047927797	1.04883466	0.97410857	0.9749515
A_51_P3468	18631.8 Detected	14183.3 Detected	13578.3 Detected	19523.6 Detected	Rragc	1.047864404	0.72877017	1.37652027	0.9573442
A_55_P2106	6819.9 Detected	6956 Detected	4491.2 Detected	7146 Detected	Mbnl3	1.04781595	0.65854338	1.02731455	0.6456584
A_55_P2182	110629.4 Detected	114771.1 Detected	114307.7 Detected	115910.6 Detected	Kpna2	1.047737762	1.03324885	1.00992846	0.9959624
A_51_P4319	46345.8 Detected	40066.2 Detected	44745.2 Detected	48557.3 Detected	Pdcd6	1.047717377	0.96546397	1.21192676	1.1167817

A_55_P2350	109.1	Detected	73.5	Detected	112	Detected	114.3	Detected	Gm14858	1.047662695	1.02658112	1.55510204	1.5238095
A_55_P2068	476.3	Detected	337.8	Detected	402.3	Detected	499	Detected	Pias1	1.047659038	0.84463573	1.47720545	1.1909414
A_51_P5120	39.9	Detected	38.6	Detected	46.7	Detected	41.8	Not Detect	1600015110Rik	1.047619048	1.17042607	1.08290155	1.2098446
A_55_P2300	445.3	Detected	390.5	Detected	333.5	Detected	466.5	Detected	4833412C15Rik	1.047608354	0.7489333	1.19462228	0.8540333
A_55_P2125	340.5	Detected	319.8	Detected	298.3	Detected	356.7	Detected	Tnfrsf4	1.047577093	0.87606461	1.11538462	0.9327705
A_55_P1990	357211	Detected	365176.7	Detected	396085.2	Detected	374180.4	Detected	Rplp2	1.047505256	1.108827	1.02465574	1.0846398
A_55_P1997	5648.1	Detected	4748.9	Detected	4042.8	Detected	5916.4	Detected	Map9	1.0475027	0.71578053	1.24584641	0.8513129
A_51_P1618	14738.6	Detected	17581.2	Detected	16106.6	Detected	15437.3	Detected	Med30	1.047406131	1.0928175	0.87805724	0.9161263
A_52_P1106	35.9	Detected	43.1	Detected	51.6	Detected	37.6	Not Detect	Tomm70a	1.04735376	1.43732591	0.87238979	1.1972158
A_55_P1954	853.8	Detected	616.2	Detected	1018.4	Detected	894.2	Detected	Fbxw2	1.047317873	1.1927852	1.45115222	1.6527102
A_55_P1960	1406.9	Detected	1626.5	Detected	1088.1	Detected	1473.3	Detected	Slc16a13	1.047195963	0.77340252	0.90581002	0.6689825
A_55_P2114	140.1	Detected	115.9	Detected	134	Detected	146.7	Detected	Pvalb	1.047109208	0.95645967	1.26574633	1.1561691
A_65_P1327	856.6	Detected	678.1	Detected	732.6	Detected	896.9	Detected	Csnk1g1	1.047046463	0.85524165	1.32266627	1.0803716
A_55_P2054	5842.5	Detected	4869.9	Detected	4148.3	Detected	6117.3	Detected	Maml1	1.04703466	0.71002139	1.25614489	0.8518245
A_55_P2185	178.6	Detected	91.3	Detected	101.1	Detected	187	Detected	Meis3	1.047032475	0.56606943	2.04819277	1.1073384
A_51_P1966	8787.1	Detected	6169.1	Detected	8514.4	Detected	9199.3	Detected	Fam102b	1.046909674	0.96896587	1.49118996	1.3801689
A_52_P2392	3298.6	Detected	3348.1	Detected	3247.6	Detected	3453.3	Detected	AI597479	1.046898684	0.9845389	1.03142081	0.969983
A_51_P3524	486.4	Detected	694.5	Detected	611.8	Detected	509.2	Detected	Nudcd1	1.046875	1.2578125	0.73318934	0.8809215
A_55_P1998	384.3	Detected	318.1	Detected	240.8	Detected	402.3	Detected	Traf6	1.046838407	0.62659381	1.26469664	0.7569947
A_55_P2060	3470.2	Detected	2948.2	Detected	3228.5	Detected	3632.7	Detected	Hoxa1	1.046827272	0.93034984	1.23217556	1.095075
A_55_P2129	29.9	Detected	29.3	Detected	18	Not Detect	31.3	Not Detect	Gm5464	1.046822742	0.60200669	1.06825939	0.6143345
A_55_P2001	854.7	Detected	850.9	Detected	866.7	Detected	894.7	Detected	Arid2	1.046800047	1.01404001	1.05147491	1.0185686
A_55_P1987	18597.7	Detected	22594.7	Detected	23078	Detected	19467.9	Detected	Eny2	1.046790732	1.24090613	0.86161356	1.02139
A_55_P1957	143587.5	Detected	152118.1	Detected	158525.7	Detected	150291	Detected	Ptma	1.046685819	1.10403552	0.98798894	1.0421225
A_55_P2316	7500.6	Detected	4260.7	Detected	6664	Detected	7849.5	Detected	Neo1	1.046516279	0.88846226	1.84230291	1.5640622
A_51_P2538	61346.1	Detected	46132.8	Detected	43859.4	Detected	64199.1	Detected	Mki67	1.046506624	0.71495009	1.39161508	0.9507205
A_55_P2016	7462.3	Detected	7705	Detected	6435.1	Detected	7809.1	Detected	Tmem131	1.046473607	0.86234807	1.01351071	0.8351849
A_52_P2194	938.6	Detected	1128.1	Detected	649.1	Detected	982.2	Detected	Cdc6	1.046452163	0.6915619	0.87066749	0.5753923
A_55_P1984	15229.1	Detected	14448.5	Detected	10935.2	Detected	15936	Detected	Fam220a	1.046417713	0.71804637	1.10295186	0.7568398
A_51_P1363	342.6	Detected	298.5	Detected	280.4	Detected	358.5	Detected	Gng11	1.046409807	0.81844717	1.20100503	0.9393635
A_55_P2049	15.1	Detected	12.4	Not Detect	13.8	Not Detect	15.8	Not Detect	Gm4755	1.046357616	0.91390728	1.27419355	1.1129032
A_55_P2000	731.7	Detected	580.1	Detected	1086.8	Detected	765.6	Detected	Gnb5	1.046330463	1.48530819	1.31977245	1.8734701
A_51_P2625	3882.9	Detected	4025.9	Detected	4276.6	Detected	4062.7	Detected	Cxxc1	1.046305596	1.10139329	1.00914081	1.0622718
A_51_P2118	270.1	Detected	134.3	Detected	346.6	Detected	282.6	Detected	Selp	1.046279156	1.28322843	2.10424423	2.5807893
A_55_P2013	149.2	Detected	134.2	Detected	137	Detected	156.1	Detected	Dpp6	1.046246649	0.91823056	1.16318927	1.0208644
A_55_P1958	23.8	Detected	28.2	Detected	33.5	Detected	24.9	Not Detect	Harbi1	1.046218487	1.40756303	0.88297872	1.1879433
A_55_P2344	65.1	Detected	63.5	Detected	58	Detected	68.1	Detected	C87490	1.046082949	0.89093702	1.07244094	0.9133858
A_55_P2066	3174.2	Detected	3418.4	Detected	2913.6	Detected	3320.3	Detected	Hnrnpa1	1.046027345	0.91790057	0.97130236	0.8523286
A_65_P1747	193.4	Detected	133.7	Detected	116.4	Detected	202.3	Detected	Gse1	1.046018614	0.60186143	1.51308901	0.8706058
A_55_P1985	87283.4	Detected	94078.8	Detected	91309.6	Detected	91298.5	Detected	LOC101055799	1.046000729	1.0461279	0.97044711	0.9705651

A_55_P2230	350 Detected	321.7 Detected	238.6 Detected	366.1 Detected	D930050J11	1.046	0.68171429	1.13801679	0.7416848
A_55_P1977	8.7 Not Detect	19.1 Detected	10.4 Not Detect	9.1 Not Detect	Wnt16	1.045977011	1.1954023	0.47643979	0.5445026
A_55_P2054	9332.2 Detected	11680.1 Detected	11975.2 Detected	9760.7 Detected	M6pr	1.04591629	1.28321296	0.83566922	1.0252652
A_55_P2047	246449.8 Detected	246801 Detected	267394.1 Detected	257758.1 Detected	Rps9	1.045884801	1.08498404	1.0443965	1.0834401
A_55_P1958	251344.1 Detected	267172.9 Detected	234702.7 Detected	262875.6 Detected	Eno1	1.045879334	0.93379037	0.98391566	0.8784675
A_55_P2072	30.6 Detected	31.6 Detected	23.5 Detected	32 Not Detect	Ncoa6	1.045751634	0.76797386	1.01265823	0.7436709
A_51_P1417	10485.3 Detected	12861.6 Detected	19210.2 Detected	10965 Detected	Uhrf2	1.045749764	1.83210781	0.85253779	1.4936089
A_51_P3275	6617.7 Detected	4774.6 Detected	8010.2 Detected	6920.4 Detected	Glb1	1.045740967	1.21042054	1.44941985	1.6776693
A_66_P1164	72.2 Detected	65.6 Detected	74.7 Detected	75.5 Detected	Mro	1.045706371	1.03462604	1.15091463	1.1387195
A_55_P1957	39.4 Detected	31.2 Detected	30.7 Detected	41.2 Not Detect	Gm15104	1.045685279	0.77918782	1.32051282	0.9839744
A_55_P1963	42593.3 Detected	40782.2 Detected	58678.4 Detected	44537.4 Detected	Ndfip1	1.045643329	1.3776439	1.09207939	1.4388238
A_52_P3763	4293.5 Detected	5209.6 Detected	3505 Detected	4489 Detected	Pdgfc	1.045533947	0.8163503	0.86167844	0.6727964
A_55_P2010	1421.1 Detected	770.6 Detected	1256.4 Detected	1485.8 Detected	Rab27b	1.045528112	0.88410386	1.92810797	1.6304179
A_66_P1305	1017.4 Detected	902.5 Detected	1258.2 Detected	1063.7 Detected	Traip	1.045508158	1.23668174	1.17861496	1.3941274
A_55_P2050	323.2 Detected	300 Detected	251.6 Detected	337.9 Detected	Trip11	1.045482673	0.77846535	1.12633333	0.8386667
A_55_P2166	224.4 Detected	157 Detected	149.1 Detected	234.6 Detected	Timm10b	1.045454545	0.6644385	1.49426752	0.9496815
A_55_P1960	9293.6 Detected	6064.8 Detected	6391.2 Detected	9715.5 Detected	Zdhc9	1.045396832	0.68769906	1.60194895	1.0538188
A_51_P2011	13508.2 Detected	13176.1 Detected	14047.9 Detected	14121.3 Detected	Lbr	1.045387246	1.03995351	1.07173595	1.0661653
A_55_P2025	2296.1 Detected	2055 Detected	2391.7 Detected	2400.3 Detected	Csf1r	1.045381299	1.04163582	1.1680292	1.1638443
A_55_P2069	243497.4 Detected	275773.1 Detected	273662.5 Detected	254540 Detected	Rps12l2	1.045349971	1.12388264	0.92300518	0.9923466
A_55_P2007	70.6 Detected	37.8 Detected	60.8 Detected	73.8 Detected	Catsper2	1.045325779	0.8611898	1.95238095	1.6084656
A_55_P1975	132.4 Detected	282.5 Detected	102.4 Detected	138.4 Detected	Dnmt3b	1.045317221	0.7734139	0.4899115	0.3624779
A_55_P1970	21727.8 Detected	15834.2 Detected	19396 Detected	22710.8 Detected	Usp7	1.04524158	0.89268127	1.43428781	1.2249435
A_52_P3704	32185.7 Detected	29402.1 Detected	34682.3 Detected	33641.7 Detected	Kcmf1	1.045237481	1.07756861	1.14419378	1.1795858
A_55_P1955	206309.9 Detected	186444.7 Detected	175356.7 Detected	215641.5 Detected	Hccs	1.045230985	0.84996745	1.15659764	0.9405293
A_52_P1385	1141.8 Detected	1134.3 Detected	1164.3 Detected	1193.4 Detected	Pum2	1.045191802	1.01970573	1.05210262	1.026448
A_51_P5069	533.8 Detected	428.6 Detected	420.3 Detected	557.9 Detected	Cldn9	1.045147996	0.78737355	1.30167989	0.9806346
A_55_P2435	645 Detected	303 Detected	547.3 Detected	674.1 Detected	Etl4	1.045116279	0.84852713	2.22475248	1.8062706
A_55_P2125	5209.6 Detected	4571 Detected	5611.5 Detected	5444.5 Detected	Hist1h4j	1.045089834	1.07714604	1.19109604	1.2276307
A_52_P1643	281.9 Detected	247.2 Detected	215 Detected	294.6 Detected	Fktn	1.045051437	0.7626818	1.19174757	0.8697411
A_51_P1137	6039.5 Detected	5706.6 Detected	8480.5 Detected	6311.3 Detected	Prpf19	1.045003725	1.40417253	1.10596502	1.4860863
A_55_P2007	18557.3 Detected	16151.4 Detected	16866.7 Detected	19391.2 Detected	Pef1	1.044936494	0.90889839	1.20058942	1.0442872
A_55_P2184	91.4 Detected	72.8 Detected	82.1 Detected	95.5 Detected	Tesk2	1.044857768	0.89824945	1.31181319	1.1277473
A_55_P2030	63851.6 Detected	55163.2 Detected	68712.4 Detected	66715 Detected	Ppp2r4	1.044844608	1.07612652	1.20941135	1.2456203
A_55_P1957	10238.8 Detected	9044.4 Detected	9162.1 Detected	10697.5 Detected	Gps2	1.044800172	0.89484119	1.18277608	1.0130136
A_55_P2122	194.2 Detected	156.3 Detected	170.8 Detected	202.9 Detected	Pnma3	1.044799176	0.87950566	1.29814459	1.0927703
A_55_P2002	247.9 Detected	213.8 Detected	168.6 Detected	259 Detected	Usp17la	1.044776119	0.68011295	1.21141254	0.7885875
A_55_P2122	24.6 Detected	28.7 Detected	31.4 Detected	25.7 Not Detect	Pdcd1lg2	1.044715447	1.27642276	0.89547038	1.0940767
A_55_P1959	35421.2 Detected	33635.9 Detected	30614.1 Detected	37003.4 Detected	Pom121	1.044668165	0.86428749	1.10011624	0.9101615
A_55_P2095	3739.3 Detected	3885.9 Detected	3867.5 Detected	3906.3 Detected	Dancr	1.044660765	1.03428449	1.00524975	0.9952649

A_51_P3427	9258.4	Detected	10236.8	Detected	8328.5	Detected	9671.7	Detected	Pold2	1.044640543	0.89956148	0.9447972	0.8135843
A_55_P2049	11449.4	Detected	9090.7	Detected	8589.1	Detected	11960.4	Detected	Pld2	1.04463116	0.75017905	1.31567426	0.9448227
A_55_P2007	2507.6	Detected	2552.9	Detected	2910.3	Detected	2619.4	Detected	Xndr-trpc2	1.044584463	1.1605918	1.02604881	1.1399976
A_55_P2114	4378.9	Detected	3420.7	Detected	3812.8	Detected	4574	Detected	Commd8	1.044554568	0.87072096	1.33715321	1.1146257
A_51_P1507	1246.8	Detected	1538.7	Detected	1127.7	Detected	1302.3	Detected	Ropn11	1.044513956	0.90447546	0.84636381	0.7328914
A_55_P1989	2916.6	Detected	2212.9	Detected	1401.7	Detected	3046.2	Detected	Mmp11	1.044435301	0.48059384	1.37656469	0.6334222
A_55_P2068	8581.9	Detected	7504.4	Detected	9325.4	Detected	8963	Detected	Anapc15	1.044407416	1.08663583	1.19436597	1.2426576
A_51_P3072	11222.9	Detected	10300.2	Detected	12258	Detected	11721.2	Detected	Ppp5c	1.044400289	1.09223106	1.13795849	1.190074
A_55_P1959	582	Detected	447.1	Detected	586.2	Detected	607.8	Detected	Mcm8	1.044329897	1.00721649	1.35942742	1.3111161
A_55_P2082	622.9	Detected	583.8	Detected	791.3	Detected	650.5	Detected	Vps13a	1.044308878	1.27034837	1.11425146	1.3554299
A_55_P2100	2047.8	Detected	2200	Detected	2166	Detected	2138.5	Detected	Arnt	1.044291435	1.05772048	0.97204545	0.9845455
A_55_P2010	618.8	Detected	643.9	Detected	575	Detected	646.2	Detected	Scn4a	1.04427925	0.92921784	1.00357198	0.8929958
A_51_P3384	20194.3	Detected	14218.9	Detected	16611.5	Detected	21087.8	Detected	Numa1	1.044245158	0.8225836	1.48308238	1.168269
A_66_P1223	2186	Detected	2147.4	Detected	2103	Detected	2282.7	Detected	Ppp4r2	1.044236048	0.96203111	1.06300643	0.9793238
A_55_P2041	268297.1	Detected	282856.5	Detected	289908.3	Detected	280165.3	Detected	Gm6404	1.04423529	1.08054951	0.99048563	1.0249307
A_55_P1999	3277.2	Detected	3058.8	Detected	2907.4	Detected	3421.9	Detected	Bag5	1.044153546	0.88715977	1.11870668	0.9505035
A_52_P6337	1727.9	Detected	1935.9	Detected	1671.6	Detected	1804	Detected	Troap	1.044041901	0.9674171	0.93186632	0.8634744
A_51_P5211	11264	Detected	8174.3	Detected	10741.5	Detected	11760	Detected	Caml	1.044034091	0.95361328	1.4386553	1.3140575
A_55_P1985	8230.6	Detected	9110.3	Detected	7698.3	Detected	8593	Detected	Mettl16	1.044030812	0.93532671	0.94321812	0.8450106
A_55_P2177	481.7	Detected	460.7	Detected	477.8	Detected	502.9	Detected	Prrg2	1.044010795	0.99190367	1.09159974	1.0371174
A_55_P2283	93.2	Detected	49.3	Detected	55	Detected	97.3	Detected	2810455B08Rik	1.043991416	0.59012876	1.97363083	1.1156187
A_55_P1989	144787.3	Detected	129444.8	Detected	155163	Detected	151152.6	Detected	Rps17	1.04396311	1.07166167	1.16769928	1.1986808
A_52_P6600	3031.4	Detected	3653	Detected	2460.8	Detected	3164.4	Detected	Cpsf2	1.043874118	0.81177014	0.86624692	0.6736381
A_55_P2031	298.7	Detected	288.9	Detected	244.2	Detected	311.8	Detected	Efna3	1.043856712	0.81754268	1.07926618	0.8452752
A_52_P4129	465.4	Detected	487.7	Detected	511	Detected	485.8	Detected	Tmem209	1.043833262	1.09798023	0.99610416	1.0477753
A_55_P2066	192.1	Detected	173.2	Detected	160.4	Detected	200.5	Detected	Sctr	1.043727225	0.83498178	1.15762125	0.926097
A_55_P2066	159235.2	Detected	133105.7	Detected	165677.3	Detected	166161.9	Detected	Serpnb6a	1.043499804	1.04045651	1.24834549	1.2447048
A_55_P1974	42854.1	Detected	31029.6	Detected	50885	Detected	44718.2	Detected	Npdc1	1.043498755	1.18740097	1.44114652	1.6398858
A_52_P4850	1912.8	Detected	1157.6	Detected	1767.2	Detected	1996	Detected	Abca2	1.043496445	0.92388122	1.72425708	1.5266068
A_52_P2280	32.2	Detected	38.3	Detected	39.1	Detected	33.6	Not Detect	Ipmk	1.043478261	1.21428571	0.8772846	1.0208877
A_55_P2045	133.5	Detected	117.9	Detected	165.9	Detected	139.3	Detected	Defa-rs12	1.043445693	1.24269663	1.18150975	1.4071247
A_55_P2038	4583.4	Detected	4295.3	Detected	4148.3	Detected	4782.3	Detected	Zfp687	1.043395732	0.90507047	1.11337974	0.9657765
A_52_P9306	1482.3	Detected	1189.5	Detected	1196.8	Detected	1546.6	Detected	Klhl42	1.043378533	0.80739391	1.30021017	1.006137
A_52_P6846	235.3	Detected	211.8	Detected	213.8	Detected	245.5	Detected	Ankmy2	1.043348916	0.90862728	1.15911237	1.0094429
A_52_P5064	143.1	Detected	165.3	Detected	168.9	Detected	149.3	Detected	Arhgap27	1.043326345	1.1802935	0.90320629	1.0217786
A_55_P2046	47657.3	Detected	53585.9	Detected	36207.6	Detected	49721.2	Detected	Tax1bp3	1.043307111	0.75974929	0.92787842	0.6756927
A_66_P1113	1323.8	Detected	1156.9	Detected	1047.8	Detected	1381.1	Detected	Klhl28	1.043284484	0.79150929	1.19379376	0.9056963
A_51_P1632	2811.4	Detected	2979.2	Detected	2694.1	Detected	2933	Detected	2810403A07Rik	1.043252472	0.95827702	0.98449248	0.9043032
A_51_P2242	1597.7	Detected	1626.6	Detected	1242.7	Detected	1666.8	Detected	Rlf	1.043249671	0.7778056	1.02471413	0.7639862
A_55_P2003	25.5	Detected	7	Not Detect	18.2	Detected	26.6	Not Detect	Gm6436	1.043137255	0.71372549	3.8	2.6

A_55_P2089	178.5	Detected	176.6	Detected	152	Detected	186.2	Detected	Tbx22	1.043137255	0.85154062	1.05436014	0.8607022
A_52_P2658	788.7	Detected	525.3	Detected	773.6	Detected	822.7	Detected	Ccdc9	1.043108913	0.98085457	1.56615267	1.4726823
A_51_P4774	4508.3	Detected	3673.2	Detected	4419.9	Detected	4702.3	Detected	Sec23ip	1.043031741	0.98039172	1.28016443	1.2032832
A_52_P1077	557.9	Detected	429.9	Detected	375.1	Detected	581.9	Detected	Heatr6	1.043018462	0.67234271	1.3535706	0.8725285
A_55_P2179	25.6	Detected	27.1	Detected	37.4	Detected	26.7	Not Detect	Prss33	1.04296875	1.4609375	0.98523985	1.3800738
A_55_P2003	971.4	Detected	1094.8	Detected	919.8	Detected	1013.1	Detected	Pfn1	1.042927733	0.94688079	0.9253745	0.8401535
A_55_P2013	739.4	Detected	608.8	Detected	631.2	Detected	771.1	Detected	Brat1	1.042872599	0.85366513	1.26659001	1.0367937
A_55_P2117	126	Detected	139.3	Detected	120.4	Detected	131.4	Detected	Zbtb49	1.042857143	0.95555556	0.94328787	0.8643216
A_52_P1572	1774.2	Detected	1196.5	Detected	1763.7	Detected	1850.1	Detected	Abi1	1.042779844	0.99408184	1.54625992	1.4740493
A_55_P2067	418.9	Detected	376.6	Detected	468.6	Detected	436.8	Detected	Lce3d	1.042730962	1.11864407	1.1598513	1.244291
A_51_P3482	880.3	Detected	841.6	Detected	853.9	Detected	917.9	Detected	Il17ra	1.042712712	0.97001022	1.09066065	1.014615
A_66_P1065	16.4	Detected	11.7	Not Detect	19.7	Detected	17.1	Not Detect	Olf156	1.042682927	1.20121951	1.46153846	1.6837607
A_55_P2148	21.1	Detected	11.8	Not Detect	15.8	Detected	22	Not Detect	Gpr61	1.042654028	0.74881517	1.86440678	1.3389831
A_55_P2147	117.4	Detected	112	Detected	121.5	Detected	122.4	Detected	C2cd4a	1.042589438	1.03492334	1.09285714	1.0848214
A_66_P1327	1665.5	Detected	1869	Detected	1267.9	Detected	1736.4	Detected	Cep68	1.042569799	0.76127289	0.92905297	0.6783842
A_51_P2159	192.7	Detected	156.7	Detected	145.2	Detected	200.9	Detected	Chrd	1.042553191	0.75350285	1.28206765	0.9266114
A_52_P6829	9848.3	Detected	8764.2	Detected	10912.9	Detected	10267.2	Detected	Timm50	1.04253526	1.10809988	1.17149312	1.2451678
A_55_P2107	5675.9	Detected	5258.9	Detected	6924.9	Detected	5917.2	Detected	Pbx3	1.042513082	1.22005321	1.12517827	1.3167963
A_51_P3420	26118.7	Detected	28260.1	Detected	30907.1	Detected	27227	Detected	Cnpy2	1.042433199	1.18333225	0.96344316	1.0936656
A_55_P1996	303501.4	Detected	266840.1	Detected	335558.1	Detected	316363.8	Detected	Rpl29	1.042380035	1.10562291	1.18559317	1.257525
A_55_P2006	1467.3	Detected	1431.1	Detected	1824.3	Detected	1529.4	Detected	Ntrk2	1.042322633	1.24330403	1.06868842	1.2747537
A_55_P1954	288.3	Detected	164	Detected	294.2	Detected	300.5	Detected	Vps13c	1.042317031	1.02046479	1.83231707	1.7939024
A_55_P2107	2129.8	Detected	2152.5	Detected	1570.5	Detected	2219.7	Detected	Hectd1	1.042210536	0.73739318	1.03121951	0.7296167
A_51_P3773	2102.2	Detected	2127.6	Detected	2132.7	Detected	2190.9	Detected	Ndst2	1.042193892	1.01450861	1.02975183	1.0023971
A_55_P1983	9.5	Not Detect	20.5	Detected	3.6	Not Detect	9.9	Not Detect	Casp12	1.042105263	0.37894737	0.48292683	0.1756098
A_52_P3262	1409.4	Detected	1140.7	Detected	1103.2	Detected	1468.7	Detected	Cttn	1.042074642	0.78274443	1.28754274	0.9671254
A_55_P2042	55845.5	Detected	61829.7	Detected	54729.1	Detected	58193.5	Detected	Slc25a3	1.042044569	0.98000913	0.94119008	0.8851588
A_55_P1975	164.2	Detected	127.8	Detected	184.6	Detected	171.1	Detected	Cpped1	1.042021924	1.12423873	1.33881064	1.4444444
A_55_P2139	3092.9	Detected	1918.6	Detected	2722.8	Detected	3222.8	Detected	Fbxo18	1.041999418	0.88033884	1.6797665	1.4191598
A_55_P2008	259337.7	Detected	270776.2	Detected	236147.5	Detected	270218.7	Detected	Gm5506	1.041956877	0.91057914	0.9979411	0.8721132
A_51_P4947	50.1	Detected	7.4	Not Detect	18.7	Detected	52.2	Detected	Mael	1.041916168	0.37325349	7.05405405	2.527027
A_51_P4742	88.4	Detected	65.1	Detected	79.1	Detected	92.1	Detected	Spatc11	1.041855204	0.89479638	1.41474654	1.2150538
A_55_P2091	14016	Detected	11940.1	Detected	14198.1	Detected	14602.6	Detected	Hist1h4k	1.041852169	1.01299229	1.22298808	1.1891106
A_55_P2038	47.8	Detected	48.4	Detected	20	Detected	49.8	Detected	Slc9a5	1.041841004	0.41841004	1.02892562	0.4132231
A_52_P5752	45930.8	Detected	57289.2	Detected	39394.3	Detected	47851.9	Detected	Sin3b	1.041825964	0.85768809	0.83526913	0.6876392
A_55_P1973	21909.2	Detected	15060.7	Detected	28841.3	Detected	22824.7	Detected	5730559C18Rik	1.041786099	1.31640133	1.51551389	1.915004
A_52_P5785	792.3	Detected	768.6	Detected	566.3	Detected	825.4	Detected	Slc41a1	1.041777105	0.71475451	1.0739006	0.7367942
A_55_P2129	14135.4	Detected	14049	Detected	16622.5	Detected	14725.3	Detected	Mre11a	1.041732105	1.17594833	1.04813866	1.1831803
A_55_P2054	22704.8	Detected	18717.1	Detected	23546.1	Detected	23652.1	Detected	Ube2v2	1.041722455	1.03705384	1.26366264	1.2579994
A_55_P2118	318.9	Detected	377.6	Detected	245.5	Detected	332.2	Detected	1700054O19Rik	1.041705864	0.7698338	0.87976695	0.6501589

A_55_P2030	19.2 Detected	14.1 Not Detect	8.9 Not Detect	20 Not Detect	Rsph4a	1.04166667	0.46354167	1.41843972	0.6312057
A_51_P4678	362.5 Detected	358.9 Detected	168.9 Detected	377.6 Detected	Ap3m2	1.041655172	0.46593103	1.05210365	0.4706046
A_55_P2149	59295.1 Detected	54084 Detected	71526.5 Detected	61757 Detected	Atp5k	1.041519451	1.20628011	1.1418719	1.3225076
A_52_P5921	2220.6 Detected	2408.5 Detected	1956.6 Detected	2312.6 Detected	Brf1	1.041430244	0.88111321	0.96018269	0.8123728
A_51_P2753	8962.3 Detected	8640.8 Detected	10143.3 Detected	9333.6 Detected	Pten	1.041429097	1.13177421	1.08017776	1.1738844
A_51_P5017	33.8 Detected	33.4 Detected	37.7 Detected	35.2 Not Detect	Slc35f3	1.041420118	1.11538462	1.05389222	1.1287425
A_51_P2234	60153.6 Detected	52656.3 Detected	69540.3 Detected	62644.8 Detected	Cd81	1.04141398	1.15604552	1.1896924	1.3206454
A_55_P2171	56535.8 Detected	58368.6 Detected	66638.7 Detected	58876.2 Detected	Hnrnpc	1.041396779	1.17869916	1.00869646	1.1416875
A_55_P2103	14.5 Detected	20 Detected	29.9 Detected	15.1 Not Detect	Mid2	1.04137931	2.06206897	0.755	1.495
A_55_P2060	2300.3 Detected	2033 Detected	2443.2 Detected	2395.4 Detected	Zfp352	1.041342434	1.06212233	1.17825873	1.2017708
A_51_P5156	2090 Detected	1711 Detected	2061.8 Detected	2176.4 Detected	Qpctl	1.041339713	0.98650718	1.27200468	1.2050263
A_52_P4401	184 Detected	156.4 Detected	130.7 Detected	191.6 Detected	Dcaf10	1.041304348	0.71032609	1.22506394	0.8356777
A_55_P1974	47158.9 Detected	39563.2 Detected	47606.6 Detected	49103.8 Detected	Hp1bp3	1.04124142	1.00949344	1.24114834	1.2033051
A_55_P2043	167.4 Detected	259.1 Detected	139.9 Detected	174.3 Detected	Atxn7l2	1.041218638	0.83572282	0.67271324	0.539946
A_55_P2199	63.1 Detected	70.6 Detected	84.9 Detected	65.7 Detected	Il22	1.041204437	1.34548336	0.9305949	1.2025496
A_51_P4293	114.1 Detected	142.4 Detected	50.2 Detected	118.8 Detected	Prss16	1.041191937	0.43996494	0.83426966	0.3525281
A_55_P2184	34 Detected	30.5 Detected	28.2 Detected	35.4 Not Detect	Sppl2c	1.041176471	0.82941176	1.16065574	0.9245902
A_55_P2145	787.1 Detected	412.3 Detected	507.8 Detected	819.5 Detected	Eef2k	1.041163766	0.64515309	1.98763037	1.2316275
A_55_P2146	428.4 Detected	575.7 Detected	414.8 Detected	446 Detected	Nop9	1.0410831	0.96825397	0.77470905	0.7205142
A_55_P2127	8073.8 Detected	8366.1 Detected	8445.7 Detected	8405.2 Detected	4933434E20Rik	1.041046347	1.04606257	1.00467362	1.0095146
A_55_P1958	8700.3 Detected	9234 Detected	11058.6 Detected	9057.3 Detected	Arf2	1.041033068	1.27105962	0.9808642	1.1975958
A_55_P2098	2886.7 Detected	3375.3 Detected	2814.8 Detected	3005 Detected	Mcrs1	1.040981051	0.97509267	0.89029123	0.8339407
A_55_P1988	29.3 Detected	25 Detected	8.5 Not Detect	30.5 Not Detect	Gm5953	1.040955631	0.29010239	1.22	0.34
A_55_P1968	1010.1 Detected	1050.2 Detected	825.6 Detected	1051.4 Detected	Gpatch2l	1.040887041	0.81734482	1.00114264	0.786136
A_55_P1991	134.7 Detected	105.1 Detected	121 Detected	140.2 Detected	Mtcp1	1.040831477	0.8982925	1.33396765	1.1512845
A_55_P1968	9.8 Not Detect	12 Not Detect	50.8 Detected	10.2 Not Detect	Rdh7	1.040816327	5.18367347	0.85	4.2333333
A_55_P2200	17.2 Detected	31.9 Detected	33.6 Detected	17.9 Not Detect	Zfp389	1.040697674	1.95348837	0.56112853	1.0532915
A_52_P2907	1487.3 Detected	928.3 Detected	999.5 Detected	1547.8 Detected	Arfgef2	1.040677738	0.67202313	1.66734892	1.0766993
A_51_P1518	2610.5 Detected	2168.5 Detected	2150.9 Detected	2716.4 Detected	Urb1	1.040566941	0.82394177	1.25266313	0.9918838
A_55_P2003	66.6 Detected	40.5 Detected	64.8 Detected	69.3 Detected	Unkl	1.040540541	0.97297297	1.71111111	1.6
A_55_P2085	639.4 Detected	533.1 Detected	457.3 Detected	665.3 Detected	Lrdd	1.040506725	0.71520175	1.24798349	0.8578128
A_55_P2020	1654.1 Detected	986.4 Detected	865.8 Detected	1721.1 Detected	Trim3	1.040505411	0.52342664	1.74482968	0.8777372
A_55_P1984	11888.2 Detected	9463.4 Detected	13380.5 Detected	12368.8 Detected	Bloc1s2	1.040426642	1.12552783	1.30701439	1.413921
A_51_P4997	608.6 Detected	831.1 Detected	737.6 Detected	633.2 Detected	Denr	1.040420638	1.21196188	0.76188184	0.8874985
A_51_P3292	70477.6 Detected	81862.4 Detected	94324.2 Detected	73324.9 Detected	Chchd1	1.04040007	1.33835715	0.89570914	1.1522286
A_51_P1568	3184.1 Detected	2472.8 Detected	3446.9 Detected	3312.5 Detected	Mob2	1.040325367	1.0825351	1.33957457	1.3939259
A_66_P1145	24.8 Detected	21.1 Detected	30 Detected	25.8 Not Detect	Olfcr616	1.040322581	1.20967742	1.22274882	1.4218009
A_55_P2059	20228.4 Detected	21503.3 Detected	16415.9 Detected	21041.9 Detected	Rcc1	1.040215736	0.81152736	0.97854283	0.7634131
A_55_P1986	810.7 Detected	723.1 Detected	789.2 Detected	843.3 Detected	Gm19668	1.040212162	0.97347971	1.16622874	1.091412
A_55_P2100	39980.3 Detected	34574.7 Detected	40124.8 Detected	41587.2 Detected	Pygo2	1.040192295	1.00361428	1.20282172	1.1605249

A_55_P1997	122.1	Detected	118.5	Detected	106.9	Detected	127	Detected	Elmsan1	1.04013104	0.87551188	1.07172996	0.9021097
A_66_P1178	2891.5	Detected	2350.5	Detected	2148.6	Detected	3007.4	Detected	Dhx29	1.040083002	0.74307453	1.27947245	0.9141034
A_55_P2120	7495.1	Detected	7828.2	Detected	7512.7	Detected	7795.1	Detected	Dld	1.04002615	1.0023482	0.9957717	0.959697
A_51_P3061	10	Not Detect	119.1	Detected	3.9	Not Detect	10.4	Not Detect	Sgk3	1.04	0.39	0.08732158	0.0327456
A_51_P4139	2323.2	Detected	2303.1	Detected	2240.2	Detected	2415.9	Detected	Pgrmc2	1.03990186	0.96427342	1.04897747	0.972689
A_52_P2614	305.8	Detected	321.2	Detected	214.3	Detected	318	Detected	Gabpb1	1.039895356	0.70078483	0.99003736	0.6671856
A_51_P2566	2649.7	Detected	1998.6	Detected	2529	Detected	2755.3	Detected	Kpna1	1.039853568	0.95444767	1.37861503	1.2653858
A_55_P2007	121857.3	Detected	128567	Detected	159170.4	Detected	126706.9	Detected	Snrpg	1.03979737	1.30620324	0.98553206	1.2380346
A_55_P2031	13690.1	Detected	11658	Detected	11675.5	Detected	14234.9	Detected	Ggnbp2	1.03979518	0.85284257	1.22104134	1.0015011
A_55_P1956	43941.6	Detected	49888.4	Detected	51369.6	Detected	45685.9	Detected	Gm10094	1.039695869	1.16904255	0.91576198	1.0296903
A_55_P2315	7860.5	Detected	6586.6	Detected	6405.3	Detected	8172.1	Detected	Gripap1	1.039641244	0.81487183	1.240716	0.9724744
A_55_P1957	2621.5	Detected	1699.8	Detected	2976.6	Detected	2725.3	Detected	Pdcl	1.039595651	1.1354568	1.60330627	1.7511472
A_55_P2019	1419.7	Detected	1099	Detected	1100.2	Detected	1475.9	Detected	Flii	1.039585828	0.77495245	1.34294813	1.0010919
A_55_P2047	86265.8	Detected	73354.3	Detected	70652.7	Detected	89680.6	Detected	Arhgdia	1.039584633	0.81901171	1.22256773	0.9631705
A_51_P4258	1058.7	Detected	1170.8	Detected	1447	Detected	1100.6	Detected	Fam132a	1.03957684	1.36677057	0.940041	1.2359071
A_55_P2166	187	Detected	176.1	Detected	211.6	Detected	194.4	Detected	Traf3ip1	1.039572193	1.1315508	1.10391823	1.20159
A_52_P3236	1956.7	Detected	3288.7	Detected	314.1	Detected	2034.1	Detected	Hmgn3	1.039556396	0.16052537	0.61851187	0.0955089
A_55_P1973	48349.2	Detected	32196.1	Detected	54733.6	Detected	50261.1	Detected	Bag1	1.039543571	1.13204769	1.5610928	1.7000071
A_55_P1999	42462.5	Detected	41376.3	Detected	43014.9	Detected	44140.8	Detected	Cox7c	1.039524286	1.01300913	1.06681361	1.0396024
A_52_P1136	2556.3	Detected	1611.1	Detected	2062.8	Detected	2657.3	Detected	Chml	1.03951023	0.80694754	1.64937	1.2803675
A_51_P3379	4197.6	Detected	2374.2	Detected	3538.6	Detected	4363.4	Detected	Aldh4a1	1.039498761	0.84300553	1.83784011	1.4904389
A_55_P2121	85392.1	Detected	76088.1	Detected	100573.7	Detected	88760.6	Detected	LOC101055744	1.039447443	1.17778694	1.16655035	1.3218059
A_55_P2078	955.8	Detected	1081.9	Detected	1162.5	Detected	993.5	Detected	Gin1	1.039443398	1.21625863	0.91829189	1.0744986
A_55_P2137	2348	Detected	1880.4	Detected	2127	Detected	2440.6	Detected	Rnf220	1.039437819	0.90587734	1.29791534	1.1311423
A_51_P3366	19089.4	Detected	13406.7	Detected	19608.9	Detected	19841.9	Detected	Dexi	1.039419783	1.02721406	1.47999881	1.4626194
A_55_P2249	414	Detected	333.6	Detected	312.2	Detected	430.3	Detected	A430102J17Rik	1.039371981	0.75410628	1.28986811	0.9358513
A_51_P4419	2435.1	Detected	3137.7	Detected	3243.1	Detected	2530.9	Detected	Tial1	1.0393413	1.33181389	0.80660994	1.0335915
A_55_P1983	73565.8	Detected	73385.2	Detected	77845.1	Detected	76450.4	Detected	Tmed10	1.039211155	1.05816969	1.04176864	1.0607738
A_55_P2172	341.8	Detected	356.9	Detected	368.2	Detected	355.2	Detected	Zfp384	1.039204213	1.07723815	0.99523676	1.0316615
A_51_P3442	644	Detected	340.5	Detected	700.1	Detected	669.2	Detected	Apbb1	1.039130435	1.0871118	1.96534508	2.056094
A_55_P2027	403595.6	Detected	407155.3	Detected	452728.4	Detected	419372.8	Detected	Fau	1.039091606	1.1217377	1.03000698	1.1119305
A_51_P4779	12471	Detected	9168	Detected	8736	Detected	12957.8	Detected	Kdm5c	1.03903456	0.70050517	1.4133726	0.9528796
A_52_P5212	6649.2	Detected	5550.5	Detected	6009.4	Detected	6906.5	Detected	Leo1	1.038696385	0.9037779	1.24430232	1.0826772
A_55_P2044	228041.2	Detected	222380.2	Detected	258564.3	Detected	236859.8	Detected	Rpl28	1.038671082	1.13384906	1.06511191	1.1627128
A_55_P1999	35688.2	Detected	34919.2	Detected	39456.6	Detected	37066.4	Detected	Josd1	1.038617806	1.10559232	1.06149053	1.12994
A_66_P1274	21536	Detected	19438.3	Detected	21905.2	Detected	22365.8	Detected	Tial1	1.038530832	1.01714339	1.15060473	1.1269092
A_51_P2361	12504.8	Detected	14778	Detected	14055.9	Detected	12985.1	Detected	Polr1a	1.038409251	1.12404037	0.87867776	0.9511368
A_55_P2038	731.7	Detected	548	Detected	751.2	Detected	759.8	Detected	Tpmt	1.038403717	1.02665027	1.38649635	1.3708029
A_55_P2183	1390.7	Detected	1840.5	Detected	1761.2	Detected	1444.1	Detected	9130401M01Rik	1.038397929	1.2664126	0.78462374	0.9569139
A_51_P2968	1172.1	Detected	985.2	Detected	997.6	Detected	1217.1	Detected	Msi1	1.038392629	0.85112192	1.23538368	1.0125863

A_55_P2139	583.5 Detected	598.5 Detected	524.2 Detected	605.9 Detected	Ldoc11	1.038389032	0.89837189	1.01236424	0.8758563
A_55_P1987	269673.7 Detected	268529.6 Detected	264896.6 Detected	280024.2 Detected	Gm15501	1.03838157	0.98228563	1.04280571	0.9864708
A_55_P2387	39.1 Detected	36.2 Detected	15.7 Not Detect	40.6 Not Detect	4930471M09Rik	1.038363171	0.40153453	1.12154696	0.4337017
A_55_P2149	235 Detected	197.8 Detected	175.3 Detected	244 Detected	Srsf11	1.038297872	0.74595745	1.23356926	0.8862487
A_52_P5569	18.3 Detected	20.3 Detected	22.1 Detected	19 Not Detect	Dlx6	1.038251366	1.20765027	0.93596059	1.08867
A_55_P1983	96.8 Detected	74 Detected	112.6 Detected	100.5 Detected	Tmed1	1.03822314	1.16322314	1.35810811	1.5216216
A_51_P4377	29589.9 Detected	30860.1 Detected	29852.2 Detected	30720.2 Detected	Rbm28	1.038198845	1.00886451	0.99546664	0.9673397
A_51_P2055	2241.8 Detected	2274.4 Detected	2742.1 Detected	2327.4 Detected	Crel1	1.038183602	1.22316888	1.02330285	1.2056367
A_51_P2735	635 Detected	531.8 Detected	746.2 Detected	659.2 Detected	Ube2g1	1.038110236	1.17511811	1.23956375	1.4031591
A_51_P1280	3406 Detected	3392.7 Detected	3964.9 Detected	3535.8 Detected	Prcc	1.038109219	1.16409278	1.0421788	1.1686562
A_55_P2183	18196.5 Detected	15767.1 Detected	22117.1 Detected	18889.8 Detected	Gm11449	1.038100734	1.21545902	1.19805164	1.4027373
A_55_P2121	363286.7 Detected	374530.3 Detected	349361.7 Detected	377112 Detected	Rps20	1.038056169	0.96166939	1.00689317	0.9327996
A_55_P2067	1660.8 Detected	1360.2 Detected	1710.5 Detected	1724 Detected	Tas2r113	1.03805395	1.02992534	1.26746067	1.2575357
A_51_P4371	16637.4 Detected	14172 Detected	14216.6 Detected	17270 Detected	Dynll2	1.038022768	0.8544965	1.21860006	1.0031471
A_55_P2177	15.8 Detected	13 Not Detect	14.9 Not Detect	16.4 Not Detect	Gm4981	1.037974684	0.94303797	1.26153846	1.1461538
A_55_P2144	14569.4 Detected	12607.5 Detected	14779.5 Detected	15122.4 Detected	Nnt	1.037956264	1.01442064	1.1994765	1.1722784
A_52_P6861	14764.5 Detected	10216.4 Detected	11128.2 Detected	15324.9 Detected	Prcc2b	1.037955908	0.7537133	1.50002936	1.0892487
A_51_P3045	5877.7 Detected	5046.8 Detected	6506.6 Detected	6100.7 Detected	Cluap1	1.037940011	1.10699764	1.20882539	1.2892526
A_52_P3087	31849.9 Detected	36475.8 Detected	26577.6 Detected	33057.2 Detected	Gm5176	1.037905927	0.83446416	0.90627759	0.7286365
A_55_P1975	1277.1 Detected	1103.5 Detected	989.9 Detected	1325.5 Detected	2210417A02Rik	1.037898363	0.7751155	1.20117807	0.8970548
A_55_P1975	441 Detected	322.2 Detected	402.3 Detected	457.7 Detected	Ttc34	1.037868481	0.9122449	1.42054624	1.2486034
A_55_P1984	947.2 Detected	836.2 Detected	1032.1 Detected	983 Detected	Smarcc1	1.037795608	1.0896326	1.17555609	1.2342741
A_55_P2042	33028.6 Detected	27483.7 Detected	38790.5 Detected	34275.7 Detected	Pigq	1.037758185	1.17445184	1.2471283	1.4114002
A_66_P1324	10463.5 Detected	8296 Detected	9242.5 Detected	10856.9 Detected	Siglece	1.037597362	0.88330864	1.30869094	1.1140911
A_55_P2086	726.4 Detected	553.1 Detected	624.2 Detected	753.7 Detected	Fam3a	1.037582599	0.85930617	1.36268306	1.1285482
A_55_P1954	388985.5 Detected	365896.8 Detected	343740.6 Detected	403578.5 Detected	Slc10a1	1.037515537	0.88368487	1.1029845	0.9394469
A_51_P2670	16 Detected	14 Not Detect	17.4 Not Detect	16.6 Not Detect	Ugt3a2	1.0375	1.0875	1.18571429	1.2428571
A_55_P2214	571.5 Detected	499.2 Detected	649.8 Detected	592.9 Detected	4930519A11Rik	1.037445319	1.13700787	1.18770032	1.3016827
A_55_P2143	50.8 Detected	41.6 Detected	51.2 Detected	52.7 Detected	Kcnd1	1.037401575	1.00787402	1.26682692	1.2307692
A_66_P1270	59379.1 Detected	66669.4 Detected	60070.1 Detected	61596.7 Detected	Mbd3	1.037346474	1.01163709	0.92391262	0.9010146
A_51_P4588	34956.1 Detected	25308.9 Detected	31978.3 Detected	36256.1 Detected	F11r	1.037189503	0.91481315	1.43254349	1.2635199
A_51_P1195	16685.4 Detected	12648.2 Detected	16024.2 Detected	17305.3 Detected	Ap3b1	1.037152241	0.96037254	1.36820259	1.2669155
A_51_P2207	13665.3 Detected	12333.9 Detected	17429.2 Detected	14172.2 Detected	B230118H07Rik	1.037093953	1.27543486	1.1490445	1.4131135
A_55_P2038	5545.1 Detected	4880.3 Detected	6256 Detected	5750.5 Detected	Acot8	1.037041713	1.12820328	1.17830871	1.2818884
A_55_P2164	32.4 Detected	29.8 Detected	35.6 Detected	33.6 Not Detect	Clec2l	1.037037037	1.09876543	1.12751678	1.1946309
A_51_P2534	8.1 Not Detect	15.6 Detected	3 Not Detect	8.4 Not Detect	Ces1g	1.037037037	0.37037037	0.53846154	0.1923077
A_55_P1982	580.5 Detected	543.7 Detected	503.8 Detected	602 Detected	Dcaf10	1.037037037	0.86787252	1.10722825	0.9266139
A_66_P1273	378.7 Detected	439.2 Detected	442.4 Detected	392.7 Detected	Esco1	1.036968577	1.16820702	0.89412568	1.007286
A_55_P2065	27.1 Detected	27.9 Detected	29.9 Detected	28.1 Not Detect	Tcra	1.036900369	1.10332103	1.00716846	1.0716846
A_52_P2057	3529.9 Detected	3847.8 Detected	3601 Detected	3659.9 Detected	Unc119b	1.036828239	1.02014221	0.9511669	0.9358595

A_55_P2134	62683.7	Detected	75084.9	Detected	57343.9	Detected	64984.6	Detected	Gm6115	1.036706512	0.91481358	0.86548161	0.7637208
A_51_P2467	466.1	Detected	405.9	Detected	358.3	Detected	483.2	Detected	Mlxip	1.036687406	0.76871916	1.190441	0.8827297
A_55_P2021	79.2	Detected	75.3	Detected	78.3	Detected	82.1	Detected	Elk4	1.036616162	0.98863636	1.09030544	1.0398406
A_55_P1973	6857.1	Detected	6957.3	Detected	5019.1	Detected	7107.9	Detected	Ipo13	1.036575229	0.73195666	1.02164633	0.7214149
A_55_P2029	318804.5	Detected	337973	Detected	343070.9	Detected	330454.3	Detected	Rpl34	1.036542144	1.07611687	0.97775355	1.0150837
A_55_P1961	11661	Detected	9651.9	Detected	10569.4	Detected	12087.1	Detected	Usp16	1.036540605	0.90638882	1.25230266	1.095059
A_55_P1990	840.3	Detected	460.8	Detected	196.9	Detected	871	Detected	Trnp1	1.036534571	0.23432108	1.89019097	0.4273003
A_51_P3609	1977.2	Detected	1649.5	Detected	2423.8	Detected	2049.4	Detected	Mbtd1	1.036516286	1.22587497	1.2424371	1.469415
A_51_P3134	2618.9	Detected	1564.1	Detected	2308.3	Detected	2714.5	Detected	Dyrk1a	1.036503876	0.88140059	1.73550285	1.4758008
A_52_P1515	13.7	Detected	15.1	Detected	5.2	Not Detect	14.2	Not Detect	Catsperg1	1.03649635	0.37956204	0.94039735	0.3443709
A_52_P5556	2750	Detected	2816.5	Detected	3022.9	Detected	2850.1	Detected	Vrk1	1.0364	1.09923636	1.0119297	1.0732824
A_55_P1976	208.9	Detected	406.7	Detected	136.9	Detected	216.5	Detected	A430089I19Rik	1.036381044	0.65533748	0.53233342	0.3366118
A_55_P2004	19440.7	Detected	25850.8	Detected	23089.5	Detected	20146.5	Detected	Hddc2	1.036305277	1.18768871	0.77933758	0.8931832
A_65_P0899	44.1	Detected	38.4	Detected	35.6	Detected	45.7	Detected	Dzip3	1.036281179	0.80725624	1.19010417	0.9270833
A_55_P2326	88.3	Detected	76.5	Detected	72.1	Detected	91.5	Detected	5730408K05Rik	1.036240091	0.81653454	1.19607843	0.9424837
A_52_P2297	18720.4	Detected	17088.2	Detected	17346.1	Detected	19398.4	Detected	Cdc42	1.036217175	0.92658811	1.13519271	1.0150923
A_55_P2182	249	Detected	208.5	Detected	225	Detected	258	Detected	4833439L19Rik	1.036144578	0.90361446	1.23741007	1.0791367
A_51_P3413	9987.6	Detected	10566.1	Detected	8851.6	Detected	10348.2	Detected	Acad9	1.03610477	0.88625896	0.97937744	0.8377358
A_51_P2185	1614.9	Detected	1265	Detected	1701.7	Detected	1673.2	Detected	Fiz1	1.036101307	1.05374946	1.32268775	1.3452174
A_52_P7183	7404.8	Detected	8199.4	Detected	6422.7	Detected	7672	Detected	Tmem248	1.036084702	0.86736981	0.93567822	0.7833134
A_55_P1987	344	Detected	341.3	Detected	358.7	Detected	356.4	Detected	Gm4559	1.036046512	1.04273256	1.0442426	1.0509815
A_55_P1999	749.8	Detected	692.1	Detected	618	Detected	776.8	Detected	Ccdc42	1.036009603	0.82421979	1.12238116	0.8929345
A_55_P2036	108.4	Detected	94.8	Detected	76.5	Detected	112.3	Detected	Fhl5	1.03597786	0.70571956	1.18459916	0.806962
A_66_P1221	2821.7	Detected	2523.9	Detected	2762.4	Detected	2923.2	Detected	Mitd1	1.035971223	0.9789843	1.15820754	1.0944966
A_55_P2008	170568.3	Detected	136154.8	Detected	170303.5	Detected	176694.9	Detected	Prelid1	1.035918749	0.99844754	1.29775006	1.2508079
A_51_P2920	412.7	Detected	410.8	Detected	388.7	Detected	427.5	Detected	Uts2r	1.035861401	0.94184638	1.04065239	0.9462025
A_51_P3206	25860.2	Detected	26571	Detected	22962.1	Detected	26782.7	Detected	Txnrnd1	1.035672578	0.88793203	1.00796733	0.864179
A_55_P2039	949.1	Detected	1287.6	Detected	997.9	Detected	982.9	Detected	Twistnb	1.035612686	1.05141713	0.76335819	0.7750078
A_51_P5029	10313.3	Detected	7489.7	Detected	9849.4	Detected	10680.4	Detected	Tmem63a	1.035594814	0.95501925	1.42601172	1.3150593
A_51_P1716	111649.1	Detected	107324.5	Detected	122867.2	Detected	115621.9	Detected	Pebp1	1.035582911	1.1004764	1.07731133	1.1448197
A_55_P2017	6461.1	Detected	4993.4	Detected	4978.2	Detected	6691	Detected	Macf1	1.035582176	0.770488	1.33996876	0.996956
A_55_P2172	42.2	Detected	58.6	Detected	34.1	Detected	43.7	Not Detect	Gm1123	1.035545024	0.80805687	0.74573379	0.5819113
A_52_P5695	436.3	Detected	256.4	Detected	254.8	Detected	451.8	Detected	Dcblnd2	1.035526014	0.58400183	1.76209048	0.9937598
A_55_P2215	93.5	Detected	97	Detected	76.5	Detected	96.8	Detected	1700102J08Rik	1.035294118	0.81818182	0.99793814	0.7886598
A_55_P1965	774.2	Detected	613.6	Detected	627.5	Detected	801.4	Detected	Uprrt	1.035133041	0.81051408	1.30606258	1.0226532
A_55_P2091	332831.2	Detected	330109.8	Detected	355156.4	Detected	344520.4	Detected	Rpl38	1.035120506	1.06707664	1.04365396	1.0758735
A_55_P2003	1560.4	Detected	1658.4	Detected	1427.2	Detected	1615.2	Detected	Asxl2	1.0351192	0.91463727	0.9739508	0.8605885
A_55_P1953	17.1	Detected	19	Detected	13.5	Not Detect	17.7	Not Detect	Orly	1.035087719	0.78947368	0.93157895	0.7105263
A_55_P2005	48.5	Detected	31.5	Detected	41.6	Detected	50.2	Detected	Epb4.1	1.035051546	0.85773196	1.59365079	1.3206349
A_55_P2398	3615.2	Detected	2571.2	Detected	3527.2	Detected	3741.8	Detected	4833420G11Rik	1.035018809	0.97565833	1.4552738	1.3718108

A_52_P2701	145.7	Detected	133.6	Detected	122.2	Detected	150.8	Detected	Spata31d1a	1.035003432	0.83870968	1.12874251	0.9146707
A_52_P937	13133.3	Detected	12600.3	Detected	15708.5	Detected	13592.8	Detected	Spcs2	1.034987398	1.19608172	1.07876797	1.2466767
A_55_P2082	9156.7	Detected	8294.1	Detected	8510.7	Detected	9476.7	Detected	Ak6	1.034947088	0.92945057	1.14258328	1.0261149
A_51_P2261	45.8	Detected	92.6	Detected	52.1	Detected	47.4	Detected	Fastkd2	1.034934498	1.13755459	0.51187905	0.562635
A_55_P2173	63.1	Detected	69	Detected	53.4	Detected	65.3	Detected	Nhs12	1.034865293	0.84627575	0.94637681	0.773913
A_55_P2042	10793.6	Detected	11500.6	Detected	13748.7	Detected	11167.9	Detected	2210013O21Rik	1.034677957	1.27378261	0.97107107	1.1954768
A_51_P1606	7104.2	Detected	64268.9	Detected	68718.8	Detected	73502.2	Detected	Cox7b	1.03464187	0.96730911	1.14366669	1.0692388
A_55_P2109	236474.6	Detected	259201.9	Detected	245319.9	Detected	244659.1	Detected	Rpl23a	1.034610482	1.03740486	0.94389393	0.9464433
A_55_P1952	35622.4	Detected	32054.3	Detected	39314.3	Detected	36853.4	Detected	Timm8a1	1.034556908	1.10363984	1.14971782	1.2264907
A_51_P2027	4066.7	Detected	3995.8	Detected	3421.7	Detected	4207.2	Detected	Zc3h13	1.034548897	0.84139474	1.05290555	0.8563241
A_55_P1974	697.8	Detected	648.2	Detected	798.2	Detected	721.9	Detected	Nsun4	1.034537117	1.14388077	1.11369948	1.2314101
A_55_P1973	310.1	Detected	362.2	Detected	350.6	Detected	320.8	Detected	Mapk8	1.034504998	1.13060303	0.88569851	0.9679735
A_52_P1750	3008.8	Detected	2395.7	Detected	2255	Detected	3112.6	Detected	Usp48	1.034498804	0.74946823	1.29924448	0.9412698
A_55_P2319	23.2	Detected	26.2	Detected	28.4	Detected	24	Not Detect	Pou2f3	1.034482759	1.22413793	0.91603053	1.0839695
A_55_P2034	8.7	Not Detect	27.7	Detected	3.7	Not Detect	9	Not Detect	Qrfpr	1.034482759	0.42528736	0.32490975	0.133574
A_55_P2177	59846	Detected	56229.7	Detected	74453.1	Detected	61907.8	Detected	Snrpd2	1.03445176	1.24407813	1.10098044	1.3240885
A_51_P4755	28173.1	Detected	22425.1	Detected	29763.3	Detected	29142.5	Detected	Ndufa8	1.034408709	1.05644391	1.29954827	1.3272315
A_55_P2106	40571.2	Detected	39889.5	Detected	50345.1	Detected	41967.1	Detected	Ndufs2	1.03440618	1.24090734	1.05208388	1.2621141
A_51_P3060	20637.5	Detected	19474	Detected	19063.4	Detected	21346.7	Detected	Eif4g2	1.034364627	0.92372623	1.09616412	0.9789155
A_55_P2162	15988.4	Detected	11067.7	Detected	17876.4	Detected	16537.6	Detected	Dnajc10	1.034349904	1.11808561	1.49422193	1.6151865
A_55_P2009	90.4	Detected	89.2	Detected	86	Detected	93.5	Detected	Gprc5d	1.034292035	0.95132743	1.04820628	0.9641256
A_51_P3832	17.5	Detected	38	Detected	20	Detected	18.1	Not Detect	3110079O15Rik	1.034285714	1.14285714	0.47631579	0.5263158
A_55_P2000	10984.3	Detected	9409.5	Detected	9387.3	Detected	11360.6	Detected	Stag2	1.034257986	0.85461067	1.20735427	0.9976407
A_55_P2303	169.8	Detected	134.3	Detected	239.1	Detected	175.6	Detected	Man2c1os	1.034157833	1.40812721	1.30752048	1.7803425
A_55_P2240	8.8	Not Detect	3.3	Not Detect	17.9	Detected	9.1	Not Detect	Zmiz1os1	1.034090909	2.03409091	2.75757576	5.4242424
A_55_P1967	330189.7	Detected	314152.3	Detected	315605.2	Detected	341442	Detected	Med16	1.034078289	0.95582994	1.08686774	1.0046248
A_55_P1994	14474.8	Detected	14627	Detected	14121.3	Detected	14965.5	Detected	Ythdc1	1.033900296	0.97557825	1.02314213	0.965427
A_55_P1952	342.2	Detected	304.6	Detected	250	Detected	353.8	Detected	Rps6ka3	1.033898305	0.73056692	1.16152331	0.8207485
A_55_P2020	20810.9	Detected	20371.2	Detected	19692.9	Detected	21515.3	Detected	Tmem234	1.033847647	0.94627815	1.05616262	0.966703
A_55_P2154	108365.6	Detected	123412.9	Detected	113230.4	Detected	112030.7	Detected	Gm12770	1.033821619	1.04489248	0.90777139	0.9174924
A_51_P5197	2801.5	Detected	3449.2	Detected	3155.6	Detected	2896.2	Detected	Ska3	1.03380332	1.12639657	0.83967297	0.9148788
A_55_P1972	299.2	Detected	197	Detected	325	Detected	309.3	Detected	Mtcp1	1.033756684	1.08622995	1.57005076	1.6497462
A_55_P2137	35.6	Detected	147.7	Detected	46.4	Detected	36.8	Not Detect	Trpv4	1.033707865	1.30337079	0.24915369	0.3141503
A_52_P2149	1772.1	Detected	1811.9	Detected	2110.8	Detected	1831.8	Detected	Zmynd8	1.033688844	1.19112917	1.01098295	1.164965
A_51_P5084	39962.9	Detected	35461.1	Detected	47386.4	Detected	41308.4	Detected	St13	1.033668728	1.18575979	1.16489336	1.3362924
A_52_P3580	22882.7	Detected	21323.9	Detected	21916.4	Detected	23653	Detected	Ppp2ca	1.033662986	0.95777159	1.10922486	1.0277857
A_51_P3342	142.6	Detected	158	Detected	127.7	Detected	147.4	Detected	Gucylb2	1.033660589	0.89551192	0.93291139	0.8082278
A_51_P3433	60770.8	Detected	72477.3	Detected	71771.4	Detected	62813.3	Detected	Cox6c	1.033609892	1.18101786	0.8666617	0.9902604
A_55_P2103	27937.6	Detected	29042.7	Detected	33326.8	Detected	28876.4	Detected	Mrpl30	1.033603459	1.19290132	0.99427395	1.1475104
A_55_P1970	342.3	Detected	261	Detected	352.8	Detected	353.8	Detected	Kdm3b	1.033596261	1.03067485	1.35555556	1.3517241

A_55_P2227	2988.6	Detected	1957	Detected	1749.3	Detected	3088.3	Detected	Zbtb38	1.033360102	0.58532423	1.57807869	0.8938682
A_55_P1976	17904	Detected	17472.8	Detected	20492.3	Detected	18501.2	Detected	Arf5	1.033335675	1.14456546	1.0588572	1.1728115
A_55_P2060	8639.4	Detected	6082.1	Detected	9019.8	Detected	8927.4	Detected	Mov10	1.033335648	1.04403084	1.46781539	1.4830075
A_55_P1966	15	Detected	12.2	Not Detect	10.3	Not Detect	15.5	Not Detect	Kbtbd13	1.033333333	0.68666667	1.2704918	0.8442623
A_65_P1663	114.5	Detected	181.8	Detected	103.8	Detected	118.3	Detected	BC068281	1.033187773	0.90655022	0.65071507	0.5709571
A_51_P3169	9.1	Not Detect	17.7	Detected	3.8	Not Detect	9.4	Not Detect	Svopl	1.032967033	0.41758242	0.53107345	0.2146893
A_51_P4500	18126.3	Detected	11236.8	Detected	19792.5	Detected	18722.8	Detected	Higd2a	1.032907985	1.09192168	1.6662039	1.7614
A_66_P1246	1368.7	Detected	1622.9	Detected	1669.3	Detected	1413.7	Detected	Ubxn2a	1.032877913	1.21962446	0.87109495	1.0285908
A_55_P2067	112.9	Detected	71.8	Detected	108.2	Detected	116.6	Detected	Dclre1c	1.032772365	0.95837024	1.62395543	1.5069638
A_55_P2114	268857.8	Detected	269355.2	Detected	244470	Detected	277658.2	Detected	Actg1	1.032732545	0.90929108	1.03082547	0.907612
A_55_P2112	180.3	Detected	220.6	Detected	209.4	Detected	186.2	Detected	1110008L16Rik	1.032723239	1.16139767	0.84406165	0.9492294
A_55_P2129	372.9	Detected	244.6	Detected	385.2	Detected	385.1	Detected	Inpp5f	1.032716546	1.03298471	1.5744072	1.574816
A_55_P1976	399517.9	Detected	397156.5	Detected	385366.1	Detected	412578.3	Detected	Ppia	1.0326904	0.96457781	1.03883054	0.970313
A_66_P1334	263.4	Detected	321.5	Detected	225.3	Detected	272	Detected	Dnajb9	1.032649962	0.85535308	0.84603421	0.7007776
A_51_P1146	25031.9	Detected	9020.1	Detected	21734.6	Detected	25848.8	Detected	Parm1	1.032634359	0.86827608	2.86568885	2.4095742
A_55_P2050	4665.5	Detected	4027.5	Detected	4924.7	Detected	4817.6	Detected	Tlr7	1.032601007	1.05555675	1.19617629	1.2227685
A_51_P4646	6381.9	Detected	5399.6	Detected	5366.5	Detected	6589.7	Detected	Rad17	1.032560836	0.84089378	1.22040522	0.9938699
A_55_P2040	21676	Detected	22271.6	Detected	19624.2	Detected	22378	Detected	Sec62	1.032386049	0.90534231	1.00477738	0.8811311
A_51_P4245	1170.4	Detected	996.6	Detected	1406.7	Detected	1208.3	Detected	Zfp93	1.032382092	1.20189679	1.21242224	1.4114991
A_55_P2120	58.7	Detected	45	Detected	55.1	Detected	60.6	Detected	Mefv	1.032367973	0.93867121	1.34666667	1.2244444
A_55_P2172	284764.8	Detected	296755.5	Detected	319201.8	Detected	293976.3	Detected	LOC100504872	1.032347748	1.12093138	0.99063471	1.075639
A_55_P2086	12576.6	Detected	10978.1	Detected	10387.5	Detected	12983.3	Detected	Uhmk1	1.032337834	0.82593865	1.18265456	0.946202
A_51_P3089	16828	Detected	18251.2	Detected	20762.4	Detected	17371	Detected	Tamm41	1.032267649	1.23380081	0.95177303	1.137591
A_55_P1963	18.6	Detected	14.5	Not Detect	22.6	Detected	19.2	Not Detect	Gm11595	1.032258065	1.21505376	1.32413793	1.5586207
A_55_P2004	20006.6	Detected	24545.9	Detected	22491.6	Detected	20651.8	Detected	Emc6	1.032249358	1.12420901	0.84135436	0.9163078
A_55_P2076	24.9	Detected	35.6	Detected	29.9	Detected	25.7	Not Detect	Tdpoz4	1.032128514	1.20080321	0.72191011	0.8398876
A_55_P1997	1785	Detected	1937.2	Detected	1758.7	Detected	1842.3	Detected	Hsd17b7	1.03210084	0.98526611	0.95101177	0.9078567
A_51_P3922	2283	Detected	3457.5	Detected	999.9	Detected	2356.1	Detected	Pdk3	1.032019273	0.43797635	0.68144613	0.2891974
A_55_P1976	2480	Detected	3349.4	Detected	2429.4	Detected	2559.4	Detected	Spata5	1.032016129	0.97959677	0.76413686	0.7253239
A_52_P6723	11515.4	Detected	9010.9	Detected	12554.7	Detected	11883.9	Detected	Exoc5	1.032000625	1.09025305	1.31883608	1.3932793
A_55_P2149	21509.4	Detected	17231.1	Detected	21464.5	Detected	22197.2	Detected	Ngfrap1	1.031976717	0.99791254	1.28820563	1.2456837
A_51_P4367	12413.8	Detected	13649.1	Detected	12709.9	Detected	12809.9	Detected	Eftud2	1.031908038	1.02385249	0.93851609	0.9311896
A_55_P2024	404.9	Detected	464.1	Detected	422.1	Detected	417.8	Detected	Eral1	1.031859718	1.04247962	0.90023702	0.9095023
A_55_P2040	144289.7	Detected	100729.6	Detected	159919.4	Detected	148885.3	Detected	Swi5	1.031849813	1.10832166	1.47806901	1.5876108
A_52_P2477	1416.6	Detected	1438.4	Detected	2179.4	Detected	1461.7	Detected	Ino80c	1.031836792	1.5384724	1.01619855	1.5151557
A_55_P2031	355.4	Detected	322.4	Detected	357.3	Detected	366.7	Detected	Brd1	1.03179516	1.00534609	1.13740695	1.1082506
A_51_P2446	24556.3	Detected	25658.8	Detected	24519.2	Detected	25336.7	Detected	Ube2b	1.031780032	0.99848919	0.9874468	0.9555864
A_51_P4886	412687.9	Detected	431146.7	Detected	412955.3	Detected	425788.5	Detected	Gnb211	1.03174457	1.00064795	0.98757221	0.9578069
A_55_P1984	66.3	Detected	53.3	Detected	53.1	Detected	68.4	Detected	Rhox3h	1.031674208	0.80090498	1.28330206	0.9962477
A_55_P2083	205.5	Detected	154	Detected	100	Detected	212	Detected	Necab3	1.03163017	0.486618	1.37662338	0.6493506

A_55_P2073	2547.3	Detected	2852.1	Detected	2924.1	Detected	2627.7	Detected	Mrpl47	1.031562831	1.14792133	0.92132113	1.0252446
A_55_P2045	3910.6	Detected	3330	Detected	3828.2	Detected	4033.9	Detected	Gpkow	1.031529689	0.97892906	1.21138138	1.1496096
A_51_P1520	520.5	Detected	384.6	Detected	614.7	Detected	536.9	Detected	Zfp385a	1.031508165	1.18097983	1.39599584	1.5982839
A_66_P1391	832.8	Detected	933.4	Detected	618	Detected	859	Detected	Baz1a	1.031460134	0.74207493	0.92029141	0.6620956
A_55_P2013	77604.7	Detected	63926.6	Detected	80786	Detected	80028.2	Detected	Serpinp6c	1.031228779	1.04099365	1.25187637	1.2637306
A_55_P2033	634.2	Detected	533.3	Detected	630.5	Detected	654	Detected	Mmab	1.031220435	0.99416588	1.22632665	1.1822614
A_65_P1654	9892.1	Detected	8079.4	Detected	8625.1	Detected	10200.8	Detected	Zmiz1	1.031206721	0.871918	1.262569	1.0675421
A_51_P4630	1559.8	Detected	1550	Detected	1763	Detected	1608.3	Detected	Cenpm	1.03109373	1.13027311	1.0376129	1.1374194
A_55_P2074	35.4	Detected	62.8	Detected	68.9	Detected	36.5	Not Detect	Tgif2	1.031073446	1.94632768	0.58121019	1.0971338
A_55_P2096	33907.6	Detected	35101.4	Detected	39919.8	Detected	34959.9	Detected	Gm6238	1.03103434	1.17731128	0.99596882	1.1372709
A_55_P2074	72815.7	Detected	81337.7	Detected	54098.2	Detected	75070.7	Detected	Gm2710	1.030968596	0.74294692	0.92295086	0.6651061
A_51_P3654	9421.8	Detected	8841.3	Detected	12581.6	Detected	9713.2	Detected	Clpb	1.030928273	1.33537116	1.09861672	1.4230486
A_55_P2153	288.3	Detected	169.4	Detected	177.2	Detected	297.2	Detected	Zkscan3	1.030870621	0.61463753	1.75442739	1.0460449
A_55_P2027	11298.7	Detected	11275.5	Detected	9930.8	Detected	11647.2	Detected	Usp1	1.030844256	0.87893297	1.03296528	0.8807414
A_51_P3478	4137.6	Detected	4595.3	Detected	3971.9	Detected	4265.2	Detected	Actn1	1.030839134	0.95995263	0.92816573	0.8643397
A_66_P1067	35.7	Detected	34.1	Detected	30.9	Detected	36.8	Not Detect	Magi2	1.030812325	0.86554622	1.07917889	0.9061584
A_55_P1971	35.7	Detected	44.4	Detected	51.3	Detected	36.8	Not Detect	Kif13b	1.030812325	1.43697479	0.82882883	1.1554054
A_55_P2022	2943.4	Detected	2950.4	Detected	3124.6	Detected	3034	Detected	Tcerg1	1.03078073	1.06156146	1.02833514	1.0590428
A_55_P2115	22.8	Detected	29.4	Detected	19	Detected	23.5	Not Detect	Mast4	1.030701754	0.83333333	0.79931973	0.6462585
A_55_P2013	261115.3	Detected	263839.3	Detected	257204.3	Detected	269125.2	Detected	LOC101055915	1.030675721	0.98502194	1.02003454	0.9748521
A_55_P2009	290.4	Detected	212.7	Detected	233.3	Detected	299.3	Detected	Ptbp3	1.030647383	0.80337466	1.40714622	1.09685
A_51_P1712	31233.4	Detected	18084.7	Detected	38925.3	Detected	32188.8	Detected	Golm1	1.030589049	1.24627162	1.77989129	2.1523885
A_55_P2160	285105.8	Detected	262113.8	Detected	255404	Detected	293786.7	Detected	Cxcl11	1.030447995	0.89582183	1.12083645	0.9744012
A_55_P2047	26.3	Detected	26.9	Detected	12.6	Not Detect	27.1	Not Detect	Osbpl7	1.030418251	0.47908745	1.00743494	0.4684015
A_51_P4717	32366.5	Detected	34767.9	Detected	37763	Detected	33350.5	Detected	Phf5a	1.030401804	1.16673103	0.95923251	1.0861456
A_55_P2030	187.6	Detected	156.2	Detected	121.6	Detected	193.3	Detected	2610301B20Rik	1.030383795	0.64818763	1.23751601	0.7784891
A_66_P1145	46.4	Detected	36.9	Detected	50.5	Detected	47.8	Detected	4930597O21Rik	1.030172414	1.08836207	1.29539295	1.3685637
A_55_P2047	19.9	Detected	24	Detected	17.7	Detected	20.5	Not Detect	Dad1	1.030150754	0.88944724	0.85416667	0.7375
A_55_P2155	144593.7	Detected	148544	Detected	149125.6	Detected	148952	Detected	Gm9457	1.030141701	1.03134231	1.00274666	1.0039153
A_52_P3501	1832.5	Detected	1528.8	Detected	1633.5	Detected	1887.7	Detected	Cyth1	1.030122783	0.89140518	1.23475929	1.0684851
A_55_P2109	156768.3	Detected	152495.5	Detected	186777.8	Detected	161488.6	Detected	Rps15a	1.030110041	1.19142582	1.05897289	1.2248086
A_52_P5761	9624.3	Detected	9007.1	Detected	8786.6	Detected	9913	Detected	Sh2b1	1.029996987	0.9129599	1.10057621	0.9755193
A_55_P2117	8593.1	Detected	6183.3	Detected	13008	Detected	8850.5	Detected	Nck2	1.029954266	1.51377268	1.43135543	2.103731
A_52_P4097	66.8	Detected	62.5	Detected	55	Detected	68.8	Detected	Serpinc1	1.02994012	0.82335329	1.1008	0.88
A_55_P2209	1157.8	Detected	1024.1	Detected	966.5	Detected	1192.4	Detected	2610002J23Rik	1.029884263	0.83477285	1.16433942	0.9437555
A_55_P2038	20815.8	Detected	20794.6	Detected	19620	Detected	21437.1	Detected	Tmem234	1.02984752	0.94255325	1.03089744	0.9435142
A_55_P1989	127.6	Detected	76.2	Detected	484.5	Detected	131.4	Detected	Entpd8	1.029780564	3.79702194	1.72440945	6.3582677
A_51_P3314	2895.2	Detected	3337.2	Detected	3111.1	Detected	2981.4	Detected	Cgrrf1	1.029773418	1.0745717	0.89338367	0.9322486
A_55_P2154	43.7	Detected	40.8	Detected	47.9	Detected	45	Detected	Mtap7d3	1.029748284	1.09610984	1.10294118	1.1740196
A_51_P1547	1045.2	Detected	1617.6	Detected	730.5	Detected	1076.2	Detected	Klc3	1.029659395	0.6989093	0.66530663	0.451595

A_52_P3774	37.1 Detected	37.3 Detected	22.7 Detected	38.2 Not Detect	Olf1r1122	1.029649596	0.61185984	1.02412869	0.6085791
A_55_P1968	33.8 Detected	52.9 Detected	12.5 Not Detect	34.8 Not Detect	Atp1b2	1.029585799	0.36982249	0.65784499	0.2362949
A_66_P1270	23.7 Detected	30 Detected	24.8 Detected	24.4 Not Detect	Gm12273	1.029535865	1.0464135	0.81333333	0.8266667
A_65_P1550	2373.8 Detected	2587.7 Detected	2334.4 Detected	2443.9 Detected	Map3k2	1.02953071	0.98340214	0.94442942	0.9021138
A_55_P2063	337804.6 Detected	318853.4 Detected	351396.2 Detected	347767.7 Detected	Rps5	1.029493678	1.04023509	1.09068211	1.102062
A_55_P1973	84.9 Detected	81.9 Detected	76.5 Detected	87.4 Detected	Foxh1	1.029446408	0.90106007	1.06715507	0.9340659
A_55_P2023	27.2 Detected	28 Detected	11 Not Detect	28 Not Detect	Ccr7	1.029411765	0.40441176	1	0.3928571
A_55_P2372	156.5 Detected	160.8 Detected	99.5 Detected	161.1 Detected	Nfat5	1.029392971	0.63578275	1.00186567	0.6187811
A_51_P2896	2282.9 Detected	2651 Detected	2078.7 Detected	2349.9 Detected	Nek4	1.029348636	0.91055237	0.88642022	0.7841192
A_55_P1966	9939 Detected	8640.4 Detected	11818.4 Detected	10230.4 Detected	Polr2h	1.029318845	1.18909347	1.18401926	1.367807
A_55_P2103	170.7 Detected	188.6 Detected	193.9 Detected	175.7 Detected	Cdh12	1.029291154	1.13591095	0.93160127	1.0281018
A_51_P4083	1065.3 Detected	868.6 Detected	771.8 Detected	1096.5 Detected	Cfp	1.029287525	0.72449075	1.26237624	0.8885563
A_51_P1218	13167.5 Detected	12543.2 Detected	15222.7 Detected	13552.4 Detected	Prkag1	1.029231061	1.15608126	1.08045794	1.2136217
A_52_P5359	2142.6 Detected	2086.2 Detected	2276.7 Detected	2205.2 Detected	Sde2	1.029216839	1.06258751	1.05704151	1.0913144
A_51_P2526	48439.1 Detected	31703.7 Detected	44402.9 Detected	49851.7 Detected	1110007C09Rik	1.029162392	0.91667475	1.5724253	1.4005589
A_55_P2038	12479.4 Detected	9638.1 Detected	13540.9 Detected	12842.3 Detected	BC005624	1.029079924	1.08506018	1.33245142	1.4049346
A_55_P2119	23820.5 Detected	23488.7 Detected	4130 Detected	24512.6 Detected	Serpine1	1.029054806	0.17338007	1.04359117	0.1758292
A_55_P1976	144.7 Detected	148.4 Detected	175.2 Detected	148.9 Detected	Cacna2d2	1.02902557	1.21078093	1.00336927	1.180593
A_51_P4788	1903.8 Detected	1541.3 Detected	1851.7 Detected	1959 Detected	Ppp6r1	1.028994642	0.97263368	1.271005	1.2013884
A_55_P2011	2152.6 Detected	2177.1 Detected	2147.4 Detected	2215 Detected	Lce1j	1.0289882	0.99758432	1.01740848	0.986358
A_55_P2065	2187.2 Detected	2398.3 Detected	2702 Detected	2250.6 Detected	Gm11559	1.028986832	1.23536942	0.93841471	1.1266314
A_55_P2017	389.9 Detected	520.6 Detected	316.1 Detected	401.2 Detected	B020031M17Rik	1.02898179	0.8107207	0.77064925	0.607184
A_55_P2171	8620.8 Detected	8490.2 Detected	6503.6 Detected	8870.4 Detected	BC030867	1.028953229	0.75440794	1.04478104	0.7660126
A_52_P1396	12970.9 Detected	13907.3 Detected	10299.9 Detected	13345.8 Detected	Ska1	1.02890316	0.79407751	0.95962552	0.740611
A_55_P2086	93.5 Detected	79.8 Detected	81.2 Detected	96.2 Detected	Gm2061	1.028877005	0.8684492	1.20551378	1.0175439
A_55_P2325	24260 Detected	19643 Detected	19383.9 Detected	24960 Detected	Arhgap1	1.028854081	0.7990066	1.27068167	0.9868096
A_55_P2191	457.5 Detected	412 Detected	428.6 Detected	470.7 Detected	4931440J10Rik	1.028852459	0.9368306	1.14247573	1.0402913
A_55_P2066	5653.7 Detected	4722.3 Detected	6305.4 Detected	5816.6 Detected	Arfp2	1.02881299	1.11526965	1.2317303	1.3352392
A_55_P2084	476504.1 Detected	438598.2 Detected	495718.9 Detected	490224.1 Detected	Hist1h2ah	1.028793037	1.04032452	1.11770659	1.1302347
A_55_P2159	28891.3 Detected	25251.8 Detected	33656 Detected	29721.7 Detected	Rfc4	1.028742217	1.16491816	1.17701312	1.3328159
A_52_P5330	1231.8 Detected	1058.2 Detected	1168.2 Detected	1267.2 Detected	Dnajc16	1.028738432	0.94836824	1.1975052	1.1039501
A_52_P5143	2048.7 Detected	1680.8 Detected	2131.3 Detected	2107.4 Detected	Spata2	1.028652316	1.04031825	1.25380771	1.2680271
A_55_P2022	17799.6 Detected	14956.2 Detected	20106.2 Detected	18309.5 Detected	Gtf2h5	1.028646711	1.12958718	1.22420802	1.3443388
A_55_P2135	3316.6 Detected	2738.2 Detected	3448.6 Detected	3411.6 Detected	Polr2i	1.028643792	1.03979979	1.24592798	1.2594405
A_55_P2089	77 Detected	81.2 Detected	65.7 Detected	79.2 Detected	Rhox7	1.028571429	0.85324675	0.97536946	0.8091133
A_51_P4798	869.3 Detected	979.4 Detected	657.4 Detected	894.1 Detected	Mapk6	1.028528701	0.75624065	0.91290586	0.6712273
A_55_P2092	9325.8 Detected	8865.1 Detected	8054.5 Detected	9591.6 Detected	Apoo	1.028501576	0.86367926	1.08195057	0.9085628
A_51_P4666	984 Detected	1358.3 Detected	952.1 Detected	1012 Detected	Srsf7	1.028455285	0.9675813	0.74504896	0.7009497
A_55_P2133	73.9 Detected	95.3 Detected	67.4 Detected	76 Detected	LOC101056066	1.028416779	0.9120433	0.79748164	0.7072403
A_55_P2058	9179.5 Detected	12857.9 Detected	10457.6 Detected	9440.2 Detected	Ipo5	1.02840024	1.13923416	0.73419454	0.813321

A_55_P2089	71749.5	Detected	69852	Detected	63225.8	Detected	73781.8	Detected	Ncoa5	1.028324936	0.88120196	1.05625895	0.9051394
A_51_P2330	1670.3	Detected	1332.1	Detected	1467.6	Detected	1717.6	Detected	Rmdn3	1.028318266	0.87864455	1.28939269	1.1017191
A_55_P2003	63934	Detected	82782.1	Detected	80060.1	Detected	65744	Detected	Lsm7	1.028310445	1.25223043	0.79418135	0.9671185
A_52_P3390	4891.5	Detected	4695	Detected	4605.8	Detected	5029.5	Detected	Nap114	1.028212205	0.94159256	1.07124601	0.9810011
A_55_P2036	7944.8	Detected	7302.5	Detected	7491.8	Detected	8168.6	Detected	Dhx30	1.028169369	0.94298157	1.11860322	1.0259226
A_55_P1994	63437.1	Detected	72154.7	Detected	65381.7	Detected	65221.9	Detected	Ptges3	1.028134956	1.03065399	0.90391755	0.9061322
A_55_P2176	2157.9	Detected	2441.4	Detected	2739.4	Detected	2218.6	Detected	1110057K04Rik	1.0281292	1.26947495	0.90874089	1.1220611
A_55_P2157	28.5	Detected	34.4	Detected	11.6	Not Detect	29.3	Not Detect	Ear10	1.028070175	0.40701754	0.85174419	0.3372093
A_55_P1953	4803	Detected	2520.3	Detected	3027.9	Detected	4937.7	Detected	Stx2	1.028044972	0.63041849	1.95917153	1.2014046
A_55_P2007	35.8	Detected	41.8	Detected	26.9	Detected	36.8	Not Detect	Kcnc1	1.027932961	0.75139665	0.88038278	0.6435407
A_55_P2022	17.9	Detected	22.1	Detected	12.1	Not Detect	18.4	Not Detect	Sly	1.027932961	0.67597765	0.83257919	0.5475113
A_55_P2014	179801.7	Detected	173958.8	Detected	186264.1	Detected	184819.6	Detected	Rpl4	1.027907967	1.03594182	1.06243317	1.0707369
A_55_P2168	56793.6	Detected	54930.5	Detected	65534.7	Detected	58377.7	Detected	Atp5k	1.027892227	1.15390995	1.06275566	1.1930476
A_55_P2098	2901	Detected	2662.8	Detected	2403.8	Detected	2981.8	Detected	4931406P16Rik	1.027852465	0.82861082	1.11979871	0.902734
A_51_P4620	8750.2	Detected	9144.5	Detected	8241.2	Detected	8993.9	Detected	Prpf38a	1.027850792	0.9418299	0.98353108	0.9012193
A_51_P1634	11413.6	Detected	5791	Detected	10666.2	Detected	11730.4	Detected	Carhsp1	1.027756361	0.93451672	2.02562597	1.8418581
A_55_P2098	50.5	Detected	44.8	Detected	37.5	Detected	51.9	Detected	Krtap5-5	1.027722772	0.74257426	1.15848214	0.8370536
A_55_P2164	12474.1	Detected	11032.2	Detected	11267.9	Detected	12818.6	Detected	Nploc4	1.027617223	0.90330365	1.161926	1.0213647
A_55_P2099	620	Detected	511.8	Detected	652.5	Detected	637.1	Detected	H2afv	1.027580645	1.05241935	1.2448222	1.2749121
A_55_P2168	5702.6	Detected	4556	Detected	5249.2	Detected	5859.4	Detected	Mcmbp	1.02749623	0.92049241	1.28608428	1.152151
A_52_P4318	40798.7	Detected	45009.5	Detected	47735.4	Detected	41917.2	Detected	Ptcd3	1.027415089	1.17002257	0.93129673	1.0605628
A_51_P1452	1533	Detected	1221.1	Detected	1161.9	Detected	1575	Detected	Sall4	1.02739726	0.75792564	1.28982065	0.9515191
A_55_P2158	4168.6	Detected	3005.5	Detected	2691.5	Detected	4282.7	Detected	Rnf39	1.0273713	0.64566041	1.42495425	0.8955249
A_51_P1054	6104.7	Detected	6460.7	Detected	5678.8	Detected	6271.4	Detected	Alg14	1.027306829	0.93023408	0.97069977	0.878976
A_55_P1980	77577	Detected	76680.4	Detected	67077.4	Detected	79694.3	Detected	Tardbp	1.027292883	0.86465576	1.0393047	0.8747659
A_55_P2133	187.5	Detected	163.5	Detected	181.2	Detected	192.6	Detected	C030034I22Rik	1.0272	0.9664	1.17798165	1.1082569
A_52_P2473	592.2	Detected	779.1	Detected	583.5	Detected	608.3	Detected	Xpo4	1.027186761	0.98530902	0.78077269	0.7489411
A_55_P1992	127156.8	Detected	120423.1	Detected	110645.2	Detected	130592.4	Detected	Vdac1	1.02701861	0.87014772	1.08444642	0.9188038
A_55_P1957	4410.8	Detected	2897.2	Detected	4090.6	Detected	4529.9	Detected	Dhx34	1.027001904	0.92740546	1.56354411	1.411915
A_55_P2122	26063.5	Detected	21266.5	Detected	21049.5	Detected	26765.9	Detected	Snta1	1.026949565	0.80762369	1.2585945	0.9897962
A_66_P1227	8174.4	Detected	7595.7	Detected	10399.6	Detected	8394.3	Detected	Zmat2	1.026901057	1.2722157	1.10513843	1.3691431
A_51_P1788	2275.9	Detected	1653.4	Detected	2876	Detected	2337.1	Detected	Ttc9c	1.026890461	1.26367591	1.41351155	1.739446
A_55_P1969	13906.1	Detected	12267.5	Detected	11193.9	Detected	14278	Detected	Hnrnpr	1.026743659	0.80496329	1.16388832	0.9124842
A_55_P1952	9382	Detected	7297.6	Detected	8850.6	Detected	9632.9	Detected	Dnm1l	1.026742699	0.94335962	1.32000932	1.2128097
A_55_P2048	583.5	Detected	424	Detected	632.7	Detected	599.1	Detected	Mzf1	1.026735219	1.08431877	1.4129717	1.492217
A_51_P5066	1784.3	Detected	1741.1	Detected	1774.6	Detected	1832	Detected	Fbxw7	1.026733173	0.99456369	1.05220837	1.0192407
A_52_P7918	975.1	Detected	617.6	Detected	692.3	Detected	1001.1	Detected	Ankrd12	1.026663932	0.70997846	1.62095207	1.1209521
A_55_P2171	3075.5	Detected	3279.4	Detected	2641	Detected	3157.5	Detected	Clk4	1.026662331	0.85872216	0.96282857	0.8053302
A_55_P2157	774.6	Detected	660.7	Detected	696.5	Detected	795.2	Detected	Skint9	1.026594371	0.89917377	1.20357197	1.054185
A_52_P2985	1291.6	Detected	1390.3	Detected	958.8	Detected	1325.9	Detected	Nbn	1.026556209	0.74233509	0.95367906	0.6896353

A_55_P1954	396746.6	Detected	367640.5	Detected	356347.8	Detected	407244.7	Detected	Elk1	1.026460466	0.8981748	1.10772535	0.9692833	
A_55_P1983	518.2	Detected	531.6	Detected	308.3	Detected	531.9	Detected	Ano8	1.026437669	0.59494404	1.00056433	0.5799473	
A_51_P2796	871	Detected	909.3	Detected	1346.7	Detected	894	Detected	Socs1	1.026406429	1.54615385	0.98317387	1.4810294	
A_55_P2011	15.2	Detected	277.4	Detected	8.2	Not Detect	15.6	Not Detect	Syna	1.026315789	0.53947368	0.05623648	0.0295602	
A_52_P1914	4112.2	Detected	4117.5	Detected	4954.5	Detected	4220	Detected	Ubfd1	1.026214678	1.20482953	1.02489375	1.2032787	
A_51_P3403	4582.7	Detected	2908	Detected	3801.3	Detected	4702.6	Detected	Tarsl2	1.026163615	0.82948917	1.61712517	1.3071871	
A_52_P1233	3798.2	Detected	2924.5	Detected	5541.8	Detected	3897.2	Detected	Tusc2	1.026064978	1.45905955	1.33260386	1.8949564	
A_55_P2404	88.5	Detected	58.8	Detected	79.5	Detected	90.8	Detected	Nup188	1.025988701	0.89830508	1.54421769	1.3520408	
A_55_P2047	253064.6	Detected	226798.3	Detected	222654.3	Detected	259637.2	Detected	Arhgdia	1.025972025	0.87983187	1.14479341	0.9817283	
A_55_P2037	30312.1	Detected	32259.8	Detected	31392.4	Detected	31098.7	Detected	Foxl2	1.025950033	1.03563923	0.96400784	0.973112	
A_65_P0498	5250.7	Detected	3836.7	Detected	5242.1	Detected	5386.9	Detected	Ilf3	1.025939399	0.99836212	1.40404514	1.3663044	
A_55_P1959	2895.9	Detected	2074.6	Detected	2756.4	Detected	2970.8	Detected	Top3b	1.025864153	0.95182845	1.43198689	1.3286417	
A_55_P2033	227137.9	Detected	246513	Detected	269276.1	Detected	232999.2	Detected	Gm8680	1.025805029	1.18551814	0.94518017	1.0923404	
A_55_P1972	566.5	Detected	575.8	Detected	580.8	Detected	581.1	Detected	Espnl	1.025772286	1.02524272	1.00920458	1.0086836	
A_52_P5333	33982.1	Detected	40218.9	Detected	35002.6	Detected	34854.9	Detected	Eif5	1.02568411	1.03003052	0.86662987	0.8703023	
A_51_P2144	46678.1	Detected	37838.1	Detected	48940.8	Detected	47876.3	Detected		2-Sep	1.025669425	1.04847455	1.26529345	1.2934265
A_51_P4365	35.2	Detected	21.1	Detected	19.1	Detected	36.1	Not Detect	1700003E16Rik	1.025568182	0.54261364	1.71090047	0.9052133	
A_55_P2177	1740.8	Detected	1527.4	Detected	1438.6	Detected	1785.3	Detected	Kcna6	1.02556296	0.82640165	1.16884902	0.941862	
A_55_P1996	30619.5	Detected	33868.4	Detected	30631.6	Detected	31400.8	Detected	Sf3b4	1.025516419	1.00039517	0.92714152	0.9044301	
A_51_P5203	15260.2	Detected	15951.4	Detected	15548.4	Detected	15647.9	Detected	Atp1b3	1.025405958	1.01888573	0.98097346	0.9747358	
A_55_P1965	63	Detected	48.5	Detected	25.5	Detected	64.6	Detected	3110007F17Rik	1.025396825	0.4047619	1.33195876	0.5257732	
A_55_P2012	35298.2	Detected	27590.7	Detected	35542.5	Detected	36193.7	Detected	Sdha	1.025369566	1.00692103	1.31180796	1.2882058	
A_55_P1965	196517.9	Detected	170728.9	Detected	217946.7	Detected	201498.7	Detected	Gm4889	1.025345274	1.10904248	1.18022608	1.2765659	
A_55_P2167	23.7	Detected	23.1	Detected	27.7	Detected	24.3	Not Detect	Gm10723	1.025316456	1.16877637	1.05194805	1.1991342	
A_55_P2084	47886.1	Detected	42577.6	Detected	52786.4	Detected	49097.4	Detected	Gm2099	1.025295441	1.10233241	1.15312747	1.2397693	
A_51_P1187	731	Detected	1090.1	Detected	786.6	Detected	749.4	Detected	Drp2	1.025170999	1.07606019	0.68745987	0.7215852	
A_55_P1960	136233.3	Detected	129370.9	Detected	160451.2	Detected	139657.9	Detected	Rps15a	1.02513776	1.17776784	1.07951556	1.2402418	
A_55_P2166	45190.6	Detected	47982.1	Detected	52169.7	Detected	46323.1	Detected	Mrps16	1.025060521	1.15443698	0.96542461	1.0872742	
A_52_P4178	1050.1	Detected	939.8	Detected	953.9	Detected	1076.4	Detected	Gid4	1.025045234	0.90838968	1.14535007	1.0150032	
A_51_P4262	32636.9	Detected	28750.2	Detected	31021.1	Detected	33453	Detected	Dhx30	1.025005439	0.95049162	1.16357451	1.0789873	
A_55_P2000	12	Not Detect	25.1	Detected	11.1	Not Detect	12.3	Not Detect	Rhox4a	1.025	0.925	0.49003984	0.4422311	
A_55_P2176	52	Detected	41.5	Detected	35.2	Detected	53.3	Detected	Pcdh15	1.025	0.67692308	1.28433735	0.8481928	
A_51_P2836	5264	Detected	3988.5	Detected	3998.2	Detected	5395.5	Detected	Brat1	1.024981003	0.75953647	1.3527642	1.002432	
A_55_P2141	272.3	Detected	272.5	Detected	367.8	Detected	279.1	Detected	Ppp6r3	1.024972457	1.35071612	1.02422018	1.3497248	
A_55_P1993	6053	Detected	4901.9	Detected	6635.6	Detected	6203.9	Detected	Rab9	1.024929787	1.09624979	1.26561129	1.3536792	
A_52_P4582	212.6	Detected	167.9	Detected	205.6	Detected	217.9	Detected	Prlr	1.024929445	0.96707432	1.29779631	1.2245384	
A_51_P2672	51537.1	Detected	35063.3	Detected	48846.9	Detected	52820	Detected	Litaf	1.024892747	0.94780071	1.50641839	1.3931062	
A_55_P2085	657.6	Detected	949.3	Detected	569.2	Detected	673.9	Detected	Zfat	1.024787105	0.86557178	0.7098915	0.5995997	
A_51_P2369	40.4	Detected	42.5	Detected	31.9	Detected	41.4	Not Detect	1700001P01Rik	1.024752475	0.78960396	0.97411765	0.7505882	
A_55_P2077	16.2	Detected	6.4	Not Detect	18.2	Not Detect	16.6	Not Detect	Ahdcl	1.024691358	1.12345679	2.59375	2.84375	

A_51_P4161	6133.5	Detected	5859.3	Detected	4789.3	Detected	6284.6	Detected	Hectd1	1.0246352	0.78084291	1.07258546	0.8173843
A_52_P3125	987	Detected	1220.4	Detected	1349	Detected	1011.3	Detected	Rnmt	1.024620061	1.36676798	0.82866273	1.1053753
A_52_P5227	514.6	Detected	449.4	Detected	697.7	Detected	527.2	Detected	Zfp846	1.024485037	1.35581034	1.17311972	1.5525145
A_55_P1955	2799.9	Detected	2184.6	Detected	2717.6	Detected	2868.3	Detected	Gm6710	1.024429444	0.97060609	1.31296347	1.2439806
A_55_P2096	176.1	Detected	217.5	Detected	263.2	Detected	180.4	Detected	Myo5b	1.024417944	1.49460534	0.82942529	1.2101149
A_55_P2109	90.2	Detected	66.1	Detected	50.1	Detected	92.4	Detected	Myo19	1.024390244	0.55543237	1.397882	0.7579425
A_55_P2091	3225.4	Detected	8993.9	Detected	2531.7	Detected	3304	Detected	Padi2	1.024369071	0.7849259	0.3673601	0.2814908
A_52_P6549	737.7	Detected	239.7	Detected	909.7	Detected	755.6	Detected	Iqgap2	1.024264606	1.23315711	3.15227368	3.7951606
A_55_P2176	50849.1	Detected	61675	Detected	58809.4	Detected	52081.2	Detected	Psma5	1.024230517	1.15654751	0.84444589	0.9535371
A_66_P1072	3170.1	Detected	3369.5	Detected	3066.9	Detected	3246.8	Detected	Nom1	1.02419482	0.96744582	0.9635851	0.9101944
A_51_P1706	18929.9	Detected	19791.4	Detected	23976.1	Detected	19387.9	Detected	Haus1	1.024194528	1.26657299	0.97961236	1.2114403
A_52_P4456	1005	Detected	725.7	Detected	697.9	Detected	1029.2	Detected	2610002M06Rik	1.024079602	0.69442786	1.41821689	0.9616922
A_55_P2022	3027.5	Detected	3213.2	Detected	3145.3	Detected	3100.4	Detected	5430417L22Rik	1.024079273	1.03890999	0.96489481	0.9788684
A_66_P1250	8124.2	Detected	9812.2	Detected	9578.2	Detected	8318.8	Detected	Snrpd1	1.023953128	1.17897147	0.84780172	0.9761521
A_55_P2061	69083.1	Detected	73940.3	Detected	66852.8	Detected	70736.6	Detected	Cks1b	1.023934942	0.96771569	0.9566718	0.9041456
A_51_P3928	3977.2	Detected	2977.1	Detected	3693.9	Detected	4072.3	Detected	Med25	1.023911294	0.92876898	1.36787478	1.2407712
A_52_P1997	2468.2	Detected	2566.6	Detected	2324.1	Detected	2527.2	Detected	Snhg7	1.02390406	0.94161737	0.98464895	0.905517
A_52_P2309	5182.1	Detected	7732.3	Detected	6233.4	Detected	5305.8	Detected	Wdr18	1.023870632	1.20287142	0.68618652	0.8061508
A_55_P2027	683.2	Detected	523.9	Detected	797.5	Detected	699.5	Detected	Pxk	1.023858314	1.16730094	1.33517847	1.5222371
A_55_P2244	285.7	Detected	285.4	Detected	452.4	Detected	292.5	Detected	Amotl1	1.02380119	1.58347917	1.02487737	1.5851437
A_55_P2105	2800.7	Detected	1794.6	Detected	3897.8	Detected	2867.3	Detected	Ralgapa2	1.023779769	1.3917235	1.59773766	2.1719603
A_51_P3272	67311.2	Detected	62122.2	Detected	64473.7	Detected	68910.9	Detected	Akr1a1	1.023765733	0.95784505	1.10927977	1.0378528
A_66_P1014	1604	Detected	1141.9	Detected	1719.6	Detected	1642.1	Detected	Acat3	1.023753117	1.07206983	1.43804186	1.5059112
A_55_P2017	50.6	Detected	45.7	Detected	44.4	Detected	51.8	Detected	Gm4975	1.023715415	0.87747036	1.13347921	0.9715536
A_55_P2016	63472.9	Detected	58363.6	Detected	74160.6	Detected	64969.8	Detected	Eif3k	1.023583293	1.1683821	1.11319041	1.2706653
A_51_P1178	7353.4	Detected	5062.5	Detected	4986.9	Detected	7526.8	Detected	Fam20c	1.023580929	0.67817608	1.48677531	0.9850667
A_52_P4407	288.5	Detected	128.4	Detected	210.3	Detected	295.3	Detected	Ryr2	1.023570191	0.72894281	2.29984424	1.6378505
A_55_P2018	6776.9	Detected	5602.1	Detected	8194.4	Detected	6936.6	Detected	Gorasp2	1.023565347	1.20916643	1.23821424	1.4627372
A_55_P2065	382.2	Detected	332.2	Detected	382.6	Detected	391.2	Detected	Krtap19-5	1.023547881	1.00104657	1.17760385	1.1517158
A_55_P1977	22614.2	Detected	27162.1	Detected	25477	Detected	23146.2	Detected	Wbp11	1.023525042	1.12659303	0.85215061	0.9379614
A_55_P2152	233.9	Detected	248.3	Detected	213.2	Detected	239.4	Detected	Plekhm3	1.023514322	0.91150064	0.96415626	0.8586387
A_55_P2327	1010.8	Detected	781.7	Detected	633.3	Detected	1034.5	Detected	1500032P08Rik	1.023446775	0.62653344	1.32339772	0.8101573
A_52_P2317	9602.1	Detected	10684.8	Detected	11725.7	Detected	9826.9	Detected	Actl6a	1.023411545	1.22115995	0.91970837	1.0974188
A_55_P1982	23303.5	Detected	23670.2	Detected	17759.3	Detected	23849	Detected	Eps8	1.023408501	0.76208724	1.0075538	0.7502809
A_55_P2237	51.6	Detected	48.3	Detected	35.4	Detected	52.8	Detected	A730028G07Rik	1.023255814	0.68604651	1.0931677	0.7329193
A_55_P2062	15746.6	Detected	12155.2	Detected	17020.2	Detected	16112.7	Detected	Abca3	1.023249463	1.08088095	1.32558082	1.4002402
A_55_P2113	1240.4	Detected	899.4	Detected	1432.6	Detected	1269.2	Detected	Gm20749	1.023218317	1.15495002	1.411163	1.5928397
A_65_P1581	3933.7	Detected	3148.1	Detected	3467.2	Detected	4025	Detected	Pum1	1.023209701	0.88140936	1.27854897	1.1013627
A_55_P2119	126.1	Detected	106.8	Detected	118.9	Detected	129	Detected	Gm10228	1.022997621	0.94290246	1.20786517	1.1132959
A_52_P4244	752.8	Detected	639.5	Detected	414.3	Detected	770.1	Detected	Ero11b	1.022980871	0.55034538	1.20422205	0.6478499

A_52_P4024	2212.7	Detected	1784.8	Detected	2561.7	Detected	2263.5	Detected	Zfp746	1.022958377	1.15772586	1.26820932	1.4352869
A_55_P2178	143.9	Detected	130.2	Detected	173.6	Detected	147.2	Detected	Tll1	1.022932592	1.20639333	1.13056836	1.3333333
A_51_P3478	20745.7	Detected	22758.8	Detected	20137.2	Detected	21220.8	Detected	Ipo4	1.022901131	0.97066862	0.93242174	0.8848094
A_55_P2255	385	Detected	364.5	Detected	305.1	Detected	393.8	Detected	9430013L14Rik	1.022857143	0.79246753	1.08038409	0.837037
A_55_P2122	628.5	Detected	601	Detected	605.6	Detected	642.8	Detected	Zfp14	1.022752586	0.96356404	1.06955075	1.0076539
A_51_P4741	5088.8	Detected	1401.4	Detected	10694.6	Detected	5204.5	Detected	Proser2	1.022736205	2.10159566	3.71378621	7.6313686
A_51_P3672	325.8	Detected	285.4	Detected	452.8	Detected	333.2	Detected		8-Sep 1.022713321	1.3898097	1.16748423	1.5865452
A_55_P2037	5509.7	Detected	4930.6	Detected	4889.1	Detected	5634.8	Detected	Exoc2	1.02270541	0.88736229	1.14282237	0.9915832
A_52_P9393	5949.2	Detected	7148.7	Detected	5589	Detected	6083.9	Detected	Mcl1	1.0226417	0.93945404	0.85104984	0.7818205
A_55_P2040	2234.3	Detected	3337.5	Detected	2077	Detected	2284.8	Detected	Tnni2	1.022602157	0.92959764	0.68458427	0.6223221
A_55_P1957	6801.7	Detected	6734.2	Detected	5857.3	Detected	6955.3	Detected	Las1l	1.02258259	0.86115236	1.03283241	0.8697841
A_51_P2076	31	Detected	34.1	Detected	34.7	Detected	31.7	Not Detect	Fmod	1.022580645	1.11935484	0.92961877	1.0175953
A_55_P1984	305.7	Detected	269.5	Detected	267.5	Detected	312.6	Detected	Polr2i	1.022571148	0.87504089	1.15992579	0.9925788
A_52_P5128	33597.4	Detected	23210.8	Detected	29077.5	Detected	34354.3	Detected	Shisa5	1.022528529	0.86546876	1.48009978	1.2527573
A_51_P4277	1129.6	Detected	951.8	Detected	1107.8	Detected	1155	Detected	Diap1	1.022485836	0.98070113	1.21349023	1.1639
A_55_P2142	3457	Detected	2661.5	Detected	2275.2	Detected	3534.6	Detected	Mark4	1.022447209	0.6581429	1.32804809	0.8548563
A_55_P2083	6445.9	Detected	6355.6	Detected	6304.6	Detected	6590.5	Detected	Pum2	1.022432864	0.97807909	1.03695953	0.9919756
A_51_P2046	767.6	Detected	888.4	Detected	858.6	Detected	784.8	Detected	Thg1l	1.022407504	1.11855133	0.88338586	0.9664566
A_51_P2906	11194.2	Detected	9839.2	Detected	13273	Detected	11444.6	Detected	Znhit2	1.022368727	1.18570331	1.16316367	1.3489918
A_51_P2049	10254.8	Detected	8387.1	Detected	10827.9	Detected	10483.9	Detected	Bag2	1.022340757	1.05588602	1.25000298	1.2910183
A_55_P2001	76.1	Detected	79.2	Detected	66.8	Detected	77.8	Detected	Gpr31b	1.022339028	0.87779238	0.98232323	0.8434343
A_55_P2027	393948.8	Detected	385120.1	Detected	403488.9	Detected	402746.5	Detected	Rpl41	1.02233209	1.0242166	1.04576858	1.0476963
A_52_P4494	12840	Detected	9862.9	Detected	10780.6	Detected	13126.3	Detected	Vangl1	1.022297508	0.83961059	1.33087631	1.0930457
A_55_P2009	2244.7	Detected	1863.4	Detected	2022.6	Detected	2294.6	Detected	Nkg7	1.022230142	0.90105582	1.23140496	1.0854352
A_55_P2003	157.5	Detected	158.2	Detected	147.6	Detected	161	Detected	H2-T24	1.022222222	0.93714286	1.01769912	0.9329962
A_55_P1959	90	Detected	111.1	Detected	98.1	Detected	92	Detected	Tmem40	1.022222222	1.09	0.82808281	0.8829883
A_51_P4881	1648.1	Detected	1534.7	Detected	1437.7	Detected	1684.7	Detected	Phf20l1	1.02220739	0.87233784	1.09773897	0.9367955
A_55_P1994	2086.5	Detected	1808.5	Detected	1255.6	Detected	2132.7	Detected	Usp31	1.022142344	0.6017733	1.17926458	0.694277
A_55_P2048	280.2	Detected	602.1	Detected	97.5	Detected	286.4	Detected	Aig1	1.022127052	0.34796574	0.47566849	0.1619332
A_55_P2044	18.1	Detected	17.4	Detected	18.4	Detected	18.5	Not Detect	Prdm13	1.022099448	1.01657459	1.06321839	1.0574713
A_51_P3829	2650.1	Detected	1907.5	Detected	2429.1	Detected	2708.6	Detected	Fadd	1.022074639	0.91660692	1.41997379	1.2734469
A_55_P2062	40.8	Detected	27.2	Detected	43.2	Detected	41.7	Not Detect	Mtnr1a	1.022058824	1.05882353	1.53308824	1.5882353
A_55_P2011	7608.5	Detected	8528.2	Detected	9039.2	Detected	7776.1	Detected	St7	1.022027995	1.18803969	0.91181023	1.0599189
A_66_P1114	7035	Detected	7154.7	Detected	6808.9	Detected	7189.7	Detected	Fbxw8	1.02199005	0.9678607	1.00489189	0.9516681
A_51_P2845	13946.1	Detected	12757.2	Detected	16729.5	Detected	14252.3	Detected	Hyal2	1.021955959	1.19958268	1.11719656	1.3113771
A_51_P3174	3786.9	Detected	4499.3	Detected	3510.6	Detected	3870	Detected	Cd3eap	1.02194407	0.92703795	0.8601338	0.7802547
A_55_P2143	1700	Detected	1103.3	Detected	1467.8	Detected	1737.3	Detected	Dyrk1a	1.021941176	0.86341176	1.57463972	1.3303725
A_55_P2042	2923.3	Detected	2652.3	Detected	2064.9	Detected	2987.3	Detected	Slc25a22	1.021893066	0.70635925	1.12630547	0.7785318
A_52_P5880	253	Detected	271.8	Detected	257	Detected	258.5	Detected	Intu	1.02173913	1.01581028	0.95106696	0.9455482
A_52_P6778	880.7	Detected	1165.1	Detected	680.3	Detected	899.8	Detected	Tmem5	1.021687294	0.77245373	0.77229422	0.5838984

A_55_P2023	39215.9	Detected	35658.3	Detected	50965	Detected	40060.9	Detected	Fen1	1.021547383	1.29960042	1.12346635	1.4292605
A_55_P1968	5933.2	Detected	7374.1	Detected	4458.7	Detected	6060.7	Detected	Ccrn4l	1.021489247	0.75148318	0.82189013	0.6046433
A_52_P6510	6159.1	Detected	7711.1	Detected	5280	Detected	6291.4	Detected	Tmx1	1.021480411	0.85726811	0.81588878	0.6847272
A_52_P5027	88.6	Detected	23.4	Detected	53.4	Detected	90.5	Detected	Ampd3	1.021444695	0.6027088	3.86752137	2.2820513
A_51_P1613	9215.7	Detected	10823.4	Detected	8138.3	Detected	9413.3	Detected	Gnl2	1.02144167	0.88309081	0.86971746	0.7519171
A_51_P1007	8415.6	Detected	9106.3	Detected	8168.7	Detected	8595.5	Detected	Snw1	1.021376967	0.97066163	0.94390697	0.8970383
A_55_P1963	60648.4	Detected	65989.4	Detected	64319.8	Detected	61940.3	Detected	Ptma	1.021301469	1.06053581	0.93864015	0.974699
A_55_P1982	5577.1	Detected	10119.8	Detected	4925.6	Detected	5695.9	Detected	Tma16	1.021301393	0.88318302	0.56284709	0.486729
A_55_P2126	27093.9	Detected	25798	Detected	28540.7	Detected	27670.6	Detected	Pgam5	1.021285234	1.05339947	1.07258702	1.1063144
A_55_P2330	287.4	Detected	346.5	Detected	256.4	Detected	293.5	Detected	4930554C24Rik	1.021224774	0.8921364	0.84704185	0.7399711
A_51_P4861	184.2	Detected	197.2	Detected	626.8	Detected	188.1	Detected	Ocln	1.021172638	3.40282302	0.95385396	3.178499
A_55_P1979	2640.2	Detected	3042.7	Detected	2989.3	Detected	2696.1	Detected	Dapp1	1.021172638	1.13222483	0.88608801	0.9824498
A_55_P2062	9233	Detected	6952.5	Detected	9382.5	Detected	9428.2	Detected	Magt1	1.021141557	1.01619192	1.35608774	1.3495146
A_66_P1043	2180.2	Detected	1552.4	Detected	2338	Detected	2226.2	Detected	Pdcl	1.021098982	1.07237868	1.43403762	1.5060551
A_55_P2108	2858.6	Detected	2337.5	Detected	2965.4	Detected	2918.8	Detected	Nck1	1.02105926	1.03736095	1.24868449	1.2686203
A_55_P2075	109.3	Detected	134.4	Detected	93.7	Detected	111.6	Detected	Anapc7	1.021043001	0.85727356	0.83035714	0.6971726
A_55_P2004	4941.4	Detected	3671.3	Detected	4614.7	Detected	5044.5	Detected	Fbxl15	1.020864532	0.93388513	1.37403644	1.2569662
A_55_P1972	15621.1	Detected	17463.7	Detected	14999.4	Detected	15945.9	Detected	Mcrs1	1.02079239	0.96020127	0.91308829	0.8588902
A_55_P2182	192.7	Detected	141	Detected	163.6	Detected	196.7	Detected	Esrp1	1.020757654	0.84898806	1.39503546	1.1602837
A_52_P1682	1265.5	Detected	1440.7	Detected	1277.8	Detected	1291.7	Detected	Spg20	1.020703279	1.00971948	0.89657805	0.88693
A_55_P2070	99113.6	Detected	88361.3	Detected	80089.7	Detected	101163.6	Detected	Csf3r	1.020683337	0.80805964	1.14488583	0.9063889
A_55_P2008	9.7	Not Detect	19	Detected	12.1	Not Detect	9.9	Not Detect	Coq9	1.020618557	1.24742268	0.52105263	0.6368421
A_55_P1986	524.5	Detected	548.7	Detected	373.8	Detected	535.3	Detected	Pcnx	1.020591039	0.71267874	0.97557864	0.6812466
A_55_P1996	20135	Detected	7602.8	Detected	11791.5	Detected	20549.6	Detected	Abcg2	1.020591011	0.58562205	2.70289893	1.5509418
A_52_P6653	16590	Detected	13470.6	Detected	16535.7	Detected	16931.5	Detected	Ube2m	1.02058469	0.99672694	1.25692248	1.22754
A_55_P1994	5559.7	Detected	5304.2	Detected	3951.4	Detected	5673.4	Detected	Prrc2c	1.020450744	0.7107218	1.06960522	0.7449568
A_65_P2010	936	Detected	306.9	Detected	745.7	Detected	955.1	Detected	Mical2	1.020405983	0.79668803	3.11208863	2.4297817
A_55_P1959	372.8	Detected	279.1	Detected	270.3	Detected	380.4	Detected	Ren2	1.020386266	0.72505365	1.36295235	0.9684701
A_66_P1073	44.4	Detected	34.9	Detected	701.6	Compromis	45.3	Not Detect	Olf955	1.02027027	15.8018018	1.29799427	20.103152
A_55_P2078	100881.2	Detected	100087	Detected	104745.1	Detected	102921.3	Detected	Kpna2	1.020222797	1.03830149	1.02831836	1.0465405
A_55_P2099	3758.9	Detected	3117.6	Detected	3256.9	Detected	3834.7	Detected	Ift80	1.020165474	0.86645029	1.23001668	1.0446818
A_51_P4440	1330.6	Detected	1210.4	Detected	1057.7	Detected	1357.4	Detected	Tubgcp6	1.02014129	0.79490455	1.12144746	0.8738434
A_55_P1977	19.9	Detected	21.4	Detected	13.5	Not Detect	20.3	Not Detect	Znrf4	1.020100503	0.67839196	0.94859813	0.6308411
A_52_P1529	2136.7	Detected	1643.9	Detected	2051.5	Detected	2179.6	Detected	Leng1	1.02007769	0.96012543	1.3258714	1.247947
A_51_P1429	1504.9	Detected	2336.6	Detected	2531.6	Detected	1535	Detected	Chka	1.020001329	1.68223802	0.65693743	1.0834546
A_52_P6540	28074.7	Detected	28772.4	Detected	26321.6	Detected	28635.6	Detected	Msto1	1.019978842	0.93755588	0.99524544	0.9148211
A_55_P2110	319818.1	Detected	267101.9	Detected	344243.1	Detected	326205.6	Detected	Anxa2	1.01997229	1.07637154	1.22127772	1.2888081
A_55_P1959	2038.8	Detected	2318.6	Detected	1904.5	Detected	2079.5	Detected	AI118078	1.019962723	0.93412792	0.89687743	0.8214008
A_55_P1972	18768.7	Detected	18460.8	Detected	15717.5	Detected	19142.9	Detected	Wnk1	1.019937449	0.83743147	1.03694856	0.8513986
A_52_P2414	4911.1	Detected	5144.2	Detected	6379.3	Detected	5008.6	Detected	Rcl1	1.019852986	1.29895543	0.97364022	1.2400956

A_66_P1110	95.8	Detected	84.2	Detected	114.9	Detected	97.7	Detected	Susd1	1.019832985	1.1993737	1.16033254	1.3646081
A_51_P1490	30.3	Detected	31.8	Detected	26.3	Detected	30.9	Not Detect	Nkx2-6	1.01980198	0.8679868	0.97169811	0.827044
A_55_P2015	1364	Detected	1577.8	Detected	1327.2	Detected	1391	Detected	9930111J21Rik1	1.019794721	0.97302053	0.8816073	0.8411713
A_52_P7223	109470.7	Detected	115490.2	Detected	69638.1	Detected	111636.4	Detected	Actg1	1.019783376	0.6361346	0.96663093	0.6029784
A_51_P2159	3540.3	Detected	3127.5	Detected	2910	Detected	3610.3	Detected	Casp6	1.019772336	0.82196424	1.1543725	0.9304556
A_55_P2080	14126.6	Detected	16215.3	Detected	16489.7	Detected	14405.8	Detected	Slirp	1.019764133	1.16728017	0.88840786	1.0169223
A_55_P1989	390.9	Detected	430.7	Detected	409.5	Detected	398.6	Detected	LOC101056633	1.019698133	1.0475825	0.92547016	0.9507778
A_52_P5517	2798.4	Detected	2265.6	Detected	2252.1	Detected	2853.5	Detected	Aff4	1.019689823	0.8047813	1.25948976	0.9940413
A_52_P1004	244	Detected	200.7	Detected	136.4	Detected	248.8	Detected	BC065397	1.019672131	0.55901639	1.23966119	0.6796213
A_66_P1034	875.9	Detected	872.3	Detected	805.5	Detected	893.1	Detected	AU019823	1.019636945	0.91962553	1.02384501	0.9234208
A_55_P2091	94462	Detected	95651.4	Detected	98679.2	Detected	96316.1	Detected	Kpna2	1.019627999	1.04464441	1.00694919	1.0316545
A_55_P2050	117.7	Detected	127.5	Detected	195.7	Detected	120	Detected	Gpam	1.019541206	1.66270178	0.94117647	1.534902
A_51_P2553	4594	Detected	4785.2	Detected	4359.3	Detected	4683.7	Detected	Med31	1.019525468	0.94891162	0.97878877	0.9109964
A_55_P2052	14792.6	Detected	15514.2	Detected	10610.9	Detected	15080	Detected	Mast2	1.019428633	0.71731136	0.97201274	0.6839476
A_55_P2009	793.1	Detected	692.7	Detected	618.1	Detected	808.5	Detected	Cd300lg	1.019417476	0.77934687	1.16717194	0.8923055
A_52_P4078	13829.9	Detected	12940.7	Detected	13453.5	Detected	14098.2	Detected	Lsm12	1.019399996	0.97278361	1.08944648	1.0396269
A_55_P2032	160.3	Detected	147.1	Detected	170.4	Detected	163.4	Detected	Slc6a20a	1.01933874	1.06300686	1.11080897	1.1583956
A_55_P2176	1955.2	Detected	1713.1	Detected	1775.1	Detected	1993	Detected	Zcchc9	1.019333061	0.90788666	1.16338801	1.0361917
A_55_P1990	139149.2	Detected	142787.7	Detected	180436.1	Detected	141833.1	Detected	Snrpg	1.01928793	1.29670958	0.99331455	1.263667
A_51_P2250	50000.1	Detected	49018.1	Detected	53527.7	Detected	50962.8	Detected	Snx17	1.019253961	1.07055186	1.0396731	1.0919987
A_55_P1963	9637.4	Detected	10655.3	Detected	11184.3	Detected	9821.6	Detected	Lias	1.019113039	1.1605101	0.92175725	1.0496467
A_55_P2420	320.6	Detected	282.4	Detected	581	Detected	326.7	Detected	2210416O15Rik	1.019026825	1.81222707	1.15686969	2.0573654
A_55_P1974	168069	Detected	184074.1	Detected	174711.1	Detected	171260.4	Detected	Gm6177	1.01898863	1.03952008	0.93038836	0.9491346
A_55_P1979	896.3	Detected	778.2	Detected	826.4	Detected	913.3	Detected	Tmem65	1.018966864	0.92201272	1.17360576	1.0619378
A_55_P2025	1661.6	Detected	1392.6	Detected	1560.3	Detected	1693.1	Detected	Gm13238	1.018957631	0.93903467	1.21578343	1.1204222
A_55_P2008	2364.1	Detected	2316.5	Detected	2285.6	Detected	2408.8	Detected	Ctr9	1.01890783	0.96679497	1.03984459	0.9866609
A_55_P2114	635	Detected	625.8	Detected	714	Detected	647	Detected	G2e3	1.018897638	1.12440945	1.03387664	1.1409396
A_55_P2170	2771.3	Detected	2330	Detected	2535.5	Detected	2823.6	Detected	Zfp180	1.01887201	0.91491358	1.21184549	1.0881974
A_52_P4453	4933.5	Detected	5217.5	Detected	4296.4	Detected	5026.6	Detected	Clk4	1.018870984	0.87086247	0.9634116	0.8234595
A_55_P2009	297.4	Detected	241.8	Detected	256.3	Detected	303	Detected	Prr9	1.018829859	0.86180229	1.25310174	1.0599669
A_55_P1990	11324.3	Detected	12834.9	Detected	13133.3	Detected	11537.3	Detected	Bin3	1.01880911	1.15974497	0.89890065	1.0232491
A_51_P1887	3740.9	Detected	1897.3	Detected	3959.7	Detected	3811.1	Detected	Arhgef28	1.018765538	1.0584886	2.00869657	2.0870184
A_55_P2032	112	Detected	117.1	Detected	98.9	Detected	114.1	Detected	LOC101056497	1.01875	0.88303571	0.97438087	0.8445773
A_55_P2178	222600.2	Detected	239906.1	Detected	240633.9	Detected	226765.6	Detected	Rpl26	1.018712472	1.08101385	0.94522649	1.0030337
A_55_P2001	22522.1	Detected	21952.1	Detected	23423.9	Detected	22943.1	Detected	Luc7l3	1.018692751	1.04004067	1.04514374	1.067046
A_55_P1970	10.7	Not Detect	21.3	Detected	16.7	Not Detect	10.9	Not Detect	Kdm4d	1.018691589	1.56074766	0.51173709	0.7840376
A_55_P2095	16.1	Detected	14.2	Not Detect	15.1	Not Detect	16.4	Not Detect	Kcnk4	1.01863354	0.9378882	1.15492958	1.0633803
A_55_P2115	1063.1	Detected	1126.3	Detected	1230.9	Detected	1082.9	Detected	Mphosph10	1.018624777	1.15784028	0.96146675	1.0928705
A_55_P2013	8913.6	Detected	9078.3	Detected	9202.5	Detected	9079.3	Detected	Fam58b	1.018589571	1.03241115	1.00011015	1.013681
A_51_P4510	2845.8	Detected	2203.2	Detected	2525.7	Detected	2898.7	Detected	Atp2a2	1.018588798	0.88751845	1.3156772	1.146378

A_52_P6521	40772.5	Detected	45356.8	Detected	40333.8	Detected	41529.1	Detected	Sar1a	1.018556625	0.9892403	0.91560913	0.8892559
A_51_P1686	25188.8	Detected	30087.7	Detected	28648.3	Detected	25655.4	Detected	Prim1	1.018524106	1.13734279	0.85268731	0.9521599
A_55_P1963	14417.5	Detected	11172.8	Detected	10692.6	Detected	14683.7	Detected	Plekho2	1.018463673	0.74164037	1.31423636	0.9570206
A_51_P4946	39826	Detected	13056.4	Detected	52739.3	Detected	40558.9	Detected	Cot1l	1.018402551	1.32424296	3.10643822	4.0393447
A_51_P3100	116962	Detected	129103.3	Detected	123854.2	Detected	119113.8	Detected	Naca	1.018397428	1.05892683	0.92262398	0.9593419
A_55_P2095	581.8	Detected	411.3	Detected	552.3	Detected	592.5	Detected	Fbrsl1	1.0183912	0.94929529	1.44055434	1.3428155
A_55_P1976	2079.4	Detected	1494.4	Detected	1287.7	Detected	2117.6	Detected	Lmtk3	1.018370684	0.61926517	1.41702355	0.8616836
A_52_P6338	229.8	Detected	150.1	Detected	270	Detected	234	Detected	Zbtb6	1.018276762	1.17493473	1.55896069	1.7988008
A_55_P2114	76.6	Detected	71	Detected	49	Detected	78	Detected	Rab33b	1.018276762	0.63968668	1.09859155	0.6901408
A_55_P2083	307.8	Detected	287	Detected	337.8	Detected	313.4	Detected	Mob1b	1.018193632	1.09746589	1.09198606	1.1770035
A_51_P5174	160986.8	Detected	156568.8	Detected	235643.6	Detected	163915	Detected	Cox8a	1.018189069	1.46374485	1.04691995	1.5050483
A_55_P2082	15320.2	Detected	13365	Detected	12275.9	Detected	15598.5	Detected	Npepps	1.018165559	0.80128849	1.1671156	0.918511
A_55_P2011	387.9	Detected	296.9	Detected	291.3	Detected	394.9	Detected	Bcor1l	1.018045888	0.75096674	1.33007747	0.9811384
A_51_P3186	120333.6	Detected	113400.5	Detected	146967.8	Detected	122501.8	Detected	Rps3	1.018018243	1.22133635	1.08025802	1.2960066
A_51_P4413	166.8	Detected	111.1	Detected	147.4	Detected	169.8	Detected	Kansl1l	1.017985612	0.88369305	1.52835284	1.3267327
A_52_P681	891.9	Detected	832.9	Detected	876.8	Detected	907.9	Detected	Cnot4	1.017939231	0.98306985	1.09004682	1.0527074
A_55_P2455	50.4	Detected	37.9	Detected	39.2	Detected	51.3	Detected	Pole	1.017857143	0.77777778	1.35356201	1.0343008
A_51_P5193	949.3	Detected	861.2	Detected	916.4	Detected	966.1	Detected	Fam83f	1.017697251	0.96534288	1.12180678	1.0640966
A_51_P2291	68.1	Detected	53.8	Detected	55.1	Detected	69.3	Detected	Crhr1	1.017621145	0.80910426	1.28810409	1.0241636
A_55_P2174	415	Detected	329.2	Detected	808.5	Detected	422.3	Detected	Frat2	1.017590361	1.94819277	1.2828068	2.4559538
A_55_P2131	51.2	Detected	45.5	Detected	55.9	Detected	52.1	Detected	Gdf5	1.017578125	1.09179688	1.14505495	1.2285714
A_51_P3505	79.7	Detected	58.8	Detected	49.2	Detected	81.1	Detected	Csrp2bp	1.017565872	0.61731493	1.3792517	0.8367347
A_51_P4181	45.6	Detected	46.9	Detected	44.2	Detected	46.4	Not Detect	Fn3krp	1.01754386	0.96929825	0.98933902	0.9424307
A_55_P2084	148.3	Detected	145.6	Detected	124.2	Detected	150.9	Detected	Acaca	1.01753203	0.83749157	1.0364011	0.853022
A_55_P2065	17.2	Detected	17.8	Not Detect	11.9	Not Detect	17.5	Not Detect	Krtap9-5	1.01744186	0.69186047	0.98314607	0.6685393
A_55_P2080	103.4	Detected	89.8	Detected	94.5	Detected	105.2	Detected	Spata31d1b	1.017408124	0.9139265	1.1714922	1.0523385
A_52_P9437	104585.1	Detected	106151	Detected	120187.8	Detected	106404.8	Detected	Psmb3	1.017399228	1.14918664	1.00239093	1.1322343
A_55_P1995	7887.1	Detected	6874.6	Detected	7282.5	Detected	8023.5	Detected	Thumpd1	1.017294062	0.92334318	1.16712245	1.0593344
A_55_P2058	139.4	Detected	130.7	Detected	99.9	Detected	141.8	Detected	Hap1	1.017216643	0.71664275	1.08492731	0.7643458
A_55_P2057	180.4	Detected	184.7	Detected	300.9	Detected	183.5	Detected	Arl4d	1.017184035	1.66796009	0.99350298	1.6291283
A_51_P4723	9084.2	Detected	5720.9	Detected	8181	Detected	9239.7	Detected	Fbxo18	1.017117633	0.90057462	1.61507805	1.4300198
A_51_P2273	14444.6	Detected	12008.2	Detected	12104.1	Detected	14691.8	Detected	Rhou	1.017113662	0.83796713	1.22348062	1.0079862
A_51_P2899	6912.3	Detected	7300.5	Detected	7873.3	Detected	7029.8	Detected	Psmg3	1.016998684	1.13902753	0.96292035	1.0784604
A_55_P2143	21604.3	Detected	16909.7	Detected	36612.5	Detected	21971	Detected	Rpp21	1.016973473	1.69468578	1.29931341	2.1651774
A_51_P2442	401.3	Detected	371	Detected	391.2	Detected	408.1	Detected	Hapln3	1.016944929	0.9748318	1.1	1.0544474
A_55_P2127	307.4	Detected	321.1	Detected	332.5	Detected	312.6	Detected	Zfp36l3	1.01691607	1.08165257	0.9735285	1.035503
A_55_P2054	6493	Detected	8040.3	Detected	8635.2	Detected	6602.4	Detected	M6pr	1.016848914	1.32992453	0.82116339	1.0739898
A_52_P3123	4202.6	Detected	6211.1	Detected	5321.6	Detected	4273.4	Detected	Ssr3	1.016846714	1.26626374	0.68802628	0.8567887
A_55_P2025	166.6	Detected	171.9	Detected	232.9	Detected	169.4	Detected	Hvcn1	1.016806723	1.39795918	0.98545666	1.3548575
A_52_P3749	5795.3	Detected	4896.6	Detected	5914.3	Detected	5892.6	Detected	Dpcd	1.016789467	1.02053388	1.20340645	1.2078381

A_51_P1222	54935.3	Detected	57385	Detected	56840.6	Detected	55857.5	Detected	CrelD2	1.01678702	1.03468262	0.97338155	0.9905132
A_66_P1144	935.9	Detected	754.5	Detected	837.5	Detected	951.6	Detected	Vps39	1.016775297	0.89486056	1.2612326	1.1100066
A_55_P2039	7157.2	Detected	5558.1	Detected	6550.8	Detected	7277.2	Detected	Gigyf2	1.016766333	0.91527413	1.30929634	1.1786042
A_52_P4907	608.5	Detected	492	Detected	720	Detected	618.7	Detected	Zfp26	1.016762531	1.18323747	1.25752033	1.4634146
A_55_P2002	579	Detected	699.7	Detected	684.2	Detected	588.7	Detected	Aifm2	1.016753022	1.18169257	0.84136058	0.9778476
A_55_P2137	993.3	Detected	894.8	Detected	778.8	Detected	1009.9	Detected	Rad50	1.016711197	0.78405316	1.1286321	0.8703621
A_51_P4833	6561.8	Detected	7852.3	Detected	6944.6	Detected	6671.2	Detected	Sdad1	1.016672255	1.05833765	0.84958547	0.8844033
A_51_P4919	5623.6	Detected	4671.1	Detected	3847.5	Detected	5717.3	Detected	Fbxw17	1.016661925	0.68417028	1.22397294	0.8236818
A_55_P2015	54550.8	Detected	23839.9	Detected	53389.3	Detected	55459.7	Detected	Itga6	1.016661534	0.97870792	2.32633946	2.2394935
A_55_P2118	1188.9	Detected	1219.2	Detected	1038.2	Detected	1208.7	Detected	St6galnac1	1.01665405	0.87324418	0.9913878	0.851542
A_55_P2073	588.5	Detected	522.6	Detected	471.4	Detected	598.3	Detected	Gpatch8	1.016652506	0.80101954	1.14485266	0.9020283
A_55_P1990	546.5	Detected	436.4	Detected	443.2	Detected	555.6	Detected	Ncapg	1.016651418	0.81097896	1.2731439	1.015582
A_51_P3428	103668.6	Detected	81180.6	Detected	90735.7	Detected	105394.1	Detected	S100a10	1.016644384	0.87524766	1.29826707	1.1177018
A_55_P1966	1711.9	Detected	1621.5	Detected	3047	Detected	1740.3	Detected	LOC547349	1.016589754	1.77989369	1.07326549	1.8791243
A_55_P2000	266	Detected	179.7	Detected	192	Detected	270.4	Detected	Kif7	1.016541353	0.72180451	1.50473011	1.0684474
A_55_P2158	121.1	Detected	132.8	Detected	90.2	Detected	123.1	Detected	Krtap4-16	1.016515277	0.74483898	0.92695783	0.6792169
A_51_P4833	997.5	Detected	801.4	Detected	856.8	Detected	1013.9	Detected	Lix1l	1.016441103	0.85894737	1.26516097	1.069129
A_55_P2138	22721.4	Detected	21945.3	Detected	27023.3	Detected	23094.8	Detected	Fdx1	1.016433847	1.18933252	1.05238024	1.2313935
A_55_P2107	13677.3	Detected	11253.7	Detected	12970.2	Detected	13901.7	Detected	Mcmbp	1.016406747	0.9483012	1.23530039	1.1525276
A_55_P2122	18.3	Detected	9.6	Not Detect	10.6	Not Detect	18.6	Not Detect	Ptcra	1.016393443	0.57923497	1.9375	1.1041667
A_55_P1962	27059.1	Detected	22424.8	Detected	37465.9	Detected	27501.2	Detected	Bad	1.016338311	1.3845952	1.22637437	1.6707351
A_51_P4799	2035.6	Detected	2755	Detected	1674	Detected	2068.8	Detected	Pik3cb	1.016309688	0.82236196	0.75092559	0.6076225
A_55_P1963	351005.3	Detected	333837.3	Detected	368499.3	Detected	356719.2	Detected	Rps16	1.016278672	1.0498397	1.06854207	1.103829
A_55_P2100	435926.3	Detected	430833.8	Detected	400397.8	Detected	443005.1	Detected	Rn18s	1.016238525	0.91849884	1.02825057	0.9293556
A_55_P2180	104.9	Detected	97.2	Detected	83.5	Detected	106.6	Detected	Gm8273	1.01620591	0.79599619	1.09670782	0.8590535
A_52_P6584	6606.1	Detected	6797.5	Detected	6008.9	Detected	6712.8	Detected	Esp1l	1.016151739	0.9095987	0.98753954	0.8839868
A_51_P3017	21726.3	Detected	23062.2	Detected	26054.2	Detected	22076.3	Detected	Ppp2r2a	1.016109508	1.19920097	0.95725039	1.1297361
A_55_P1987	30047.9	Detected	36937.3	Detected	31096.6	Detected	30530.8	Detected	Plrg1	1.016071007	1.03490094	0.82655744	0.8418753
A_55_P1994	685.4	Detected	675.4	Detected	349.2	Detected	696.4	Detected	Khdrbs1	1.016049022	0.50948351	1.03109269	0.5170269
A_55_P2023	330.4	Detected	275.9	Detected	356.2	Detected	335.7	Detected	Il20rb	1.016041162	1.07808717	1.2167452	1.2910475
A_55_P1982	162.6	Detected	254	Detected	168.1	Detected	165.2	Detected	Gm20767	1.01599016	1.03382534	0.6503937	0.661811
A_52_P4510	3250.3	Detected	2170	Detected	3224.3	Detected	3302.2	Detected	Tnfrsf21	1.015967757	0.99200074	1.52175115	1.4858525
A_55_P1963	296204.3	Detected	280612	Detected	311213.9	Detected	300929.5	Detected	Rps16	1.015952503	1.05067313	1.07240425	1.1090541
A_66_P1369	15276.7	Detected	11986.9	Detected	18599.1	Detected	15519.8	Detected	Tmem43	1.015913123	1.21748152	1.29473008	1.5516189
A_55_P2060	139.6	Detected	136.5	Detected	141.1	Detected	141.8	Detected	Krt9	1.015759312	1.01074499	1.03882784	1.0336996
A_55_P1987	2450.1	Detected	2192.7	Detected	2093.1	Detected	2488.4	Detected	Ap5z1	1.015632015	0.85429166	1.13485657	0.9545765
A_55_P2029	340785.8	Detected	311990.1	Detected	324273.7	Detected	346099.1	Detected	Rpl23	1.015591319	0.95154698	1.10932719	1.0393718
A_65_P2037	5339.1	Detected	5495.7	Detected	5994.7	Detected	5422.1	Detected	Bclaf1	1.015545691	1.12279223	0.98660771	1.0907983
A_55_P2046	32.2	Detected	28.4	Detected	33.2	Detected	32.7	Not Detect	Gm10693	1.01552795	1.0310559	1.15140845	1.1690141
A_55_P2148	45.1	Detected	47.7	Detected	31.4	Detected	45.8	Not Detect	Gm14762	1.015521064	0.6962306	0.96016771	0.6582809

A_51_P4872	11129.3	Detected	9144.4	Detected	12675.9	Detected	11301.1	Detected	Yipf3	1.01543673	1.13896651	1.23584926	1.3861926
A_55_P2095	1472.7	Detected	1259.9	Detected	1429.2	Detected	1495.4	Detected	Zranb1	1.015413866	0.97046242	1.1869196	1.1343757
A_55_P2124	4353.8	Detected	3714.1	Detected	5168.2	Detected	4420.6	Detected	Gnptg	1.015342919	1.18705499	1.19022105	1.391508
A_55_P2252	182.8	Detected	253.9	Detected	139.7	Detected	185.6	Detected	Olfrl372-ps1	1.015317287	0.76422319	0.73099646	0.5502166
A_52_P4501	275	Detected	199.8	Detected	464	Detected	279.2	Detected	Ranbp6	1.015272727	1.68727273	1.3973974	2.3223223
A_51_P1101	340.9	Detected	310.1	Detected	297.7	Detected	346.1	Detected	Vmn1r25	1.01525374	0.87327662	1.11609158	0.9600129
A_55_P1967	712.2	Detected	907.6	Detected	729.2	Detected	723	Detected	Srfbp1	1.01516428	1.0238697	0.79660643	0.8034376
A_51_P5116	26.4	Detected	17.4	Not Detect	25.2	Detected	26.8	Not Detect	Mtag2	1.015151515	0.95454545	1.54022989	1.4482759
A_52_P4561	3050.1	Detected	2629.1	Detected	3584.8	Detected	3096.3	Detected	Dgat1	1.015147044	1.17530573	1.1777034	1.3635084
A_55_P2146	243496.8	Detected	237964.7	Detected	276697.8	Detected	247149.4	Detected	Rps13	1.015000608	1.13635087	1.0385969	1.1627683
A_66_P1358	12187.2	Detected	11399.9	Detected	9899.1	Detected	12369.1	Detected	Fip111	1.014925496	0.81225384	1.08501829	0.8683497
A_52_P3238	1522.7	Detected	1284.2	Detected	1453.7	Detected	1545.4	Detected	Zfp830	1.01490773	0.95468576	1.20339511	1.1319888
A_55_P2081	263.3	Detected	262.5	Detected	233	Detected	267.2	Detected	Cox7c	1.014812002	0.88492214	1.01790476	0.887619
A_51_P5119	4821.5	Detected	6809.2	Detected	2720.1	Detected	4892.4	Detected	Setd7	1.014704967	0.56416053	0.7184985	0.3994742
A_51_P3108	408.1	Detected	533.9	Detected	358.3	Detected	414.1	Detected	Hoxa5	1.014702279	0.87797109	0.77561341	0.6710995
A_52_P2349	55229.4	Detected	50729.7	Detected	53799.5	Detected	56038.3	Detected	Gm15032	1.014646185	0.9741098	1.10464481	1.0605129
A_55_P2046	98671.6	Detected	97365.9	Detected	87311.6	Detected	100115.9	Detected	Phgdh	1.014637444	0.88487062	1.02824397	0.8967369
A_55_P1968	432384.2	Detected	384808.1	Detected	426294.9	Detected	438695.6	Detected	Ftl1	1.014596741	0.98591692	1.14003733	1.1078117
A_55_P2069	145.2	Detected	115	Detected	120.7	Detected	147.3	Detected	Zfp316	1.01446281	0.83126722	1.28086957	1.0495652
A_55_P2186	5359.8	Detected	4857.2	Detected	4497	Detected	5436.6	Detected	R3hdm2	1.014328893	0.83902384	1.11928683	0.925842
A_51_P2062	4688.6	Detected	5637.5	Detected	5878.6	Detected	4755.6	Detected	Seh1l	1.01428998	1.25380711	0.84356541	1.0427672
A_55_P2174	33176.9	Detected	25320.3	Detected	42126	Detected	33650.3	Detected	Mrpl43	1.014268964	1.26973888	1.32898504	1.6637244
A_51_P3366	11960.6	Detected	12628.9	Detected	10298	Detected	12131.2	Detected	Xpo1	1.014263498	0.8609936	0.96059039	0.8154313
A_55_P2069	355931.1	Detected	375738.4	Detected	377802.1	Detected	360995.7	Detected	Rps12l2	1.014229158	1.06144729	0.96076339	1.0054924
A_52_P2996	63.3	Detected	41.7	Detected	59.4	Detected	64.2	Detected	Cep110	1.014218009	0.93838863	1.53956835	1.4244604
A_66_P1166	21.2	Detected	19.4	Detected	17.7	Detected	21.5	Not Detect	D630010B17Rik	1.014150943	0.83490566	1.10824742	0.9123711
A_55_P2130	565.4	Detected	517.5	Detected	508.3	Detected	573.4	Detected	Rhox8	1.014149275	0.89900955	1.10801932	0.9822222
A_52_P5087	327.5	Detected	313.7	Detected	163.1	Detected	332.1	Detected	Zfp951	1.014045802	0.49801527	1.05865477	0.5199235
A_55_P1978	13741.8	Detected	15173.6	Detected	14533.8	Detected	13934.6	Detected	Rpgrip1	1.014030185	1.05763437	0.91834502	0.9578347
A_51_P2150	1939.8	Detected	1918.2	Detected	1796.1	Detected	1967	Detected	Klf16	1.014022064	0.9259202	1.02544052	0.9363466
A_55_P2087	163357.5	Detected	164428.5	Detected	188116.3	Detected	165645.8	Detected	Rps11	1.014007927	1.15156206	1.00740322	1.1440614
A_55_P2454	1550.2	Detected	977.3	Detected	1305.7	Detected	1571.9	Detected	Mgea5	1.013998194	0.84227842	1.60841093	1.3360278
A_55_P1955	322283.3	Detected	320218.8	Detected	331594.3	Detected	326781.4	Detected	Rpl38	1.013956975	1.02889073	1.02049411	1.0355241
A_51_P1443	6020.7	Detected	4599.4	Detected	5330.1	Detected	6104.6	Detected	Efna5	1.013935257	0.88529573	1.32726008	1.1588685
A_55_P2349	775.3	Detected	620	Detected	828.2	Detected	786.1	Detected	Ptk2	1.013930092	1.06823165	1.26790323	1.3358065
A_55_P2422	4340.1	Detected	3768.8	Detected	4576	Detected	4400.2	Detected	2900072G11Rik	1.013847607	1.05435359	1.16753343	1.2141796
A_55_P2001	27917.9	Detected	33672.3	Detected	33773.5	Detected	28304.2	Detected	Fcf1	1.013837001	1.20974357	0.84057816	1.0030054
A_55_P2114	7178.7	Detected	8050.3	Detected	9337.8	Detected	7278	Detected	Zfp191	1.013832588	1.30076476	0.90406569	1.1599319
A_52_P5675	123.1	Detected	16.4	Not Detect	367.4	Detected	124.8	Detected	Lcp1	1.013809911	2.98456539	7.6097561	22.402439
A_52_P1453	980.4	Detected	692.3	Detected	913.7	Detected	993.9	Detected	Stradb	1.01376989	0.93196654	1.43564928	1.3198036

A_51_P4614	7542.8	Detected	6640.9	Detected	5874.2	Detected	7645.9	Detected	Atn1	1.013668664	0.77878242	1.15133491	0.8845488
A_55_P2088	8079.5	Detected	6752.5	Detected	6194.4	Detected	8189.4	Detected	Htt	1.013602327	0.76668111	1.21279526	0.9173491
A_55_P2085	200.1	Detected	165.4	Detected	165.1	Detected	202.8	Detected	Abhd12b	1.013493253	0.82508746	1.2261185	0.9981862
A_55_P2157	22.3	Detected	31.4	Detected	27.4	Detected	22.6	Not Detect	Map1a	1.013452915	1.22869955	0.71974522	0.8726115
A_55_P2302	22.4	Detected	17.8	Detected	27.3	Detected	22.7	Not Detect	9430065F17Rik	1.013392857	1.21875	1.2752809	1.5337079
A_52_P4085	6640.2	Detected	6678.5	Detected	4511.5	Detected	6728.9	Detected	St3gal2	1.013358031	0.67942231	1.0075466	0.6755259
A_55_P2144	22416.9	Detected	23804.3	Detected	26615	Detected	22715.3	Detected	Snx5	1.013311386	1.18727389	0.95425196	1.1180753
A_55_P2158	13640.5	Detected	14089.8	Detected	15325.3	Detected	13821.7	Detected	Nme6	1.013283971	1.12351453	0.98097205	1.0876875
A_52_P2630	158.3	Detected	152	Detected	167.6	Detected	160.4	Detected	Lancl2	1.013265951	1.05874921	1.05526316	1.1026316
A_55_P1975	5038.6	Detected	4186.6	Detected	4766.8	Detected	5105.2	Detected	Snx18	1.013217957	0.94605644	1.21941432	1.138585
A_55_P2011	12142.5	Detected	10189	Detected	15284.3	Detected	12302.8	Detected	Gnptg	1.013201565	1.25874408	1.20745902	1.5000785
A_55_P2143	28875.2	Detected	20858.5	Detected	15376.4	Detected	29250.7	Detected	Sema3c	1.013004239	0.53251233	1.40233957	0.7371767
A_55_P2061	69.3	Detected	65.7	Detected	125.8	Detected	70.2	Detected	6430550D23Rik	1.012987013	1.81529582	1.06849315	1.9147641
A_55_P1959	986.8	Detected	1081.1	Detected	805.8	Detected	999.6	Detected	Dcaf12l2	1.01297122	0.81657884	0.92461382	0.745352
A_55_P2039	224.3	Detected	283.2	Detected	255.2	Detected	227.2	Detected	Gm5088	1.012929113	1.13776193	0.80225989	0.9011299
A_51_P3330	14660.6	Detected	15026.6	Detected	14623.2	Detected	14849.9	Detected	Mrps15	1.012912159	0.99744894	0.98824085	0.9731543
A_55_P1960	5626	Detected	5921.4	Detected	5138	Detected	5698.5	Detected	Mbd3	1.012886598	0.91325986	0.96235688	0.8677002
A_55_P2026	12977.6	Detected	13685.5	Detected	11877.6	Detected	13144.3	Detected	Smarce1	1.01284521	0.91523856	0.9604545	0.8678967
A_55_P2034	10114.4	Detected	6240.8	Detected	8953.5	Detected	10244.3	Detected	Lrrc8d	1.012843075	0.88522305	1.64150429	1.4346718
A_55_P2057	100026.2	Detected	103762.1	Detected	119608.9	Detected	101309.1	Detected	Rpl17	1.01282564	1.19577571	0.97635938	1.1527224
A_65_P0703	382.6	Detected	446.2	Detected	345.6	Detected	387.5	Detected	Ddx20	1.012807109	0.90329326	0.86844464	0.7745406
A_51_P1340	31.4	Detected	25.5	Detected	12.4	Not Detect	31.8	Not Detect	Oas1e	1.012738854	0.39490446	1.24705882	0.4862745
A_51_P1011	14680.2	Detected	16022.4	Detected	17971.6	Detected	14866.5	Detected	Psme1	1.012690563	1.22420675	0.92785725	1.1216547
A_55_P2025	39191.7	Detected	39060.7	Detected	38969	Detected	39688.9	Detected	Acly	1.01268636	0.99431767	1.01608266	0.9976524
A_55_P2164	3055.9	Detected	2105.5	Detected	3270.1	Detected	3094.6	Detected	Gnaq	1.012664027	1.07009392	1.46976965	1.5531228
A_51_P3717	86.9	Detected	87.5	Detected	61	Detected	88	Detected	Marco	1.012658228	0.70195627	1.00571429	0.6971429
A_55_P2166	24	Detected	16.4	Not Detect	18.2	Not Detect	24.3	Not Detect	Ifna13	1.0125	0.75833333	1.48170732	1.1097561
A_55_P2026	184	Detected	133.3	Detected	136.2	Detected	186.3	Detected	Dcaf7	1.0125	0.74021739	1.3975994	1.0217554
A_51_P4974	8725.1	Detected	8109.7	Detected	9463.2	Detected	8834.1	Detected	Tonsl	1.012492693	1.08459502	1.08932513	1.1668989
A_55_P2149	2171.2	Detected	1755.6	Detected	2860.8	Detected	2198.3	Detected	Farp2	1.012481577	1.31761238	1.2521645	1.6295284
A_55_P1983	304.5	Detected	175.9	Detected	311.8	Detected	308.3	Detected	Crat	1.012479475	1.02397373	1.7527004	1.7725981
A_55_P2026	160.4	Detected	120.9	Detected	160.7	Detected	162.4	Detected	Inpp5e	1.012468828	1.00187032	1.34325889	1.3291977
A_55_P1981	820.6	Detected	689.2	Detected	1064.8	Detected	830.8	Detected	Trub2	1.012429929	1.29758713	1.2054556	1.5449797
A_66_P1034	49	Detected	38.5	Detected	61.3	Detected	49.6	Not Detect	AA387883	1.012244898	1.25102041	1.28831169	1.5922078
A_52_P1082	123.3	Detected	89.3	Detected	89.9	Detected	124.8	Detected	Gm4532	1.01216545	0.72911598	1.39753639	1.0067189
A_55_P2076	41.3	Detected	54.2	Detected	40.8	Detected	41.8	Not Detect	Fntb	1.012106538	0.98789346	0.77121771	0.7527675
A_52_P1397	56640.6	Detected	50657.1	Detected	55090.7	Detected	57325.3	Detected	Ndufa1	1.012088502	0.97263624	1.13163407	1.0875218
A_52_P5563	1127.3	Detected	1013.2	Detected	935.4	Detected	1140.9	Detected	Txlng	1.012064224	0.82977025	1.12603632	0.9232136
A_55_P2173	24435.9	Detected	25287.3	Detected	22852	Detected	24729.5	Detected	Commd1	1.012015109	0.93518143	0.9779415	0.9036947
A_55_P2344	716.1	Detected	533.2	Detected	607	Detected	724.7	Detected	B130055M24Rik	1.012009496	0.84764698	1.35915229	1.1384096

A_52_P1835	67.1	Detected	46.1	Detected	62.9	Detected	67.9	Detected	Tmem86b	1.011922504	0.93740686	1.47288503	1.3644252
A_55_P2008	267733.7	Detected	261354	Detected	215578.5	Detected	270902.3	Detected	Actg1	1.011834894	0.80519748	1.03653397	0.8248525
A_55_P2069	75770.3	Detected	76438.8	Detected	71237.8	Detected	76664.6	Detected	Prpsap1	1.011802778	0.94018105	1.002954	0.9319586
A_52_P1604	118.8	Detected	85	Detected	108.2	Detected	120.2	Detected	Ubr3	1.011784512	0.91077441	1.41411765	1.2729412
A_51_P3635	1646.3	Detected	1143.7	Detected	1511.3	Detected	1665.6	Detected	Fbrsl1	1.011723258	0.91799793	1.45632596	1.321413
A_51_P3786	17159.2	Detected	20310.7	Detected	16530.3	Detected	17360.3	Detected	Wrap53	1.011719661	0.96334911	0.85473667	0.8138715
A_55_P2092	15983.4	Detected	13627.9	Detected	13864.9	Detected	16170.7	Detected	Rassf1	1.011718408	0.86745624	1.18658781	1.0173908
A_51_P1678	36742.4	Detected	41578.1	Detected	36290.5	Detected	37172.5	Detected	Timm17a	1.011705822	0.98770086	0.89404037	0.8728273
A_51_P2797	9358	Detected	9249	Detected	3982.1	Detected	9467.4	Detected	Rell1	1.011690532	0.42552896	1.02361336	0.4305438
A_55_P2174	11208.3	Detected	14436.2	Detected	11711.4	Detected	11339.2	Detected	Akr1b3	1.011678845	1.04488638	0.78546986	0.8112523
A_55_P2172	4970.6	Detected	3597.2	Detected	4108.9	Detected	5028.5	Detected	Fam174a	1.011648493	0.82664065	1.39789281	1.1422495
A_51_P1920	3617.2	Detected	3667.3	Detected	3723.2	Detected	3659	Detected	Pinx1	1.0115559	1.02930443	0.99773675	1.0152428
A_52_P4228	7639.2	Detected	6295.1	Detected	5777.3	Detected	7727.4	Detected	Hspg2	1.011545712	0.75627029	1.22752617	0.9177455
A_55_P2176	2050.6	Detected	1531.2	Detected	1984	Detected	2074.2	Detected	Donson	1.011508827	0.9675217	1.35462382	1.2957158
A_55_P1974	678.1	Detected	575.5	Detected	616.4	Detected	685.9	Detected	Fam126b	1.011502728	0.90901047	1.19183319	1.0710686
A_55_P2171	8.7	Not Detect	14.7	Not Detect	17.3	Detected	8.8	Not Detect	Gm10588	1.011494253	1.98850575	0.59863946	1.1768707
A_55_P2017	12126.4	Detected	8550.5	Detected	10640.8	Detected	12265.6	Detected	Mpnd	1.011479087	0.87749043	1.43448921	1.2444652
A_52_P6646	3005.9	Detected	3179.4	Detected	3327.2	Detected	3040.2	Detected	Cul1	1.011410892	1.10688978	0.95621815	1.0464868
A_51_P2001	23686.6	Detected	23372.5	Detected	21808.7	Detected	23955.9	Detected	Pak1ip1	1.011369297	0.92071889	1.02496096	0.9330923
A_55_P1992	340503.9	Detected	333911.4	Detected	361298.9	Detected	344373.3	Detected	Chchd2	1.011363746	1.06107125	1.03133137	1.0820203
A_51_P3150	16828.6	Detected	13150.6	Detected	15542.3	Detected	17018.4	Detected	Mia3	1.011278419	0.92356465	1.29411586	1.18187
A_52_P6397	4365.4	Detected	4462.8	Detected	4977.8	Detected	4414.6	Detected	Gart	1.011270445	1.14028497	0.98919961	1.1153984
A_52_P2540	17.8	Detected	15.3	Not Detect	12.8	Not Detect	18	Not Detect	Ifn13	1.011235955	0.71910112	1.17647059	0.8366013
A_51_P1988	2272	Detected	2432	Detected	1731.2	Detected	2297.4	Detected	Dnajb9	1.011179577	0.76197183	0.94465461	0.7118421
A_55_P2002	242.8	Detected	170.3	Detected	196.3	Detected	245.5	Detected	1810053B23Rik	1.011120264	0.80848435	1.44157369	1.1526718
A_55_P2269	135.5	Detected	121.1	Detected	180.4	Detected	137	Detected	Ccdc163	1.011070111	1.33136531	1.13129645	1.489678
A_55_P1958	136.1	Detected	97.9	Detected	156.3	Detected	137.6	Detected	Lyn	1.011021308	1.14842028	1.40551583	1.5965271
A_66_P1297	9.1	Not Detect	16.4	Detected	10.2	Not Detect	9.2	Not Detect	Gm6329	1.010989011	1.12087912	0.56097561	0.6219512
A_55_P1957	10872.9	Detected	9053.5	Detected	9697.9	Detected	10991.7	Detected	Gps2	1.010926248	0.89193315	1.21408295	1.0711769
A_55_P1984	6249.1	Detected	5239.4	Detected	6537.7	Detected	6317.2	Detected	Polr2i	1.010897569	1.04618265	1.20571058	1.2477955
A_55_P1981	344664.8	Detected	333770.2	Detected	351359	Detected	348401.4	Detected	Rpl10a	1.010841258	1.01942235	1.04383615	1.0526973
A_55_P2082	12860.6	Detected	16850.5	Detected	14052.8	Detected	12999.7	Detected	Pwp2	1.010815981	1.09270174	0.77147266	0.8339693
A_66_P1081	120.7	Detected	86.1	Detected	199.6	Detected	122	Detected	Impact	1.010770505	1.65368683	1.41695703	2.3182346
A_55_P2359	3625.5	Detected	3088.8	Detected	3880.7	Detected	3664.5	Detected	AI646519	1.010757137	1.07039029	1.18638306	1.2563779
A_55_P2081	58183	Detected	42339.2	Detected	53077	Detected	58804.1	Detected	Sh3bgr13	1.010674939	0.91224241	1.38888075	1.2536137
A_51_P1329	2100.7	Detected	1280.5	Detected	2751.4	Detected	2123.1	Detected	Idh1	1.010663112	1.30975389	1.65802421	2.1486919
A_55_P2057	56.4	Detected	98.4	Detected	50.6	Detected	57	Detected	Gm12250	1.010638298	0.89716312	0.57926829	0.5142276
A_55_P2043	18404.1	Detected	13626.2	Detected	17575	Detected	18597.4	Detected	Ubac1	1.010503094	0.95495026	1.36482658	1.2897947
A_55_P2008	66.8	Detected	166.7	Detected	44.5	Detected	67.5	Detected	Dnmt3b	1.010479042	0.66616766	0.40491902	0.2669466
A_52_P2820	9785.4	Detected	6661.8	Detected	8614.1	Detected	9886.5	Detected	Rnf5	1.010331719	0.88030127	1.48405836	1.2930589

A_55_P2077	11783.3	Detected	11447	Detected	11329.6	Detected	11904.8	Detected	Hmgxb3	1.010311203	0.96149636	1.03999301	0.989744	
A_51_P1709	1999.3	Detected	1373.5	Detected	1688	Detected	2019.9	Detected	Ptpn9	1.010303606	0.8442955	1.4706225	1.2289771	
A_55_P1968	37475.9	Detected	34755.1	Detected	46781	Detected	37855.9	Detected	LOC102308570	1.01013985	1.24829557	1.08921856	1.3460183	
A_51_P2955	109	Detected	97.1	Detected	126.2	Detected	110.1	Detected	Cmss1	1.010091743	1.15779817	1.1338826	1.299691	
A_55_P2003	69.4	Detected	71.6	Detected	63.2	Detected	70.1	Detected	Zc2hc1c	1.010086455	0.91066282	0.97905028	0.8826816	
A_55_P2032	13519.8	Detected	14581.8	Detected	15274	Detected	13656.1	Detected	Srp19	1.01008151	1.12975044	0.93651675	1.0474701	
A_52_P8480	167794.1	Detected	165236.5	Detected	193296.7	Detected	169485.2	Detected	Gm13777	1.010078423	1.15198747	1.02571284	1.1698184	
A_55_P1954	10	Not Detect	6.3	Not Detect	19.2	Detected	10.1	Not Detect	Nrxn2	1.01	1.92	1.6031746	3.047619	
A_55_P2093	219337.1	Detected	219892.5	Detected	212812.1	Detected	221525.4	Detected	Rps8	1.00997688	0.97025127	1.0074259	0.9678006	
A_52_P1148	292.3	Detected	292.6	Detected	268.3	Detected	295.2	Detected	Hlhf	1.009921314	0.91789258	1.00888585	0.9169515	
A_51_P3143	61395.6	Detected	66533.3	Detected	73771.8	Detected	62003.6	Detected	Lsmd1	1.00990299	1.20158122	0.9319183	1.1087951	
A_55_P1954	50.7	Detected	48.6	Detected	48.2	Detected	51.2	Detected	Zfp446	1.009861933	0.95069034	1.05349794	0.9917695	
A_66_P1104	5981.7	Detected	8232	Detected	6350.4	Detected	6040.6	Detected	Polr3h	1.009846699	1.061638	0.73379495	0.7714286	
A_65_P0447	8052.7	Detected	9291.5	Detected	7513.4	Detected	8131.8	Detected	Atp6v1c1	1.009822792	0.93302867	0.875187	0.8086315	
A_55_P2112	468912.3	Detected	445417.6	Detected	451150.4	Detected	473513.6	Detected	Actb	1.009812709	0.96212106	1.06307788	1.0128706	
A_51_P4107	703.6	Detected	717.1	Detected	618.4	Detected	710.5	Detected	Dgke	1.009806708	0.87890847	0.99079626	0.8623623	
A_52_P6592	5907.9	Detected	4348.3	Detected	5638.9	Detected	5965	Detected	Ppat	1.009665025	0.95446775	1.37180047	1.2968056	
A_55_P2021	292730.2	Detected	292225.2	Detected	303764	Detected	295552.3	Detected	Gm5879	1.009640618	1.03769273	1.0113854	1.039486	
A_55_P2198	51.9	Detected	53.2	Detected	28.3	Detected	52.4	Not Detect	5830420C07Rik	1.009633911	0.54527938	0.98496241	0.5319549	
A_55_P1968	52.1	Detected	43.3	Detected	36	Detected	52.6	Detected	Cyp2j13	1.009596929	0.69097889	1.2147806	0.8314088	
A_55_P1968	1127.4	Detected	1025	Detected	1061.3	Detected	1138.2	Detected	Nfkb1	1.009579564	0.94136952	1.11043902	1.0354146	
A_55_P2007	17843	Detected	15747.3	Detected	15775.9	Detected	18013.8	Detected	Pole	1.009572381	0.88415065	1.14392944	1.0018162	
A_52_P3077	73.4	Detected	57.9	Detected	70.1	Detected	74.1	Detected	Slc35a5	1.009536785	0.95504087	1.27979275	1.2107081	
A_55_P2094	10.5	Not Detect	10.9	Not Detect	38.4	Detected	10.6	Not Detect	Tph1	1.00952381	3.65714286	0.97247706	3.5229358	
A_51_P4854	505.6	Detected	564.7	Detected	474.9	Detected	510.4	Detected	Txlna	1.009493671	0.93928006	0.90384275	0.8409775	
A_55_P2067	874.7	Detected	742.6	Detected	837.5	Detected	883	Detected	Cdv3	1.009488968	0.95747113	1.18906545	1.1277942	
A_66_P1257	101861.2	Detected	50250.7	Detected	165764.7	Detected	102826.4	Detected	Cyb5	1.009475639	1.6273586	2.04626801	3.298754	
A_55_P2177	138.3	Detected	111.2	Detected	149.7	Detected	139.6	Detected	Hist1h2bb	1.009399855	1.0824295	1.25539568	1.346223	
A_55_P2073	7443.5	Detected	6959.1	Detected	8779.3	Detected	7512.8	Detected	Bnip3l	1.009310136	1.17945859	1.07956489	1.2615568	
A_55_P1960	2850.8	Detected	2244.5	Detected	2752.6	Detected	2877.3	Detected	Dnajc17	1.009295636	0.96555353	1.28193362	1.2263756	
A_52_P6617	58778.9	Detected	52833.8	Detected	73941.3	Detected	59323.4	Detected		2-Mar	1.009263528	1.25795651	1.12283046	1.3995075
A_55_P1977	307321.9	Detected	316581.4	Detected	315439.1	Detected	310168.6	Detected	Rps20	1.009262926	1.0264127	0.9797436	0.9963918	
A_52_P3111	249.8	Detected	303.7	Detected	336.8	Detected	252.1	Detected	Trappc13	1.009207366	1.34827862	0.83009549	1.1089891	
A_55_P1961	50809.5	Detected	46443.4	Detected	42110.8	Detected	51276.4	Detected	Vcp	1.009189226	0.82879776	1.10406215	0.9067123	
A_55_P2011	505.9	Detected	619.6	Detected	706.3	Detected	510.5	Detected	Pa2g4	1.009092706	1.39612572	0.82391866	1.139929	
A_55_P2108	3309.6	Detected	2951	Detected	2992.3	Detected	3339.5	Detected	D830030K20Rik	1.009034324	0.90412739	1.13165029	1.0139953	
A_66_P1249	2199.4	Detected	2217.1	Detected	2313	Detected	2219.2	Detected	Ccdc47	1.009002455	1.05165045	1.00094718	1.0432547	
A_52_P6224	7645.8	Detected	7794.8	Detected	7407.9	Detected	7714.2	Detected	Nop16	1.008946088	0.96888488	0.98965977	0.9503643	
A_55_P2013	11849.5	Detected	12010.9	Detected	11672.7	Detected	11955.5	Detected	Thoc5	1.008945525	0.98507954	0.99538752	0.9718422	
A_52_P6237	1723.3	Detected	1550.4	Detected	1812.1	Detected	1738.7	Detected	Eri2	1.008936343	1.05152904	1.12145253	1.1687951	

A_55_P2061	22.6 Detected	31.2 Detected	28.8 Detected	22.8 Not Detect	Scgb2b2	1.008849558	1.27433628	0.73076923	0.9230769
A_55_P1981	6969.3 Detected	5301.7 Detected	5207.9 Detected	7030.7 Detected	Erc6c12	1.008810067	0.747263	1.32612181	0.9823076
A_52_P6045	977.4 Detected	1081.1 Detected	619 Detected	986 Detected	Zfp319	1.008798854	0.63331287	0.91203404	0.572565
A_52_P2311	182.7 Detected	131.3 Detected	123.3 Detected	184.3 Detected	Megf9	1.008757526	0.67487685	1.40365575	0.9390708
A_55_P2040	55089.3 Detected	45698.5 Detected	56248 Detected	55570.3 Detected	Scrib	1.008731278	1.02103312	1.21602022	1.23085
A_51_P3082	4214.6 Detected	3663.1 Detected	4157 Detected	4251.3 Detected	Surf2	1.008707825	0.98633322	1.16057438	1.1348312
A_55_P1980	21824.2 Detected	12267.6 Detected	14725.1 Detected	22013.3 Detected	Leprot	1.008664693	0.67471431	1.79442597	1.2003244
A_55_P1967	129.5 Detected	85.9 Detected	105.5 Detected	130.6 Detected	Gm14137	1.008494208	0.81467181	1.52037253	1.2281723
A_51_P5063	25118.5 Detected	22519.4 Detected	26623 Detected	25331.3 Detected	Cdkn2aipnl	1.008471843	1.05989609	1.12486567	1.1822251
A_55_P2150	5367.5 Detected	6235.6 Detected	5060.7 Detected	5412.9 Detected	Sypl	1.008458314	0.94284117	0.86806402	0.8115819
A_55_P2006	910.9 Detected	813.1 Detected	1213.7 Detected	918.6 Detected	Trio	1.008453178	1.33241849	1.12975034	1.4926823
A_51_P3125	1692.2 Detected	1253.8 Detected	1435.5 Detected	1706.5 Detected	Nup188	1.008450538	0.84830398	1.36106237	1.1449194
A_52_P3650	82.9 Detected	41.6 Detected	113 Detected	83.6 Detected	Fes	1.008443908	1.36308806	2.00961538	2.7163462
A_55_P2035	22960.7 Detected	27007.6 Detected	28132.9 Detected	23154.2 Detected	Nifk	1.008427443	1.22526317	0.85732164	1.041666
A_55_P2123	77681.9 Detected	83564 Detected	81668 Detected	78336.4 Detected	Dos	1.008425386	1.05131311	0.93744196	0.9773108
A_51_P4128	12759.2 Detected	11651.2 Detected	12523 Detected	12866 Detected	Daxx	1.008370431	0.98148787	1.10426394	1.0748249
A_55_P2105	60 Detected	65.7 Detected	38.8 Detected	60.5 Detected	Olf224	1.008333333	0.64666667	0.92085236	0.5905632
A_55_P2115	2269.5 Detected	2013.8 Detected	2166.7 Detected	2288.4 Detected	Egfl8	1.008327826	0.95470368	1.13635912	1.0759261
A_52_P2283	37156.9 Detected	40241.5 Detected	39390.6 Detected	37465.9 Detected	Smu1	1.008316087	1.06011535	0.93102643	0.9788552
A_51_P2063	11781.5 Detected	9491.4 Detected	9291.5 Detected	11879.3 Detected	Reep3	1.00830115	0.7886517	1.25158565	0.9789388
A_55_P2102	7858.4 Detected	6743.7 Detected	7470.9 Detected	7923.6 Detected	Rgs20	1.008296854	0.95068971	1.1749633	1.107834
A_55_P2038	4848.1 Detected	4533.4 Detected	3881.7 Detected	4888 Detected	Gcn111	1.008230028	0.80066418	1.07821944	0.8562448
A_55_P2087	693.6 Detected	659.8 Detected	718.6 Detected	699.3 Detected	Grhpr	1.008217993	1.03604383	1.05986663	1.0891179
A_55_P2088	1398.5 Detected	708.3 Detected	1153.9 Detected	1409.9 Detected	Gm5595	1.008151591	0.82509832	1.99054073	1.629112
A_55_P2006	2203.4 Detected	2659 Detected	1299.9 Detected	2221.3 Detected	Adamtsl4	1.008123809	0.58995189	0.83538924	0.488868
A_55_P1993	1753.6 Detected	1451.3 Detected	1963.9 Detected	1767.8 Detected	Polr2h	1.008097628	1.11992473	1.21808034	1.3532006
A_51_P2220	5097.2 Detected	4979.4 Detected	5061.6 Detected	5138.4 Detected	Igfbp1	1.008082869	0.99301577	1.03193156	1.016508
A_55_P2145	12.4 Not Detect	15.4 Detected	9.8 Not Detect	12.5 Not Detect	Cpsf3l	1.008064516	0.79032258	0.81168831	0.6363636
A_55_P2149	75.2 Detected	52.9 Detected	50.6 Detected	75.8 Detected	Srsf11	1.007978723	0.67287234	1.43289225	0.9565217
A_55_P2000	4719.7 Detected	5174.6 Detected	4837.6 Detected	4756.9 Detected	Ppp2r3c	1.007881857	1.0249804	0.91927878	0.9348742
A_55_P1985	549.4 Detected	473.4 Detected	500.5 Detected	553.7 Detected	Krtap5-2	1.00782672	0.91099381	1.169624	1.0572455
A_55_P1956	2547.5 Detected	2255.4 Detected	2172.1 Detected	2567.4 Detected	Usp45	1.00781158	0.85263984	1.13833466	0.9630664
A_55_P2060	3297.4 Detected	4435.3 Detected	2931.7 Detected	3323 Detected	Zfp593	1.007763693	0.88909444	0.74921651	0.6609925
A_55_P1979	25.8 Detected	27.2 Detected	25.6 Detected	26 Not Detect	Slc16a7	1.007751938	0.99224806	0.95588235	0.9411765
A_55_P2109	1161.2 Detected	1211.9 Detected	1277.5 Detected	1170.2 Detected	Csnk1g2	1.007750603	1.10015501	0.96559122	1.0541299
A_55_P1982	12781.2 Detected	10662.5 Detected	11939.8 Detected	12879.7 Detected	2210018M11Rik	1.007706632	0.93416894	1.20794373	1.1197937
A_52_P4989	1585.1 Detected	1453.4 Detected	1352.6 Detected	1597.3 Detected	Zfp512	1.007696675	0.85332156	1.09900922	0.9306454
A_51_P2486	104.1 Detected	158 Detected	114.9 Detected	104.9 Detected	Cd274	1.007684918	1.1037464	0.66392405	0.7272152
A_52_P6000	260.5 Detected	218.6 Detected	255.1 Detected	262.5 Detected	Smyd3	1.007677543	0.97927063	1.20082342	1.1669716
A_55_P2070	887.3 Detected	721.9 Detected	725.5 Detected	894.1 Detected	Pqbp1	1.007663699	0.81764905	1.23853719	1.0049868

A_52_P6501	952.6	Detected	780.7	Detected	888.4	Detected	959.9	Detected	Uri1	1.007663237	0.9326055	1.22953759	1.1379531
A_55_P2157	796.7	Detected	522.5	Detected	554.3	Detected	802.8	Detected	Fam20c	1.007656583	0.69574495	1.53645933	1.0608612
A_52_P2673	130.8	Detected	128.3	Detected	96.7	Detected	131.8	Detected	Trim12a	1.00764526	0.73929664	1.02727981	0.7537023
A_55_P2022	78.7	Detected	108.9	Detected	86.4	Detected	79.3	Detected	Gm826	1.007623888	1.0978399	0.728191	0.7933884
A_55_P2124	195596.7	Detected	195964.2	Detected	183100.3	Detected	197063.2	Detected	Ywhae	1.00749757	0.9361114	1.00560817	0.9343559
A_51_P4724	467.4	Detected	550.5	Detected	396.7	Detected	470.9	Detected	Dync2li1	1.007488233	0.8487377	0.85540418	0.7206176
A_55_P2007	1376.1	Detected	1540.3	Detected	1709	Detected	1386.4	Detected	Trmt61b	1.007484921	1.24191556	0.9000844	1.1095241
A_55_P2119	1621.2	Detected	920.8	Detected	1682.4	Detected	1633.2	Detected	Baiap2	1.007401925	1.03774981	1.77367507	1.8271069
A_55_P1966	67.7	Detected	50.7	Detected	69.6	Detected	68.2	Detected	Il17d	1.007385524	1.02806499	1.34516765	1.3727811
A_55_P2184	7157.3	Detected	6297.7	Detected	3732.4	Detected	7210.1	Detected	Katnal1	1.007377084	0.52148156	1.14487829	0.5926608
A_55_P2005	12804.1	Detected	11521.6	Detected	9954.3	Detected	12897.8	Detected	Uap1	1.007317968	0.77743067	1.11944522	0.8639685
A_51_P1493	1715.6	Detected	1434.6	Detected	1477.3	Detected	1728.1	Detected	Nfxl1	1.007286081	0.86109816	1.20458664	1.0297644
A_52_P5160	2788.5	Detected	2493.6	Detected	2175.7	Detected	2808.7	Detected	Ptp4a1	1.007244038	0.78024027	1.12636349	0.8725136
A_55_P2175	158321.9	Detected	160139.4	Detected	162040.6	Detected	159453	Detected	Gm5879	1.007144305	1.02348822	0.99571373	1.0118722
A_52_P2394	798.6	Detected	926.2	Detected	716.8	Detected	804.3	Detected	Ipo7	1.007137491	0.89757075	0.86838696	0.7739149
A_55_P2067	126.9	Detected	94.1	Detected	98.2	Detected	127.8	Detected	LOC101056395	1.007092199	0.77383767	1.35812965	1.0435707
A_55_P2014	156.2	Detected	136.8	Detected	149.2	Detected	157.3	Detected	Zfp787	1.007042254	0.95518566	1.1498538	1.0906433
A_66_P1161	65746.3	Detected	87168.7	Detected	64794.7	Detected	66209.2	Detected	Sdhd	1.0070407	0.98552618	0.75955245	0.7433253
A_52_P2064	24979.1	Detected	19834	Detected	21471.2	Detected	25152.2	Detected	Pop4	1.006929793	0.8595666	1.26813552	1.0825451
A_51_P2964	23528.6	Detected	29992.8	Detected	19590.5	Detected	23690.9	Detected	Orc6	1.006897988	0.83262498	0.78988624	0.6531734
A_55_P2062	3655	Detected	2568	Detected	3400.4	Detected	3680.2	Detected	Hmox2	1.006894665	0.930342	1.43309969	1.3241433
A_55_P2112	11007.7	Detected	10186	Detected	12263.8	Detected	11082.9	Detected	Smad4	1.006831582	1.11411103	1.08805223	1.2039859
A_55_P2127	17940.4	Detected	20100	Detected	26903.3	Detected	18061.4	Detected	Trmt112	1.006744554	1.4995931	0.89857711	1.3384726
A_52_P8341	44.5	Detected	32.7	Detected	44.8	Detected	44.8	Not Detect	3021401N23Rik	1.006741573	1.00674157	1.37003058	1.3700306
A_55_P2294	133.9	Detected	104.9	Detected	203.4	Detected	134.8	Detected	Dennd1b	1.006721434	1.51904406	1.28503337	1.9389895
A_55_P2020	1206.5	Detected	999.6	Detected	1022.8	Detected	1214.6	Detected	Rufy2	1.006713634	0.8477414	1.21508603	1.0232093
A_52_P1545	417.6	Detected	307	Detected	464.7	Detected	420.4	Detected	Wdr20	1.006704981	1.11278736	1.36938111	1.5136808
A_55_P2470	164.7	Detected	133	Detected	125	Detected	165.8	Detected	9530082P21Rik	1.00667881	0.75895568	1.24661654	0.9398496
A_55_P2274	15	Detected	17.9	Detected	13.5	Not Detect	15.1	Not Detect	AW549542	1.006666667	0.9	0.84357542	0.7541899
A_55_P2029	4379.9	Detected	4395.8	Detected	5059.8	Detected	4409	Detected	Mpdu1	1.006643987	1.15523185	1.00300287	1.1510533
A_52_P8096	226.4	Detected	156.5	Detected	215.1	Detected	227.9	Detected	Sephs1	1.006625442	0.95008834	1.45623003	1.3744409
A_55_P2091	6705.7	Detected	6487.2	Detected	9292.5	Detected	6750	Detected	Nudt1	1.00660632	1.38576137	1.04051054	1.4324362
A_51_P2117	15.2	Detected	13.1	Not Detect	11.4	Not Detect	15.3	Not Detect	Rlbp1	1.006578947	0.75	1.16793893	0.870229
A_51_P4664	5295.1	Detected	3955.9	Detected	5168.8	Detected	5329.8	Detected	Armc5	1.006553228	0.97614776	1.34730403	1.3066053
A_55_P2012	391788	Detected	406729.7	Detected	394359.4	Detected	394342.7	Detected	Gm6177	1.006520618	1.00656324	0.96954488	0.9695859
A_52_P4715	7024.6	Detected	8617	Detected	7183.2	Detected	7070.1	Detected	Dcaf13	1.006477237	1.0225778	0.82048277	0.833608
A_55_P2105	6524	Detected	6392.6	Detected	7157.3	Detected	6566.2	Detected	Tbc1d31	1.006468424	1.09707235	1.0271564	1.1196227
A_55_P2180	248555.1	Detected	265882.2	Detected	260088.9	Detected	250159	Detected	Gm15772	1.006452895	1.04640339	0.94086404	0.978211
A_52_P6314	3917.5	Detected	3303.2	Detected	5872.5	Detected	3942.7	Detected	Exoc6	1.006432674	1.49904276	1.19360015	1.7778215
A_51_P2337	7969.2	Detected	8109.5	Detected	7121.1	Detected	8020.4	Detected	Dmap1	1.006424735	0.89357777	0.98901289	0.8781183

A_55_P2085	4764.2	Detected	5509.1	Detected	2717.1	Detected	4794.5	Detected	Ankle1	1.006359935	0.57031611	0.87028734	0.4932022
A_55_P2027	1091.8	Detected	865	Detected	1229.2	Detected	1098.7	Detected	Hist1h3f	1.006319839	1.12584722	1.27017341	1.4210405
A_55_P2079	158.5	Detected	115.1	Detected	167.8	Detected	159.5	Detected	Zfp382	1.006309148	1.05867508	1.38575152	1.4578627
A_55_P2012	276	Detected	230.3	Detected	201.1	Detected	277.7	Detected	Cacnb1	1.00615942	0.72862319	1.2058185	0.8732089
A_55_P2361	977.2	Detected	2301.8	Detected	1115.5	Detected	983.2	Detected	2610201A13Rik	1.006139992	1.14152681	0.42714397	0.4846207
A_51_P2900	21970.1	Detected	20083.1	Detected	16802	Detected	22104.6	Detected	Ddx3x	1.006121957	0.76476666	1.10065677	0.8366238
A_52_P2193	736.7	Detected	812.9	Detected	786.5	Detected	741.2	Detected	Tmem177	1.006108321	1.06759875	0.91179727	0.9675237
A_51_P2825	117407.4	Detected	90766.1	Detected	92233.8	Detected	118124.4	Detected	Rhoc	1.00610694	0.78558762	1.3014154	1.0161701
A_55_P2013	284.3	Detected	258.2	Detected	240.8	Detected	286	Detected	Apoc3	1.005979599	0.84699261	1.10766847	0.9326104
A_55_P2035	25120.7	Detected	28787.5	Detected	27437	Detected	25270.7	Detected	Odc1	1.005971171	1.09220683	0.87783587	0.9530873
A_55_P2021	45079.7	Detected	40557.5	Detected	52125.8	Detected	45347	Detected	Mrpl2	1.005929498	1.15630317	1.1180916	1.2852321
A_55_P2014	27049.5	Detected	27632.3	Detected	26159.6	Detected	27209.8	Detected	Ppa2	1.005926172	0.96710106	0.98470992	0.9467037
A_52_P6320	2872.3	Detected	3132.1	Detected	3186.4	Detected	2889.3	Detected	Gtf3c3	1.005918602	1.10935487	0.92248013	1.0173366
A_51_P2627	1233.4	Detected	1364.8	Detected	734.9	Detected	1240.7	Detected	0610009L18Rik	1.005918599	0.59583266	0.90907093	0.5384672
A_55_P2071	21222.2	Detected	24885.1	Detected	24978.3	Detected	21347.6	Detected	Fcf1	1.005908907	1.17698919	0.85784666	1.0037452
A_55_P2095	5683.8	Detected	3174.5	Detected	6119.8	Detected	5717	Detected	Pkn3	1.005841163	1.07670924	1.80091353	1.9277997
A_55_P1956	101679.1	Detected	73977.6	Detected	110754.1	Detected	102269.4	Detected	Polr2l	1.00580552	1.08925138	1.38243739	1.4971302
A_55_P2027	104.5	Detected	83.9	Detected	97	Detected	105.1	Detected	Gm8630	1.005741627	0.92822967	1.25268176	1.1561383
A_52_P4680	3799	Detected	2754.1	Detected	2778.7	Detected	3820.8	Detected	Setd1b	1.005738352	0.73142932	1.38731346	1.0089321
A_51_P3445	491.5	Detected	480.5	Detected	413.3	Detected	494.3	Detected	Irs4	1.005696846	0.84089522	1.02872008	0.8601457
A_55_P2053	109299.3	Detected	116025.6	Detected	113365.4	Detected	109919.4	Detected	Pdia6	1.005673412	1.03720152	0.94737196	0.9770723
A_55_P2170	159.4	Detected	131.9	Detected	150.5	Detected	160.3	Detected	Gm6729	1.005646173	0.94416562	1.21531463	1.1410159
A_51_P1730	139252.3	Detected	163130	Detected	166467.7	Detected	140018.2	Detected	Eif3l	1.005500089	1.1954395	0.85832281	1.0204604
A_51_P1605	18.4	Detected	110.5	Detected	5.8	Not Detect	18.5	Not Detect	1700026D08Rik	1.005434783	0.31521739	0.16742081	0.0524887
A_55_P1962	4441.4	Detected	3759.3	Detected	4913	Detected	4465.5	Detected	Coa5	1.005426217	1.10618274	1.18785412	1.3068922
A_55_P2065	222.9	Detected	280.5	Detected	187.2	Detected	224.1	Detected	Dyx1c1	1.00538358	0.83983849	0.79893048	0.6673797
A_52_P7249	6237.3	Detected	5112.9	Detected	5215.8	Detected	6270.8	Detected	Acbd3	1.005370914	0.83622721	1.22646639	1.0201256
A_55_P2105	356.8	Detected	350.1	Detected	346.8	Detected	358.7	Detected	Tbc1d31	1.005325112	0.97197309	1.02456441	0.9905741
A_55_P1990	43511.9	Detected	35633.9	Detected	37069.3	Detected	43743.6	Detected	Add1	1.00532498	0.85193476	1.22758385	1.0402819
A_55_P2045	57	Detected	52.3	Detected	33.9	Detected	57.3	Detected	Rsg1	1.005263158	0.59473684	1.09560229	0.6481836
A_51_P1130	114.7	Detected	105.9	Detected	91.4	Detected	115.3	Detected	Olfrl1131	1.005231037	0.79686138	1.08876298	0.8630784
A_55_P1953	2526.9	Detected	2505.8	Detected	1947.6	Detected	2540.1	Detected	Mafk	1.005223792	0.77074676	1.01368824	0.7772368
A_55_P2188	134.2	Detected	128.9	Detected	100.7	Detected	134.9	Detected	4930405D01Rik	1.005216095	0.75037258	1.04654771	0.7812258
A_55_P2139	184246	Detected	180982.9	Detected	185320.4	Detected	185201.9	Detected	Rpl11	1.005188172	1.00583133	1.02331159	1.0239664
A_51_P3979	1436.6	Detected	1059.5	Detected	1010.1	Detected	1444	Detected	Smap2	1.005151051	0.70311847	1.36290703	0.9533742
A_55_P1967	3830.4	Detected	3388.6	Detected	3095.3	Detected	3850.1	Detected	Tmem198	1.005143066	0.80808793	1.13619194	0.9134451
A_55_P2144	38.9	Detected	26.7	Detected	46.6	Detected	39.1	Not Detect	Mmp24	1.005141388	1.19794344	1.46441948	1.7453184
A_52_P8502	255.1	Detected	345.8	Detected	234.2	Detected	256.4	Detected	Gadd45gip1	1.005096041	0.91807134	0.74146906	0.6772701
A_52_P1001	926.8	Detected	880.6	Detected	882.3	Detected	931.4	Detected	4930503L19Rik	1.004963315	0.95198533	1.05768794	1.0019305
A_51_P4482	81878.3	Detected	85291.4	Detected	95849.5	Detected	82278	Detected	Cnbp	1.004881635	1.17063373	0.96466936	1.1237886

A_51_P4242	2987.6	Detected	2101.9	Detected	1840.3	Detected	3001.9	Detected	Mecp2	1.004786451	0.61597938	1.42818402	0.8755412
A_55_P1969	61360.5	Detected	58479.6	Detected	67204.2	Detected	61651.1	Detected	Cbx3	1.004735946	1.09523553	1.05423259	1.1491905
A_55_P1973	11319.7	Detected	16336.6	Detected	10269.6	Detected	11373.3	Detected	Trmt61a	1.004735108	0.90723252	0.69618525	0.6286253
A_55_P1972	3496.2	Detected	3183.7	Detected	3748.8	Detected	3512.7	Detected	Hist1h4c	1.00471941	1.07224987	1.10333888	1.1774979
A_52_P4076	380801.4	Detected	335663.3	Detected	401186.8	Detected	382591.3	Detected	H2afj	1.00470035	1.05353289	1.13980676	1.195206
A_55_P2192	21.3	Detected	10.5	Not Detect	18.1	Not Detect	21.4	Not Detect	AW556556	1.004694836	0.84976526	2.03809524	1.7238095
A_52_P4778	9963.3	Detected	6676.6	Detected	9556	Detected	10009.6	Detected	Hmox2	1.004647055	0.95911997	1.49920618	1.4312674
A_55_P2065	315775	Detected	291806.3	Detected	297108	Detected	317221.5	Detected	Medag	1.004580793	0.94088512	1.08709613	1.0181686
A_51_P4292	1720.4	Detected	1706.3	Detected	1902.9	Detected	1728.2	Detected	Fbxl6	1.004533829	1.10607998	1.01283479	1.1152201
A_55_P2067	350040.4	Detected	358189.9	Detected	388768	Detected	351611.8	Detected	Fau	1.004489196	1.11063751	0.98163516	1.0853684
A_55_P2078	37391.8	Detected	31595.1	Detected	41370.1	Detected	37558.1	Detected	H3f3a	1.004447499	1.10639498	1.1887318	1.3093834
A_51_P4643	474.2	Detected	459.5	Detected	144.3	Detected	476.3	Detected	Gdf1	1.004428511	0.30430198	1.03656148	0.314037
A_55_P1999	6073.1	Detected	6969.9	Detected	5993.6	Detected	6099.9	Detected	Dhx33	1.004412903	0.98690949	0.87517755	0.8599263
A_66_P1283	4334.2	Detected	4052	Detected	3863.6	Detected	4353.3	Detected	Hdac1	1.004406811	0.89142172	1.07435834	0.9535044
A_52_P6609	5626.5	Detected	3114.4	Detected	4609.6	Detected	5651	Detected	Dock1	1.004354394	0.81926597	1.8144747	1.4800925
A_55_P2168	55728.8	Detected	51226.4	Detected	63600.2	Detected	55967.5	Detected	Atp5k	1.004283243	1.14124474	1.09255189	1.2415512
A_66_P1067	23.5	Detected	29.8	Detected	25.1	Detected	23.6	Not Detect	Lhfpl3	1.004255319	1.06808511	0.79194631	0.8422819
A_52_P5043	9953.4	Detected	8770.7	Detected	9338.6	Detected	9995.6	Detected	Pmpca	1.004239757	0.93823216	1.13965818	1.0647497
A_55_P2027	24	Detected	11.9	Not Detect	21.3	Detected	24.1	Not Detect	Gm9902	1.004166667	0.8875	2.02521008	1.789916
A_55_P2142	35188.1	Detected	23839.2	Detected	41962.7	Detected	35334.5	Detected	Ninj1	1.004160497	1.19252531	1.48220158	1.7602394
A_52_P6138	1106.9	Detected	878.9	Detected	1076.8	Detected	1111.5	Detected	Zbtb7a	1.00415575	0.97280694	1.26464899	1.2251678
A_55_P2059	73	Detected	93.6	Detected	88.9	Detected	73.3	Detected	Cd101	1.004109589	1.21780822	0.78311966	0.9497863
A_55_P2087	98.6	Detected	81.2	Detected	76.3	Detected	99	Detected	Pecam1	1.004056795	0.77383367	1.21921182	0.9396552
A_55_P2020	89464.5	Detected	60718.3	Detected	96887.4	Detected	89827.2	Detected	Usp50	1.004054122	1.08297034	1.47940901	1.595687
A_55_P2192	175.5	Detected	150.9	Detected	169.9	Detected	176.2	Detected	H2bfm	1.003988604	0.96809117	1.1676607	1.1259112
A_55_P2021	891.6	Detected	742.3	Detected	839.3	Detected	895.1	Detected	Gm16386	1.003925527	0.94134141	1.20584669	1.1306749
A_66_P1394	1133	Detected	974.5	Detected	1007.3	Detected	1137.4	Detected	Mia3	1.003883495	0.8890556	1.16716265	1.0336583
A_55_P2125	12599.5	Detected	10033.2	Detected	11524.9	Detected	12648	Detected	Gm10731	1.003849359	0.9147109	1.26061476	1.1486764
A_55_P2159	3716.4	Detected	4133.5	Detected	3853.8	Detected	3730.3	Detected	Polr1e	1.003740179	1.03697126	0.90245555	0.9323334
A_55_P1983	160944.7	Detected	100333.6	Detected	181732.9	Detected	161537.3	Detected	Ftl1	1.00368201	1.12916362	1.61000203	1.8112865
A_51_P3937	15096.2	Detected	14477.6	Detected	16923.7	Detected	15150.7	Detected	Ndufs2	1.00361018	1.12105695	1.04649251	1.1689576
A_51_P4695	56388.8	Detected	49277.3	Detected	67266.5	Detected	56588.9	Detected	Psma1	1.003548577	1.19290533	1.14837664	1.3650606
A_55_P2034	2706.6	Detected	2227	Detected	2347.4	Detected	2716.2	Detected	Gtf3c1	1.003546885	0.86728737	1.21966771	1.0540638
A_55_P2144	81652.7	Detected	81337.3	Detected	71826.3	Detected	81937.6	Detected	Prpsap1	1.003489168	0.87965615	1.00738038	0.8830672
A_51_P2124	1691.9	Detected	1677.2	Detected	1415.9	Detected	1697.8	Detected	Lrrc41	1.003487204	0.83686979	1.01228238	0.8442046
A_55_P2185	258.9	Detected	195.1	Detected	78.7	Detected	259.8	Detected	Bcl7a	1.003476246	0.30397837	1.33162481	0.4033829
A_55_P2048	310633.5	Detected	279357.5	Detected	335070	Detected	311671	Detected	Gm4786	1.003339949	1.07866666	1.11567078	1.1994308
A_55_P2101	386998.8	Detected	374804.2	Detected	394672.3	Detected	388283.2	Detected	Rpl10a	1.003318873	1.01982823	1.03596278	1.0530093
A_55_P1985	91888.5	Detected	98082.7	Detected	92384.8	Detected	92192.4	Detected	LOC101055799	1.003307269	1.00540111	0.93994558	0.9419072
A_51_P3796	7802.3	Detected	7472.1	Detected	6036.4	Detected	7827.9	Detected	Mlit11	1.003281084	0.7736693	1.04761714	0.8078586

A_52_P5922	707.2	Detected	538.7	Detected	678.9	Detected	709.5	Detected	Zswim3	1.003252262	0.95998303	1.31705959	1.2602562
A_55_P2312	4365.1	Detected	2863.6	Detected	3918.7	Detected	4379.2	Detected	LOC101056152	1.003230167	0.8977343	1.52926386	1.3684523
A_55_P1959	13602.1	Detected	13310.4	Detected	13146.8	Detected	13646	Detected	Tmem222	1.003227443	0.96652723	1.02521337	0.9877089
A_51_P4202	5537.1	Detected	5058.4	Detected	5044.7	Detected	5554.6	Detected	Srrt	1.003160499	0.91107258	1.09809426	0.9972916
A_65_P1002	31.7	Detected	60	Detected	29.1	Detected	31.8	Not Detect	Prdm2	1.003154574	0.91798107	0.53	0.485
A_55_P2066	989.1	Detected	1551.7	Detected	685.2	Detected	992.2	Detected	Prmt6	1.003134162	0.69275099	0.63942772	0.4415802
A_51_P3813	48609.7	Detected	44345.8	Detected	47544.1	Detected	48760.9	Detected	Ddx17	1.00311049	0.97807845	1.09956073	1.0721218
A_55_P1964	3352.4	Detected	2705.9	Detected	3468.8	Detected	3362.8	Detected	Srsf1	1.003102255	1.03472139	1.24276581	1.2819395
A_55_P1988	871.4	Detected	1087	Detected	581.1	Detected	874.1	Detected	Rnf183	1.003098462	0.66685793	0.80413983	0.5345906
A_55_P1970	196893.1	Detected	170960.4	Detected	210659.2	Detected	197499.3	Detected	Rpl35a	1.003078828	1.06991662	1.15523419	1.2322105
A_52_P3438	1775.4	Detected	1828.4	Detected	2326.1	Detected	1780.8	Detected	Creb3l2	1.003041568	1.31018362	0.97396631	1.2722052
A_51_P2932	1583	Detected	1712.6	Detected	1323.4	Detected	1587.8	Detected	Pde7a	1.003032217	0.83600758	0.92712834	0.7727432
A_55_P1989	2830	Detected	1590.8	Detected	2889.8	Detected	2838.4	Detected	Tsc22d3	1.002968198	1.02113074	1.78425949	1.8165703
A_51_P4076	15033.8	Detected	19267.5	Detected	14378.3	Detected	15078.3	Detected	Spl2b	1.002959997	0.95639825	0.78257688	0.7462463
A_55_P2004	236.7	Detected	194.2	Detected	326.8	Detected	237.4	Detected	Hexim2	1.00295733	1.38065061	1.22245108	1.6828012
A_55_P1960	34.2	Detected	31.4	Detected	25.5	Detected	34.3	Not Detect	Atp8b3	1.002923977	0.74561404	1.09235669	0.8121019
A_52_P6258	515.6	Detected	597.1	Detected	506.5	Detected	517.1	Detected	Sf3b1	1.002909232	0.98235066	0.86601909	0.8482666
A_52_P5032	584.5	Detected	647	Detected	468.5	Detected	586.2	Detected	Tmem110	1.002908469	0.80153978	0.90602782	0.7241113
A_55_P1989	34.5	Detected	26.3	Detected	18.3	Detected	34.6	Not Detect	Chml	1.002898551	0.53043478	1.31558935	0.6958175
A_55_P1959	34.5	Detected	67.9	Detected	26.9	Detected	34.6	Not Detect	Gm13119	1.002898551	0.77971014	0.5095729	0.3961708
A_55_P2018	6873	Detected	5722.1	Detected	8927.3	Detected	6892.9	Detected	Cep19	1.002895388	1.29889422	1.2046102	1.560144
A_55_P2131	139	Detected	127.3	Detected	115.8	Detected	139.4	Detected	Gm10785	1.002877698	0.83309353	1.09505106	0.9096622
A_55_P2000	175704.6	Detected	159266.8	Detected	195829.8	Detected	176203.3	Detected	Cfl1	1.002838287	1.11453997	1.10634043	1.2295708
A_52_P5278	1663.4	Detected	1868.7	Detected	1946.1	Detected	1668.1	Detected	Rrp12	1.002825538	1.16995311	0.89265265	1.0414192
A_51_P3595	71.4	Detected	70.9	Detected	53.5	Detected	71.6	Detected	Rtn4r12	1.00280112	0.74929972	1.00987306	0.7545839
A_51_P2918	44528.6	Detected	33441	Detected	52548.4	Detected	44649.3	Detected	Cox14	1.002710617	1.18010447	1.33516641	1.5713765
A_55_P1961	15350.4	Detected	13739.7	Detected	18010.8	Detected	15391.9	Detected	Bnip3l	1.002703513	1.17331144	1.12025008	1.3108583
A_51_P1411	755.5	Detected	783.3	Detected	755.5	Detected	757.5	Detected	Med18	1.002647253	1	0.96706243	0.9645091
A_51_P2269	78.2	Detected	73.8	Detected	72.3	Detected	78.4	Detected	Capn15	1.002557545	0.92455243	1.06233062	0.9796748
A_55_P1953	117.6	Detected	142	Detected	120.5	Detected	117.9	Detected	Cdkl3	1.00255102	1.02465986	0.83028169	0.8485915
A_55_P1969	355.2	Detected	307.9	Detected	360.5	Detected	356.1	Detected	Pdhb	1.002533784	1.01492117	1.15654433	1.1708347
A_55_P2018	79.2	Detected	73.4	Detected	57.7	Detected	79.4	Detected	Crlf2	1.002525253	0.72853535	1.08174387	0.7861035
A_55_P2076	127280.4	Detected	109849.5	Detected	134562.4	Detected	127600.7	Detected	Hspa5	1.002516491	1.05721227	1.16159564	1.2249705
A_55_P2097	4932.4	Detected	3944.2	Detected	4119.2	Detected	4944.6	Detected	Zfp131	1.002473441	0.83513097	1.25363825	1.0443689
A_55_P2035	2404.2	Detected	1437	Detected	1404.3	Detected	2409.9	Detected	Zbtb20	1.002370851	0.58410282	1.67703549	0.9772443
A_55_P2043	21401.8	Detected	15782.9	Detected	21379.1	Detected	21452.4	Detected	Ubac1	1.002364287	0.99893934	1.35921789	1.3545736
A_51_P5146	4723.3	Detected	6981.5	Detected	4591.2	Detected	4734.1	Detected	Zcchc10	1.002286537	0.97203227	0.6780921	0.6576237
A_51_P3274	6275.3	Detected	6149.4	Detected	6156.3	Detected	6289.5	Detected	Rsrc2	1.00226284	0.98103676	1.02278271	1.0011221
A_52_P7534	1906.5	Detected	2125.4	Detected	1441.5	Detected	1910.8	Detected	Spdl1	1.002255442	0.75609756	0.89903077	0.6782253
A_55_P1953	1161.7	Detected	2772.9	Detected	689.7	Detected	1164.3	Detected	Nudt7	1.002238099	0.59369889	0.41988532	0.2487288

A_52_P1425	46	Detected	54.1	Detected	50.8	Detected	46.1	Detected	Tex2	1.002173913	1.10434783	0.85212569	0.9390018
A_55_P2145	138.1	Detected	123.3	Detected	90.5	Detected	138.4	Detected	Pex5l	1.002172339	0.65532223	1.12246553	0.7339822
A_51_P1721	19199.4	Detected	15540.9	Detected	18309.6	Detected	19239.3	Detected	Lurap1l	1.00207819	0.9536548	1.2379785	1.1781557
A_55_P2118	3871.3	Detected	4796.1	Detected	5360.6	Detected	3879.3	Detected	Rnmt	1.002066489	1.38470281	0.80884469	1.1176998
A_55_P2126	13696.2	Detected	9955.8	Detected	9552.6	Detected	13723.6	Detected	Wdr81	1.002000555	0.69746353	1.37845276	0.959501
A_55_P2187	1617.1	Detected	1399.8	Detected	1346.8	Detected	1620.2	Detected	Tpm1	1.001917012	0.83284893	1.15745106	0.9621374
A_55_P1977	368.2	Detected	306.1	Detected	295.4	Detected	368.9	Detected	Slc22a13	1.001901141	0.80228137	1.20516171	0.9650441
A_55_P2059	7036.9	Detected	7598.4	Detected	7397.3	Detected	7049.8	Detected	Atpaf2	1.001833194	1.05121573	0.92780059	0.9735339
A_55_P2074	712.3	Detected	576.3	Detected	629.5	Detected	713.6	Detected	Ube4b	1.001825074	0.88375684	1.23824397	1.092313
A_55_P2039	15355.1	Detected	16147.1	Detected	10594.2	Detected	15379.6	Detected	Zswim8	1.001595561	0.68994666	0.95246825	0.6561054
A_66_P1379	125.5	Detected	101	Detected	106.1	Detected	125.7	Detected	Rbm3os	1.001593625	0.84541833	1.24455446	1.050495
A_55_P1990	6065.5	Detected	4859.8	Detected	5831.2	Detected	6075.1	Detected	Cox18	1.001582722	0.96137169	1.25007202	1.1998848
A_55_P2018	257	Detected	229.8	Detected	352.8	Detected	257.4	Detected	Bivm	1.00155642	1.37276265	1.12010444	1.535248
A_55_P2109	324	Detected	223.6	Detected	248.7	Detected	324.5	Detected	Shb	1.00154321	0.76759259	1.45125224	1.112254
A_66_P1054	131.7	Detected	76.9	Detected	92.8	Detected	131.9	Detected	Ccdc14	1.001518603	0.70463174	1.71521456	1.206762
A_55_P2062	3982.5	Detected	4240.1	Detected	2848	Detected	3988.1	Detected	E2f7	1.001406152	0.71512869	0.94056744	0.6716823
A_52_P3915	3656.5	Detected	3194.9	Detected	3517.7	Detected	3661.6	Detected	Bmi1	1.001394776	0.9620402	1.14607656	1.101036
A_52_P1791	8538.6	Detected	6940	Detected	9522.8	Detected	8548.9	Detected	Bend3	1.001206287	1.1152648	1.23182997	1.3721614
A_55_P1964	9943.6	Detected	7846.3	Detected	11519.4	Detected	9955.2	Detected	Opa1	1.00116658	1.15847379	1.26877637	1.4681315
A_51_P3474	10322.9	Detected	8104.2	Detected	7522.2	Detected	10334.8	Detected	Htatsf1	1.001152777	0.72869058	1.27524	0.9281854
A_55_P2056	1187.7	Detected	988	Detected	970.1	Detected	1189	Detected	Gpr3	1.001094552	0.81678875	1.2034413	0.9818826
A_55_P2050	380.9	Detected	308.7	Detected	394.9	Detected	381.3	Detected	Slc29a3	1.001050144	1.03675505	1.23517979	1.2792355
A_55_P1976	2257.6	Detected	1497.1	Detected	2244	Detected	2259.8	Detected	Cnih4	1.000974486	0.9939759	1.50945161	1.4988979
A_51_P4830	4857.8	Detected	4523.1	Detected	4597.3	Detected	4862.1	Detected	Arel1	1.000885174	0.9463749	1.0749486	1.0164047
A_55_P2160	11143.4	Detected	10801.9	Detected	10461.1	Detected	11152.5	Detected	Set	1.000816627	0.93877093	1.03245725	0.96845
A_55_P2060	2009.1	Detected	2499.9	Detected	1259	Detected	2010.6	Detected	Hoxa3	1.000746603	0.62664875	0.80427217	0.5036201
A_55_P2042	13210.9	Detected	11205.1	Detected	11673.9	Detected	13219.7	Detected	Ctdnep1	1.000666117	0.88365668	1.17979313	1.0418381
A_51_P1418	4197	Detected	3944.1	Detected	3555	Detected	4199.4	Detected	Ube3c	1.000571837	0.8470336	1.0647296	0.9013463
A_55_P1998	244	Detected	170.4	Detected	171	Detected	244.1	Detected	Brwd1	1.000409836	0.70081967	1.43251174	1.0035211
A_52_P6058	11087.9	Detected	8027.2	Detected	12271.8	Detected	11092.4	Detected	Tm9sf3	1.000405848	1.10677405	1.3818517	1.5287772
A_51_P3393	268.4	Detected	342	Detected	370.5	Detected	268.5	Detected	Setmar	1.000372578	1.38040238	0.78508772	1.0833333
A_51_P1305	2244.4	Detected	2352.4	Detected	1595.3	Detected	2244.6	Detected	Gas5	1.000089111	0.7107913	0.95417446	0.6781585
A_55_P2163	18.5	Detected	13.4	Not Detect	31.1	Detected	18.5	Not Detect	Gm10220	1	1.68108108	1.38059701	2.3208955
A_66_P1354	44.1	Detected	34.1	Detected	20.4	Detected	44.1	Not Detect	Gm9099	1	0.46258503	1.29325513	0.5982405
A_52_P3338	19.9	Detected	15.9	Detected	14.3	Not Detect	19.9	Not Detect	Tas2r118	1	0.71859296	1.25157233	0.8993711
A_55_P2104	24.4	Detected	19.8	Detected	22.9	Detected	24.4	Not Detect	Gm3317	1	0.93852459	1.23232323	1.1565657
A_55_P2020	66.5	Detected	54.2	Detected	69.4	Detected	66.5	Detected	Madcam1	1	1.04360902	1.22693727	1.2804428
A_55_P1985	24.8	Detected	20.6	Detected	13.4	Not Detect	24.8	Not Detect	Usp27x	1	0.54032258	1.2038835	0.6504854
A_55_P2242	20	Detected	16.8	Detected	17.8	Detected	20	Not Detect	Cog5	1	0.89	1.19047619	1.0595238
A_55_P2158	15.3	Detected	17.9	Detected	11.2	Not Detect	15.3	Not Detect	Prob1	1	0.73202614	0.8547486	0.6256983

A_55_P2093	64.2 Detected	76 Detected	72 Detected	64.2 Detected	Rnf151	1	1.12149533	0.84473684	0.9473684
A_55_P2148	25.8 Detected	34.8 Detected	19.9 Detected	25.8 Not Detect	A430060F13Rik	1	0.77131783	0.74137931	0.5718391
A_55_P2298	98.3 Detected	139.8 Detected	103.4 Detected	98.3 Detected	Trmt10a	1	1.05188199	0.70314735	0.739628
A_55_P2181	13.6 Not Detect	20.8 Detected	13.2 Not Detect	13.6 Not Detect	1700018C11Rik	1	0.97058824	0.65384615	0.6346154
A_55_P2103	122.1 Detected	188.5 Detected	31.4 Detected	122.1 Detected	Sema3d	1	0.25716626	0.64774536	0.1665782
A_55_P2181	16.6 Detected	26.7 Detected	13.2 Not Detect	16.6 Not Detect	Sult1d1	1	0.79518072	0.62172285	0.494382
A_55_P2084	29.9 Detected	54.7 Detected	21.7 Detected	29.9 Not Detect	Adc	1	0.72575251	0.54661792	0.3967093
A_52_P3141	11.1 Not Detect	21.4 Detected	18.6 Detected	11.1 Not Detect	3110054G05Rik	1	1.67567568	0.51869159	0.8691589
A_55_P2149	497748.2 Detected	452993.6 Detected	527846.9 Detected	497742.9 Detected	Rpl35	0.999989352	1.06046973	1.09878572	1.1652414
A_51_P1857	972.5 Detected	953.8 Detected	1305.5 Detected	972.4 Detected	Ptdss2	0.999897172	1.34241645	1.01950094	1.3687356
A_51_P4786	7333.8 Detected	5585.1 Detected	7105.3 Detected	7332.9 Detected	Samd10	0.999877281	0.96884289	1.31293979	1.2721885
A_55_P2209	5334 Detected	4522.5 Detected	4209.1 Detected	5333.3 Detected	2610002J23Rik	0.999868766	0.78910761	1.17928137	0.930702
A_52_P2269	718.3 Detected	714.8 Detected	596.4 Detected	718.1 Detected	Cflar	0.999721565	0.83029375	1.00461668	0.8343593
A_55_P2110	1907.3 Detected	1714.5 Detected	1703.1 Detected	1906.7 Detected	Trip12	0.999685419	0.89293766	1.11210265	0.9933508
A_51_P2847	3730.5 Detected	4306.5 Detected	3333.1 Detected	3729.1 Detected	Ints12	0.999624715	0.89347272	0.8659236	0.7739696
A_55_P1980	89202 Detected	80003.7 Detected	93323 Detected	89165.1 Detected	Ndufb11	0.999586332	1.04619852	1.1145122	1.1664836
A_55_P2084	10485.8 Detected	10662.1 Detected	10128.5 Detected	10480.3 Detected	BC017643	0.999475481	0.96592535	0.98294895	0.9499536
A_51_P3782	181.1 Detected	135.3 Detected	121.2 Detected	181 Detected	Guca2a	0.999447819	0.66924351	1.33776792	0.8957871
A_55_P1977	6156.7 Detected	5833 Detected	5295.9 Detected	6153 Detected	Ogfod2	0.999399029	0.86018484	1.05486028	0.9079205
A_55_P2051	159.9 Detected	88.8 Detected	153.3 Detected	159.8 Detected	D2hgdh	0.999374609	0.9587242	1.79954955	1.7263514
A_55_P2121	45493.6 Detected	36006.5 Detected	36445.9 Detected	45464.6 Detected	Nudcd3	0.999362548	0.80112148	1.26267757	1.0122034
A_55_P2032	1939.3 Detected	1976.3 Detected	2531.3 Detected	1938 Detected	Tomm40l	0.999329655	1.30526479	0.98062035	1.2808278
A_51_P3185	5322.7 Detected	8124.5 Detected	5385.6 Detected	5319.1 Detected	Nle1	0.999323652	1.01181731	0.65469875	0.6628839
A_55_P2031	36831.4 Detected	18240.6 Detected	36231.9 Detected	36804.2 Detected	Gstp1	0.9992615	0.98372313	2.01770775	1.9863327
A_51_P3795	36599.9 Detected	35787 Detected	42106.8 Detected	36572.1 Detected	Ndufs1	0.999240435	1.15046216	1.02193813	1.1765949
A_55_P2007	4283.3 Detected	3702.8 Detected	4354.2 Detected	4279.8 Detected	Elf2	0.999182873	1.01655266	1.15582802	1.1759209
A_55_P2116	115.6 Detected	85.4 Detected	117.9 Detected	115.5 Detected	Mrgprf	0.999134948	1.01989619	1.35245902	1.3805621
A_55_P2210	343.5 Detected	523.7 Detected	310.4 Detected	343.2 Detected	4732423E21Rik	0.999126638	0.90363901	0.65533703	0.5927057
A_66_P1369	434.9 Detected	464.5 Detected	405.2 Detected	434.5 Detected	Med14	0.999080248	0.93170844	0.93541442	0.8723358
A_66_P1309	15585.7 Detected	16933.1 Detected	15281.1 Detected	15570.9 Detected	Psmd11	0.999050412	0.98045644	0.91955401	0.9024396
A_55_P2123	658.5 Detected	431.3 Detected	540.2 Detected	657.8 Detected	Tug1	0.998936978	0.82034928	1.5251565	1.2524925
A_51_P2088	4583.2 Detected	4244.4 Detected	6585 Detected	4578.2 Detected	Ndufab1	0.998909059	1.43676907	1.0786448	1.551456
A_52_P1521	16256.2 Detected	13509.7 Detected	17652.5 Detected	16238.4 Detected	Ctbp2	0.998905033	1.08589338	1.2019808	1.3066537
A_51_P2375	10377.5 Detected	11027.8 Detected	8761.2 Detected	10365.4 Detected	Akirin1	0.998834016	0.84424958	0.93993362	0.7944649
A_55_P2069	506.8 Detected	485.5 Detected	400.3 Detected	506.2 Detected	Mtf1	0.998816101	0.78985793	1.04263646	0.8245108
A_55_P2028	1139.5 Detected	899 Detected	1142.1 Detected	1138.1 Detected	Ate1	0.998771391	1.0022817	1.26596218	1.2704116
A_55_P1970	80.7 Detected	74.8 Detected	79.8 Detected	80.6 Detected	Dgkh	0.998760843	0.98884758	1.07754011	1.0668449
A_55_P2107	777.5 Detected	598.9 Detected	649 Detected	776.5 Detected	Mcm8	0.998713826	0.83472669	1.29654366	1.0836534
A_55_P1975	9611.4 Detected	11045.8 Detected	11441.2 Detected	9598.9 Detected	Pnpt1	0.998699461	1.19037809	0.86900904	1.0357964
A_55_P2015	994.9 Detected	856.8 Detected	888.3 Detected	993.6 Detected	E430024I08Rik	0.998693336	0.89285355	1.15966387	1.0367647

A_55_P1968	337428.3	Detected	329948.8	Detected	321477.7	Detected	336980.3	Detected	Rpl10	0.998672311	0.95272892	1.02131088	0.974326
A_55_P2404	958.9	Detected	971.6	Detected	1024.7	Detected	957.6	Detected	Rbm27	0.99864428	1.06862029	0.98559078	1.0546521
A_51_P2093	4972	Detected	5520.1	Detected	5152.5	Detected	4965.1	Detected	Polr1e	0.998612228	1.0363033	0.89945834	0.933407
A_55_P1981	5698.1	Detected	4507.9	Detected	6238.7	Detected	5690	Detected	Thap7	0.998578474	1.09487373	1.26222853	1.3839482
A_55_P2425	2078.4	Detected	990.8	Detected	1366.5	Detected	2075.3	Detected	D030036P13Rik	0.998508468	0.65747691	2.09457004	1.3791885
A_55_P2013	259.8	Detected	228.3	Detected	240.9	Detected	259.4	Detected	Paip1	0.998460354	0.92725173	1.13622427	1.0551905
A_55_P1977	9430.8	Detected	6909.3	Detected	13135.4	Detected	9416	Detected	Pigp	0.998430674	1.39281927	1.36280086	1.9011188
A_55_P2031	946	Detected	662.6	Detected	769.9	Detected	944.5	Detected	Usp47	0.998414376	0.81384778	1.42544522	1.1619378
A_52_P4560	10587.7	Detected	10775.6	Detected	12134.9	Detected	10570.7	Detected	Commd2	0.998394363	1.14613183	0.98098482	1.1261461
A_51_P1765	24256.4	Detected	27244.6	Detected	25705.6	Detected	24216.8	Detected	Rps19bp1	0.998367441	1.05974506	0.88886605	0.9435117
A_66_P1387	907.3	Detected	822.1	Detected	958.5	Detected	905.8	Detected	Usp19	0.998346743	1.05643117	1.10181243	1.1659166
A_55_P1998	19455.9	Detected	15940.8	Detected	19002.4	Detected	19422.8	Detected	Wsb2	0.998298717	0.97669088	1.2184332	1.1920606
A_52_P3141	523.1	Detected	671.2	Detected	344.8	Detected	522.2	Detected	Pkia	0.998279488	0.65914739	0.77800954	0.5137068
A_55_P2020	1966	Detected	2125.9	Detected	2279	Detected	1962.6	Detected	Snx6	0.9982706	1.15920651	0.92318547	1.0720166
A_55_P2044	113.8	Detected	136.8	Detected	140.6	Detected	113.6	Detected	Rsph1	0.998242531	1.23550088	0.83040936	1.0277778
A_55_P2080	56.6	Detected	46.7	Detected	44.1	Detected	56.5	Detected	Olfir704	0.998233216	0.77915194	1.20985011	0.9443255
A_51_P1130	22898.1	Detected	18756.8	Detected	27896.1	Detected	22857.6	Detected	Cdc123	0.998231294	1.21827138	1.21863004	1.4872526
A_55_P1989	108708.6	Detected	105831.4	Detected	129824.3	Detected	108490.1	Detected	Ddb1	0.997990039	1.1942413	1.02512203	1.2267087
A_51_P1818	49.2	Detected	62.9	Detected	44.2	Detected	49.1	Detected	Tmem38b	0.99796748	0.89837398	0.78060413	0.7027027
A_55_P2165	422	Detected	223.4	Detected	353.9	Detected	421.1	Detected	Abl1	0.997867299	0.83862559	1.88495971	1.584154
A_51_P4511	184.9	Detected	88.7	Detected	233.1	Detected	184.5	Detected	Bhlhe41	0.997836668	1.26068145	2.0800451	2.6279594
A_51_P1402	17658.6	Detected	14438.5	Detected	23438.2	Detected	17619.8	Detected	Fhl2	0.99780277	1.32729661	1.22033452	1.6233127
A_55_P2024	3912.5	Detected	3335.3	Detected	5149.6	Detected	3903.9	Detected	Rpe	0.997801917	1.31619169	1.17047942	1.5439691
A_52_P4099	225.2	Detected	211.6	Detected	192.4	Detected	224.7	Detected	Ccnt2	0.997779751	0.85435169	1.06190926	0.9092628
A_51_P4903	4694.6	Detected	4147.3	Detected	8181.5	Detected	4684.1	Detected	Nudt8	0.997763388	1.74274699	1.12943361	1.9727292
A_55_P1985	121134.4	Detected	111383.4	Detected	137426.1	Detected	120857.2	Detected	Rpl28	0.997711633	1.13449276	1.08505576	1.2338113
A_55_P2004	2520.6	Detected	2312.5	Detected	1966.8	Detected	2514.8	Detected	Cep95	0.997698961	0.78029041	1.08748108	0.8505081
A_51_P4704	16864.9	Detected	11787.3	Detected	14236.9	Detected	16826	Detected	Setx	0.997693434	0.8441734	1.42746855	1.2078169
A_55_P2008	75039.2	Detected	39407.4	Detected	72555	Detected	74861.7	Detected	Gstp2	0.99763457	0.96689464	1.89968635	1.8411517
A_55_P2081	41.9	Detected	17.3	Not Detect	53	Detected	41.8	Not Detect	Olfir477	0.997613365	1.26491647	2.41618497	3.0635838
A_55_P2083	366.9	Detected	346	Detected	324.3	Detected	366	Detected	Gm10142	0.997547016	0.88389207	1.05780347	0.9372832
A_55_P1975	2314.1	Detected	2402.9	Detected	2506.2	Detected	2308.4	Detected	Nfyb	0.997536839	1.08301283	0.96067252	1.0429897
A_51_P3751	20912.6	Detected	25734.5	Detected	24200.8	Detected	20860.6	Detected	Rpf2	0.997513461	1.15723535	0.81060833	0.940403
A_55_P2084	418494.9	Detected	379329.1	Detected	436511.6	Detected	417394.2	Detected	Hist1h2af	0.99736986	1.04305118	1.10034848	1.1507464
A_51_P4414	214.1	Detected	190.7	Detected	172.5	Detected	213.5	Detected	Jmy	0.997197571	0.80569827	1.11955952	0.9045621
A_55_P2005	5763.1	Detected	8028	Detected	5886.5	Detected	5746.9	Detected	Herc4	0.997189013	1.02141209	0.715857	0.7332461
A_51_P3523	2458.6	Detected	2714.2	Detected	3598.4	Detected	2451.6	Detected	Dhrs4	0.997152851	1.46359717	0.90324958	1.3257682
A_52_P1171	207.4	Detected	194.2	Detected	475.9	Detected	206.8	Detected	Epc1	0.99710704	2.29459981	1.06488157	2.4505664
A_55_P2037	4835.2	Detected	5397.6	Detected	4598.7	Detected	4821.2	Detected	Alkbh2	0.997104567	0.95108786	0.8932118	0.8519898
A_52_P2349	7875.8	Detected	7065.3	Detected	6490.8	Detected	7852.8	Detected	Dvl1	0.997079662	0.82414485	1.11146024	0.9186871

A_51_P1725	53319.7	Detected	45594.1	Detected	58332.1	Detected	53163.3	Detected	Sod2	0.99706675	1.09400653	1.16601271	1.2793783
A_55_P2047	10756.2	Detected	7609	Detected	6084.1	Detected	10724.4	Detected	Mafg	0.997043566	0.56563656	1.40943619	0.7995926
A_52_P1025	33149.9	Detected	27944.7	Detected	37529.8	Detected	33050.3	Detected	Psmc4	0.996995466	1.13212408	1.1827037	1.3430024
A_55_P2171	1218.3	Detected	846.3	Detected	1114.9	Detected	1214.6	Detected	Nptn	0.996962981	0.91512764	1.43518847	1.3173815
A_55_P1952	61519.5	Detected	53550.2	Detected	65307.3	Detected	61332.6	Detected	Gm11686	0.996961939	1.06157072	1.14532906	1.2195529
A_66_P1191	2257.3	Detected	1394.3	Detected	2113.5	Detected	2250.4	Detected	Inpp5e	0.996943251	0.93629557	1.61399986	1.5158144
A_66_P1298	221894.4	Detected	275292.9	Detected	212430.9	Detected	221206.1	Detected	Npm1	0.996898074	0.95735133	0.80352999	0.7716541
A_55_P2006	32	Detected	38.7	Detected	28.5	Detected	31.9	Not Detect	Parp10	0.996875	0.890625	0.82428941	0.7364341
A_51_P1032	14879.6	Detected	11020.8	Detected	13372.4	Detected	14831.8	Detected	Ttc7	0.996787548	0.89870695	1.34580067	1.2133783
A_55_P2145	4187.5	Detected	3550	Detected	4857.2	Detected	4174	Detected	Hist1h3c	0.996776119	1.15992836	1.17577465	1.3682254
A_55_P2110	1253.9	Detected	1181	Detected	1322.3	Detected	1249.8	Detected	Pttg1	0.996730202	1.0545498	1.05825572	1.1196444
A_51_P1060	30650.7	Detected	23722.9	Detected	27861.6	Detected	30550.2	Detected	Traf4	0.996721119	0.90900371	1.28779365	1.1744601
A_52_P4520	800.5	Detected	672.5	Detected	461.8	Detected	797.8	Detected	Usp31	0.996627108	0.57688944	1.1863197	0.6866914
A_55_P2016	135014.3	Detected	143954.2	Detected	141004.4	Detected	134558.7	Detected	Eif3d	0.996625543	1.04436641	0.93473271	0.9795088
A_55_P1987	33137.8	Detected	36568.7	Detected	49685	Detected	33023	Detected	Trmt112	0.996535678	1.49934516	0.90304003	1.3586756
A_55_P2107	8467.2	Detected	9323.9	Detected	9159	Detected	8437.5	Detected	Kansl2	0.996492347	1.08170351	0.90493249	0.9823143
A_55_P1981	1444.1	Detected	1595.3	Detected	1592.4	Detected	1438.9	Detected	Rrp8	0.996399141	1.10269372	0.90196201	0.9981822
A_52_P2870	12093.8	Detected	14114.4	Detected	16552.7	Detected	12049.9	Detected	Sssca1	0.996370041	1.36869305	0.85373094	1.1727526
A_51_P1065	16700.4	Detected	15967.9	Detected	20911.3	Detected	16638.4	Detected	Fam195a	0.996287514	1.25214366	1.04199049	1.3095836
A_55_P2143	89229.3	Detected	87776.5	Detected	82759.8	Detected	88896.9	Detected	Phgdh	0.996274766	0.92749579	1.01276424	0.9428469
A_55_P1965	13779.3	Detected	11638.3	Detected	10543.6	Detected	13727.8	Detected	Hcfc1	0.99626251	0.76517675	1.17953653	0.9059399
A_51_P1639	25115.7	Detected	22766.2	Detected	30018.9	Detected	25021.5	Detected	Spr	0.996249358	1.1952245	1.09906352	1.3185731
A_55_P1983	23810	Detected	22330.3	Detected	22824.3	Detected	23719.7	Detected	Birc5	0.996207476	0.95860143	1.06222039	1.0221224
A_55_P2181	865.7	Detected	1037	Detected	453.3	Detected	862.4	Detected	Akap11	0.996188056	0.5236225	0.8316297	0.4371263
A_52_P6552	78.1	Detected	73.2	Detected	107.9	Detected	77.8	Detected	6430550D23Rik	0.996158771	1.3815621	1.06284153	1.4740437
A_55_P2367	3934.5	Detected	3834.5	Detected	3604.9	Detected	3919.2	Detected	Pitpnb	0.996111323	0.91622824	1.02208893	0.9401226
A_55_P1971	8542.7	Detected	7832.7	Detected	7240.4	Detected	8508	Detected	Slc4a1ap	0.995938052	0.84755405	1.08621548	0.9243811
A_55_P2061	226581	Detected	173694.5	Detected	128072.1	Detected	225647.1	Detected	Tmsb4x	0.995878295	0.5652376	1.29910331	0.7373411
A_55_P2112	22180.7	Detected	23356.7	Detected	22631.5	Detected	22088.6	Detected	Ube2b	0.995847742	1.02032398	0.94570723	0.9689511
A_55_P2005	144.3	Detected	146.4	Detected	118.1	Detected	143.7	Detected	Ubxn11	0.995841996	0.81843382	0.98155738	0.806694
A_51_P1946	47.1	Detected	35.5	Detected	38.8	Detected	46.9	Not Detect	Prss34	0.995753715	0.82377919	1.32112676	1.0929577
A_55_P1965	140.9	Detected	210.4	Detected	141.9	Detected	140.3	Detected	Eif4e	0.995741661	1.00709723	0.6668251	0.6744297
A_55_P2136	8913.4	Detected	10552.1	Detected	12621.7	Detected	8875.4	Detected	Ripk4	0.995736756	1.41603653	0.84110272	1.1961316
A_52_P5331	6731.2	Detected	5830.9	Detected	6080.2	Detected	6702.4	Detected	Dnajc2	0.995721417	0.90328619	1.14946235	1.042755
A_52_P5517	419	Detected	361.8	Detected	378	Detected	417.2	Detected	Kdm6a	0.995704057	0.90214797	1.15312327	1.0447761
A_55_P2065	7854.1	Detected	6879.4	Detected	7547.2	Detected	7820.3	Detected	Naa50	0.995696515	0.96092487	1.13677065	1.0970724
A_51_P1981	2123.8	Detected	3002.4	Detected	2079.2	Detected	2114.6	Detected	Ubxn8	0.995668142	0.97899991	0.70430322	0.6925127
A_55_P2077	646	Detected	621.5	Detected	684.6	Detected	643.2	Detected	C330021F23Rik	0.995665635	1.05975232	1.03491553	1.1015286
A_55_P2064	3526.7	Detected	2473.1	Detected	3047.1	Detected	3511.2	Detected	Anks1	0.995604956	0.86400885	1.41975658	1.2320974
A_55_P2015	22.3	Detected	20	Detected	30.8	Detected	22.2	Not Detect	Abat	0.995515695	1.38116592	1.11	1.54

A_55_P2108	65.6	Detected	53.3	Detected	75.9	Detected	65.3	Detected	Ephb6	0.995426829	1.1570122	1.22514071	1.424015
A_55_P2057	2427.1	Detected	2508.1	Detected	2722.2	Detected	2415.8	Detected	Rft1	0.995344238	1.12158543	0.96319923	1.0853634
A_66_P1332	19447	Detected	18397.9	Detected	19171.1	Detected	19356	Detected	Hnrnp1l	0.995320615	0.98581272	1.0520766	1.0420265
A_55_P2135	13188.5	Detected	13660	Detected	13577.7	Detected	13125.5	Detected	Rpgrip1	0.995223111	1.02951056	0.96087116	0.9939751
A_55_P2111	331.4	Detected	537.6	Detected	378.1	Detected	329.8	Detected	Klhl32	0.995171998	1.14091732	0.61346726	0.703311
A_51_P2621	3950.1	Detected	3753.1	Detected	3680.4	Detected	3930.9	Detected	Ptcd2	0.995139364	0.93172325	1.04737417	0.9806293
A_55_P2011	9465.7	Detected	6372.5	Detected	7982.7	Detected	9418.8	Detected	Ralgapb	0.995045269	0.84332907	1.47803845	1.2526795
A_55_P1963	30386.1	Detected	27858.9	Detected	26591.5	Detected	30232	Detected	E430025E21Rik	0.994928602	0.87512053	1.08518283	0.9545065
A_52_P2498	45888	Detected	42836.8	Detected	39304.4	Detected	45653.5	Detected	Agpat6	0.994889732	0.85652894	1.06575421	0.9175382
A_55_P1958	13241	Detected	13062.8	Detected	15660.4	Detected	13173.3	Detected	Arf2	0.994887093	1.18272034	1.00845914	1.1988548
A_55_P2067	19.5	Detected	33.2	Detected	13.4	Not Detect	19.4	Not Detect	Zfp827	0.994871795	0.68717949	0.58433735	0.4036145
A_51_P3593	32270.7	Detected	28963.6	Detected	40168.4	Detected	32102.1	Detected	Fh1	0.994775446	1.24473284	1.10836015	1.386858
A_55_P1991	12347.3	Detected	13016	Detected	14827.6	Detected	12282.1	Detected	Ppp1r16a	0.994719493	1.20087792	0.94361555	1.1391825
A_55_P2080	151648	Detected	163575.5	Detected	163134.5	Detected	150844	Detected	Rpl26	0.994698249	1.07574449	0.92216744	0.997304
A_52_P4676	6326.8	Detected	4778.2	Detected	4883.1	Detected	6293.1	Detected	Sptbn1	0.994673453	0.77181197	1.31704408	1.0219539
A_55_P1990	36048.7	Detected	28471.6	Detected	41774.5	Detected	35855.4	Detected	Msrb1	0.994637809	1.15883513	1.25933913	1.467234
A_55_P1980	36797.9	Detected	34405.5	Detected	35924.9	Detected	36600.4	Detected	Srsf3	0.994632846	0.97627582	1.06379503	1.0441615
A_55_P2025	27022.4	Detected	24919.8	Detected	29940.3	Detected	26876.7	Detected	Ammecr1l	0.994608177	1.10798079	1.07852792	1.2014663
A_51_P4464	9951.6	Detected	7488	Detected	8052.4	Detected	9897.6	Detected	Cldn25	0.994573737	0.80915632	1.32179487	1.0753739
A_55_P2317	18.2	Detected	24.3	Detected	11.7	Not Detect	18.1	Not Detect	E130104P22Rik	0.994505495	0.64285714	0.74485597	0.4814815
A_52_P5788	72.5	Detected	70.8	Detected	74.9	Detected	72.1	Detected	Pigb	0.994482759	1.03310345	1.01836158	1.0579096
A_55_P2131	333945.8	Detected	298515.6	Detected	357938	Detected	332087.9	Detected	Hist2h2aa2	0.994436522	1.07184459	1.11246414	1.1990596
A_66_P1110	2422.5	Detected	2516.7	Detected	3031.7	Detected	2408.8	Detected	Ube2f	0.994344685	1.25147575	0.9571264	1.2046331
A_52_P1617	555.9	Detected	687.9	Detected	506.8	Detected	552.7	Detected	Cand1	0.994243569	0.91167476	0.80345981	0.736735
A_51_P3234	2904.5	Detected	2689	Detected	2775.4	Detected	2887.4	Detected	Gtf2h2	0.994112584	0.95555173	1.07378208	1.0321309
A_52_P6467	12151.3	Detected	12754	Detected	11663.6	Detected	12079.4	Detected	Tex30	0.994082938	0.95986438	0.94710679	0.9145053
A_51_P1336	253.5	Detected	235.3	Detected	296.6	Detected	252	Detected	Gtf2a1	0.99408284	1.17001972	1.07097323	1.2605185
A_55_P2126	50.2	Detected	39.1	Detected	38.9	Detected	49.9	Detected	E230025N22Rik	0.994023904	0.7749004	1.27621483	0.9948849
A_55_P2046	380.9	Detected	320.3	Detected	439.5	Detected	378.6	Detected	Arl6ip6	0.99396167	1.15384615	1.18201686	1.3721511
A_51_P1078	379.3	Detected	396	Detected	360.3	Detected	377	Detected	Ttc19	0.993936198	0.94990772	0.9520202	0.9098485
A_52_P1482	1018.8	Detected	1018.3	Detected	981.3	Detected	1012.5	Detected	Mis18bp1	0.993816254	0.96319199	0.99430423	0.9636649
A_51_P1512	1794.4	Detected	1484.1	Detected	2130.1	Detected	1783.3	Detected	Slc35b3	0.993814088	1.18708203	1.20160367	1.4352806
A_51_P1626	659.4	Detected	837.3	Detected	663.9	Detected	655.3	Detected	Armc7	0.993782226	1.00682439	0.78263466	0.7929058
A_55_P2145	111.9	Detected	114.9	Detected	87.3	Detected	111.2	Detected	Gm9975	0.993744415	0.78016086	0.96779809	0.7597911
A_51_P4509	8730.5	Detected	7926.5	Detected	10756.8	Detected	8675.8	Detected	Pole4	0.993734609	1.23209438	1.094531	1.3570681
A_55_P2416	537.8	Detected	497.6	Detected	413.7	Detected	534.4	Detected	Cep290	0.993677947	0.76924507	1.07395498	0.8313907
A_55_P2110	94.5	Detected	105.2	Detected	68.1	Detected	93.9	Detected	Proca1	0.993650794	0.72063492	0.89258555	0.6473384
A_52_P4694	329.1	Detected	303.2	Detected	285.4	Detected	327	Detected	Toe1	0.993618961	0.86721361	1.07849604	0.9412929
A_51_P4899	4568	Detected	4377.5	Detected	4978.7	Detected	4538.8	Detected	Ogg1	0.993607706	1.08990806	1.03684752	1.1373387
A_55_P1973	1289.4	Detected	944.1	Detected	1446.1	Detected	1281.1	Detected	Sema6b	0.993562897	1.12152939	1.35695371	1.5317233

A_55_P2322	339.7	Detected	276.8	Detected	303.8	Detected	337.5	Detected	Chm	0.993523697	0.89431852	1.21929191	1.0975434
A_51_P4257	2206.5	Detected	2131.2	Detected	2125.7	Detected	2192	Detected	Tbc1d7	0.993428507	0.96338092	1.02852853	0.9974193
A_55_P2067	15.2	Detected	10.2	Not Detect	12.2	Not Detect	15.1	Not Detect	Psg21	0.993421053	0.80263158	1.48039216	1.1960784
A_55_P1995	348796.3	Detected	331721.1	Detected	358171.9	Detected	346478.6	Detected	Rplp1	0.993355147	1.02687987	1.04448767	1.0797381
A_55_P2125	966.8	Detected	813	Detected	1078.7	Detected	960.3	Detected	Tulp1	0.993276789	1.11574266	1.18118081	1.3268143
A_55_P2079	180451.6	Detected	170433.2	Detected	192353.2	Detected	179233.3	Detected	Gm13249	0.993248605	1.06595453	1.05163372	1.1286134
A_55_P2035	29.5	Detected	27.5	Detected	15.2	Not Detect	29.3	Not Detect	Gm8884	0.993220339	0.51525424	1.06545455	0.5527273
A_55_P1957	210056.2	Detected	125258.9	Detected	208057.7	Detected	208628.7	Detected	Gstp2	0.9932042	0.99048588	1.66557985	1.6610213
A_66_P1266	131.2	Detected	142.2	Detected	110.2	Detected	130.3	Detected	4732414G09Rik	0.993140244	0.83993902	0.91631505	0.7749648
A_55_P1968	29	Detected	36.6	Detected	30.6	Detected	28.8	Not Detect	Gm10431	0.993103448	1.05517241	0.78688525	0.8360656
A_55_P2068	173.5	Detected	116	Detected	108.8	Detected	172.3	Detected	Gm20878	0.993083573	0.62708934	1.48534483	0.937931
A_55_P2004	1170.9	Detected	1430.3	Detected	889.2	Detected	1162.8	Detected	Dnajc25	0.993082244	0.75941583	0.8129763	0.6216878
A_55_P1988	36996.4	Detected	34641.4	Detected	48930.6	Detected	36740.1	Detected	Eef1g	0.993072299	1.32257733	1.06058358	1.4124891
A_51_P4576	171.5	Detected	173.5	Detected	163.9	Detected	170.3	Detected	Cyp46a1	0.993002915	0.95568513	0.9815562	0.9446686
A_52_P3169	2547.6	Detected	2133.6	Detected	2402.2	Detected	2529.7	Detected	Sh3bgrl2	0.992973779	0.94292668	1.18564867	1.1258905
A_51_P4242	40959.2	Detected	37952.5	Detected	46580	Detected	40668.2	Detected	Gm6211	0.992895369	1.13722924	1.07155523	1.2273236
A_52_P2337	1429.5	Detected	1682.5	Detected	863.7	Detected	1419.3	Detected	Depdc7	0.992864638	0.60419727	0.84356612	0.5133432
A_55_P2145	3069.9	Detected	2772.1	Detected	2753.1	Detected	3047.9	Detected	Pde1a	0.992833643	0.89680446	1.09949136	0.993146
A_55_P1959	932.9	Detected	597.1	Detected	602.6	Detected	926.2	Detected	Cep135	0.992818094	0.64594276	1.55116396	1.0092112
A_55_P2008	46713.5	Detected	49221.8	Detected	55777	Detected	46376.7	Detected	Mrpl30	0.992790093	1.19402314	0.94219838	1.1331768
A_55_P2080	306271.8	Detected	295072.4	Detected	291775.5	Detected	304052.4	Detected	Hspa8	0.992753495	0.95266851	1.03043321	0.9888268
A_55_P2043	20301.6	Detected	26928.3	Detected	18939.3	Detected	20152.7	Detected	Mrto4	0.992665603	0.93289691	0.74838367	0.7033233
A_55_P2046	30950.6	Detected	33418.1	Detected	30418.5	Detected	30723.5	Detected	Aarsd1	0.992662501	0.98280809	0.91936705	0.9102403
A_55_P1977	428.3	Detected	371.7	Detected	424.2	Detected	425.1	Detected	Elk4	0.992528601	0.99042727	1.14366425	1.1412429
A_55_P2044	3367.3	Detected	3142.8	Detected	2918.8	Detected	3341.9	Detected	Klc1	0.992456865	0.86680723	1.06335115	0.928726
A_51_P1732	9926.1	Detected	6110.3	Detected	9362.8	Detected	9851.1	Detected	Osbpl2	0.992444162	0.94325062	1.61221217	1.5322979
A_55_P2008	39.7	Detected	46.8	Detected	32.2	Detected	39.4	Not Detect	Rrm2b	0.992443325	0.81108312	0.84188034	0.6880342
A_51_P2378	1208.9	Detected	1323.6	Detected	1300.6	Detected	1199.7	Detected	Tmcc1	0.992389776	1.07585408	0.90639166	0.9826231
A_55_P2000	261.3	Detected	198	Detected	257	Detected	259.3	Detected	Mab21l2	0.992345962	0.98354382	1.30959596	1.2979798
A_55_P2085	334.3	Detected	262.2	Detected	228.3	Detected	331.7	Detected	Mapk8ip3	0.992222555	0.68291953	1.26506484	0.8707094
A_55_P2003	423.4	Detected	348.3	Detected	382.3	Detected	420.1	Detected	Scn3b	0.992205952	0.90292867	1.20614413	1.097617
A_51_P2954	11884.8	Detected	9698.3	Detected	15293.6	Detected	11792	Detected	Nek7	0.992191707	1.28682014	1.2158832	1.5769362
A_51_P2244	6960.6	Detected	7859.9	Detected	8061.4	Detected	6906.2	Detected	9430016H08Rik	0.992184582	1.15814729	0.87866258	1.0256365
A_55_P1964	354.7	Detected	266.8	Detected	335.1	Detected	351.9	Detected	Ppwd1	0.992106005	0.94474204	1.31896552	1.255997
A_52_P1306	214.4	Detected	186.6	Detected	191.3	Detected	212.7	Detected	Olfir549	0.992070896	0.89225746	1.13987138	1.0251876
A_55_P2097	213208.9	Detected	200266.4	Detected	231677.5	Detected	211514	Detected	Rps11	0.992050519	1.08662209	1.05616319	1.1568466
A_66_P1162	3697.9	Detected	2521.6	Detected	3171.8	Detected	3668.5	Detected	Pias1	0.992049542	0.85773006	1.45483027	1.2578522
A_51_P4187	7095.1	Detected	4054.3	Detected	4462.7	Detected	7038.3	Detected	Plekhf1	0.991994475	0.62898338	1.73600868	1.1007326
A_55_P2073	10251.3	Detected	8052.9	Detected	9574.9	Detected	10169	Detected	Hps4	0.99197175	0.93401812	1.2627749	1.1890002
A_55_P2155	251218.9	Detected	239121.4	Detected	280334.2	Detected	249194.1	Detected	Rplp1	0.991940097	1.11589614	1.04212379	1.1723509

A_55_P2046	124	Detected	117.5	Detected	92.7	Detected	123	Detected	Gm6225	0.991935484	0.74758065	1.04680851	0.7889362
A_52_P4202	309	Detected	304.2	Detected	180.2	Detected	306.5	Detected	N4bp1	0.991909385	0.58317152	1.00756082	0.5923734
A_55_P1967	186406.8	Detected	187485.6	Detected	211409.1	Detected	184896.8	Detected	Gm13229	0.991899437	1.13412762	0.98619201	1.1276018
A_55_P2211	1981.2	Detected	1548.4	Detected	1055.8	Detected	1965.1	Detected	5330406M23Rik	0.991873612	0.53290935	1.26911651	0.6818652
A_55_P2117	86	Detected	78	Detected	79	Detected	85.3	Detected	Dnajc14	0.991860465	0.91860465	1.09358974	1.0128205
A_55_P2398	134.8	Detected	114.4	Detected	120.8	Detected	133.7	Detected	Astn2	0.991839763	0.89614243	1.16870629	1.0559441
A_52_P5073	757.7	Detected	686.6	Detected	1069.4	Detected	751.4	Detected	Unc93b1	0.991685364	1.41137653	1.09437809	1.5575299
A_52_P8409	43079.9	Detected	32749.8	Detected	39347.6	Detected	42717.3	Detected	Pgd	0.991583082	0.91336331	1.304353	1.2014608
A_51_P2721	15591.6	Detected	15955	Detected	18649.3	Detected	15459.7	Detected	Ndufa10	0.991540317	1.19611201	0.96895644	1.1688687
A_52_P2835	3555.3	Detected	3577.4	Detected	3346.3	Detected	3525	Detected	Zc3h7b	0.991477512	0.94121452	0.98535249	0.9354
A_51_P4852	8386.9	Detected	7569.1	Detected	8047	Detected	8315.3	Detected	Adipor1	0.991462877	0.95947251	1.09858504	1.0631383
A_52_P6843	102721.3	Detected	109910.1	Detected	93725.6	Detected	101843.9	Detected	Gpx1	0.991458441	0.91242615	0.92661093	0.8527478
A_55_P1978	5399.6	Detected	3266	Detected	5101.3	Detected	5352.9	Detected	Camk2d	0.991351211	0.94475517	1.63897734	1.5619412
A_55_P2014	23	Detected	18.3	Not Detect	19.7	Detected	22.8	Not Detect	Naip7	0.991304348	0.85652174	1.24590164	1.0765027
A_52_P1388	57.1	Detected	127.2	Detected	93.7	Detected	56.6	Detected	Dlgap3	0.991243433	1.64098074	0.44496855	0.7366352
A_55_P1995	44432	Detected	50026	Detected	48610.8	Detected	44036.5	Detected	Odc1	0.991098758	1.09404933	0.88027226	0.9717107
A_52_P5337	23238.4	Detected	24807.5	Detected	27545.6	Detected	23031.2	Detected	Sucla2	0.991083723	1.18534839	0.92839665	1.1103739
A_55_P1966	9566.9	Detected	9673	Detected	9322.6	Detected	9480.8	Detected	Scrn2	0.99100022	0.97446404	0.98013026	0.9637755
A_55_P2015	171875.1	Detected	180072.9	Detected	175992.6	Detected	170323.3	Detected	Rpl22	0.990971351	1.02395635	0.94585748	0.9773408
A_52_P4703	8569.3	Detected	10893.7	Detected	10208.2	Detected	8491.7	Detected	Laptm4b	0.990944418	1.19125249	0.77950559	0.9370737
A_55_P2079	11	Not Detect	26.2	Detected	26.4	Detected	10.9	Not Detect	Fam154b	0.990909091	2.4	0.41603053	1.0076336
A_55_P2057	96820.1	Detected	107573.3	Detected	85127	Detected	95934.2	Detected	Hsp90aa1	0.99085004	0.87922859	0.89180308	0.7913395
A_55_P2167	54.1	Detected	60.1	Detected	70	Detected	53.6	Detected	Olf1184	0.990757856	1.29390018	0.89184692	1.1647255
A_51_P3951	3898.9	Detected	2468.1	Detected	3641.1	Detected	3862.8	Detected	Pex16	0.990740978	0.93387879	1.56509056	1.4752644
A_55_P1978	1780.5	Detected	2130.3	Detected	1681.3	Detected	1763.8	Detected	Mutyh	0.990620612	0.94428531	0.8279585	0.7892316
A_52_P1980	4946.3	Detected	5472.4	Detected	6264.5	Detected	4899.9	Detected	Mrpl44	0.990619251	1.26650223	0.89538411	1.1447445
A_55_P2064	32289.9	Detected	23286.5	Detected	33025.4	Detected	31986.1	Detected	Lama5	0.990591485	1.02277802	1.37358985	1.4182209
A_52_P9823	2669.8	Detected	1922.8	Detected	2840.9	Detected	2644.4	Detected	Hira	0.990486179	1.0640872	1.37528604	1.4774808
A_52_P2027	2087	Detected	1507.8	Detected	1426.6	Detected	2067.1	Detected	Rragc	0.990464782	0.68356493	1.37093779	0.9461467
A_52_P6390	125.6	Detected	70.1	Detected	130.6	Detected	124.4	Detected	Strbp	0.99044586	1.03980892	1.7746077	1.8630528
A_55_P2290	83.7	Detected	112.6	Detected	195.8	Detected	82.9	Detected	Rorb	0.990442055	2.33930705	0.73623446	1.7388988
A_52_P5730	38035	Detected	45103.4	Detected	38508.8	Detected	37671.2	Detected	Cand1	0.990435126	1.01245695	0.83521863	0.8537893
A_52_P2430	2049.7	Detected	2043.2	Detected	1597	Detected	2030	Detected	Nufip2	0.990388837	0.77913841	0.99353955	0.7816171
A_55_P2276	51.9	Detected	44.8	Detected	34.3	Detected	51.4	Not Detect	4930474N09Rik	0.990366089	0.66088632	1.14732143	0.765625
A_55_P2185	193706.5	Detected	169113.5	Detected	213287.6	Detected	191836.1	Detected	Gm11810	0.990344155	1.10108644	1.13436302	1.2612098
A_55_P2020	599.7	Detected	623.2	Detected	576.6	Detected	593.9	Detected	BC089491	0.990328498	0.96148074	0.9529846	0.9252246
A_51_P4145	472.9	Detected	373	Detected	160.5	Detected	468.3	Detected	Casp7	0.990272785	0.33939522	1.25549598	0.4302949
A_55_P2003	20570.4	Detected	19486	Detected	17148	Detected	20367.1	Detected	Jkamp	0.990116867	0.83362501	1.04521708	0.8800164
A_55_P2023	30.3	Detected	26	Detected	37	Detected	30	Not Detect	Txn2	0.99009901	1.22112211	1.15384615	1.4230769
A_51_P4648	24134.4	Detected	19291.5	Detected	27636	Detected	23894.6	Detected	Hist1h1e	0.990063975	1.14508751	1.23860768	1.432548

A_55_P2039	11801.8	Detected	10420.9	Detected	10650.3	Detected	11684.2	Detected	Ilkap	0.990035418	0.90243014	1.12122753	1.0220135
A_52_P6574	59821.1	Detected	55171.8	Detected	59487.3	Detected	59220.4	Detected	Psmc5	0.989958393	0.99442003	1.07338169	1.0782193
A_55_P1956	297493.6	Detected	290020.2	Detected	310693.9	Detected	294498	Detected	Rpl27	0.98993054	1.04437171	1.01543961	1.0712837
A_52_P4063	5608.6	Detected	4881.7	Detected	4698.5	Detected	5552.1	Detected	Med14	0.989926185	0.83773134	1.13732921	0.9624721
A_55_P2067	2020.9	Detected	1441	Detected	2243.9	Detected	2000.5	Detected	Usp21	0.989905488	1.11034688	1.38827203	1.5571825
A_55_P2159	663.3	Detected	1554	Detected	613	Detected	656.6	Detected	Zfp52	0.98989899	0.92416704	0.42252252	0.3944659
A_55_P2419	807	Detected	704.4	Detected	960.2	Detected	798.8	Detected	4932412D23Rik	0.98983891	1.18983891	1.13401476	1.3631459
A_51_P3213	2243.7	Detected	1938.7	Detected	2146.7	Detected	2220.8	Detected	Sptlc2	0.989793644	0.95676784	1.14550988	1.1072884
A_55_P1985	12094.4	Detected	9978.8	Detected	10831	Detected	11970.2	Detected	Thumpd1	0.989730784	0.89553843	1.19956307	1.0854011
A_51_P2540	7368.7	Detected	6412.8	Detected	8309.4	Detected	7292.9	Detected	Traip	0.989713247	1.1276616	1.13724114	1.2957522
A_55_P1997	48.6	Detected	34.6	Detected	49.9	Detected	48.1	Not Detect	Usp35	0.989711934	1.02674897	1.39017341	1.4421965
A_52_P2131	5414.9	Detected	5036.9	Detected	3565.4	Detected	5359	Detected	Cul4b	0.989676633	0.65844245	1.06394806	0.707856
A_52_P6573	10411.7	Detected	8133.6	Detected	11466.4	Detected	10304	Detected	Tmem160	0.989655868	1.1012995	1.26684371	1.4097571
A_55_P2093	67.5	Detected	42.2	Detected	34.2	Detected	66.8	Detected	AL117821	0.98962963	0.50666667	1.58293839	0.8104265
A_55_P1978	416993.8	Detected	392058.5	Detected	433294.1	Detected	412666.7	Detected	Rpl35	0.989623107	1.03909003	1.05256409	1.1051772
A_51_P3172	33282.6	Detected	33300.3	Detected	35388.7	Detected	32936.6	Detected	Bod1	0.989604178	1.06327931	0.98907818	1.0627141
A_55_P2107	6567.8	Detected	6423.1	Detected	6577.1	Detected	6498.9	Detected	Yy1	0.989509425	1.001416	1.01180116	1.023976
A_55_P2124	38.1	Detected	31.1	Detected	5.4	Not Detect	37.7	Not Detect	Gm10436	0.989501312	0.14173228	1.21221865	0.1736334
A_55_P2024	2856.7	Detected	3103.9	Detected	2807.8	Detected	2826.7	Detected	Tmem33	0.989498372	0.98288235	0.910693	0.9046039
A_51_P3492	131.9	Detected	167	Detected	127.8	Detected	130.5	Detected	Nckap5l	0.989385898	0.96891585	0.78143713	0.7652695
A_55_P2015	6283.1	Detected	5131.5	Detected	4486.4	Detected	6216.4	Detected	Zfp46	0.989384221	0.71404243	1.21141966	0.8742863
A_51_P4362	9247.1	Detected	8107.2	Detected	10988.9	Detected	9148.2	Detected	Gart	0.989304755	1.18836176	1.12840438	1.3554495
A_55_P2238	241.9	Detected	203	Detected	197.5	Detected	239.3	Detected	A830054O07Rik	0.989251757	0.81645308	1.17881773	0.9729064
A_55_P2422	9.3	Not Detect	16.7	Detected	3.3	Not Detect	9.2	Not Detect	E230024E03Rik	0.989247312	0.35483871	0.5508982	0.1976048
A_55_P2103	103544.8	Detected	94057.5	Detected	96569	Detected	102431.4	Detected	Psmc2	0.989247166	0.93263013	1.08902958	1.0267018
A_52_P1100	1327.1	Detected	1183.4	Detected	1273.2	Detected	1312.8	Detected	Rqcd1	0.989224625	0.95938513	1.10934595	1.075883
A_51_P4284	9.2	Not Detect	7.2	Not Detect	19.6	Detected	9.1	Not Detect	Fgb	0.989130435	2.13043478	1.26388889	2.7222222
A_55_P2177	36.8	Detected	41.7	Detected	39.3	Detected	36.4	Not Detect	Nkx3-2	0.989130435	1.06793478	0.87290168	0.942446
A_55_P1994	9036.8	Detected	6994.2	Detected	9306.2	Detected	8937.5	Detected	Senp2	0.989011597	1.02981144	1.2778445	1.3305596
A_55_P2014	1287.8	Detected	1181.1	Detected	1432.6	Detected	1273.6	Detected	Scyl2	0.988973443	1.11243982	1.07831682	1.2129371
A_55_P2074	606.9	Detected	431	Detected	514	Detected	600.1	Detected	Haa0	0.988795518	0.84692701	1.39234339	1.1925754
A_55_P2060	80.3	Detected	73.8	Detected	63.4	Detected	79.4	Detected	Stk11ip	0.98879203	0.78953923	1.07588076	0.8590786
A_52_P6153	2623	Detected	2992.4	Detected	2859.1	Detected	2593.3	Detected	Mrps27	0.988677087	1.09001144	0.86662879	0.9554538
A_55_P1965	2763.7	Detected	3340.9	Detected	3621.4	Detected	2732.4	Detected	Fbxl5	0.988674603	1.31034483	0.81786345	1.0839594
A_55_P2153	5524.6	Detected	4008.8	Detected	4623	Detected	5462	Detected	Irak1	0.988668863	0.83680266	1.36250249	1.1532129
A_52_P3024	1658	Detected	1585.4	Detected	2069.2	Detected	1639.2	Detected	Arl5a	0.988661037	1.24800965	1.03393465	1.3051596
A_52_P4446	3700.5	Detected	3903.5	Detected	3906.8	Detected	3658.4	Detected	Zfp277	0.988623159	1.05574922	0.9372102	1.0008454
A_52_P2926	11610.3	Detected	12172.9	Detected	13297.7	Detected	11477.7	Detected	Exosc4	0.988579106	1.14533647	0.94288953	1.092402
A_55_P2100	52.3	Detected	43.2	Detected	41.4	Detected	51.7	Detected	Defb30	0.988527725	0.791587	1.19675926	0.9583333
A_51_P4078	3474.3	Detected	2860.4	Detected	2606.1	Detected	3434	Detected	Fam193b	0.988400541	0.75010794	1.20053139	0.9110964

A_52_P3411	275	Detected	180.3	Detected	267.8	Detected	271.8	Detected	H13	0.988363636	0.97381818	1.50748752	1.4853023
A_55_P2185	25132.5	Detected	23500.4	Detected	24140.5	Detected	24838.8	Detected	Copa	0.988313936	0.9605292	1.05695222	1.0272378
A_55_P2073	77	Detected	68	Detected	56.7	Detected	76.1	Detected	Ocm	0.988311688	0.73636364	1.11911765	0.8338235
A_52_P3773	1632.5	Detected	1529.1	Detected	1814.4	Detected	1613.3	Detected	Plekhb2	0.988238897	1.1114242	1.05506507	1.1865803
A_55_P2004	17	Detected	5.1	Not Detect	16	Detected	16.8	Not Detect	Xkrx	0.988235294	0.94117647	3.29411765	3.1372549
A_55_P2074	109.8	Detected	85.2	Detected	134.6	Detected	108.5	Detected	Kcp	0.988160291	1.22586521	1.27347418	1.5798122
A_55_P2087	4485.4	Detected	5102.9	Detected	2577.3	Detected	4432.2	Detected	Mapre3	0.988139296	0.57459758	0.86856493	0.5050657
A_51_P1752	1787.3	Detected	1627	Detected	1379	Detected	1766.1	Detected	Rps6kb1	0.988138533	0.77155486	1.08549478	0.8475722
A_55_P2083	21576.2	Detected	18713.7	Detected	30934.1	Detected	21320	Detected	Sac3d1	0.988125805	1.433714	1.1392723	1.6530189
A_51_P1160	452.9	Detected	488.1	Detected	399.1	Detected	447.5	Detected	Hdac2	0.988076838	0.88120998	0.91682032	0.8176603
A_55_P2340	2144.8	Detected	1162.1	Detected	1915.1	Detected	2119.2	Detected	BC062258	0.988064155	0.89290377	1.82359522	1.6479649
A_51_P3338	3618.7	Detected	3537.8	Detected	802.9	Detected	3575.4	Detected	Ndn12	0.988034377	0.22187526	1.01062807	0.226949
A_55_P2174	599.2	Detected	493.3	Detected	538.9	Detected	592	Detected	Stx17	0.987983979	0.89936582	1.20008109	1.0924387
A_55_P2109	158389.3	Detected	145168.2	Detected	190915.1	Detected	156476.1	Detected	Rps3	0.987920901	1.20535352	1.07789516	1.3151303
A_55_P2211	16.5	Detected	17.9	Detected	21.4	Detected	16.3	Not Detect	C330022C24Rik	0.987878788	1.2969697	0.91061453	1.1955307
A_55_P2057	3085.1	Detected	4293.4	Detected	3547.9	Detected	3047.7	Detected	Pex5	0.987877216	1.15001134	0.70985699	0.8263614
A_55_P2063	107.2	Detected	101.5	Detected	97.4	Detected	105.9	Detected	Gm2568	0.987873134	0.90858209	1.04334975	0.9596059
A_52_P1234	5674.2	Detected	6477.1	Detected	5494.2	Detected	5605.1	Detected	Dnaaf2	0.987822072	0.96827747	0.86537185	0.84825
A_52_P6387	279	Detected	259.5	Detected	270.7	Detected	275.6	Detected	Mipol1	0.98781362	0.9702509	1.06204239	1.0431599
A_51_P2111	106.5	Detected	86.8	Detected	89.9	Detected	105.2	Detected	1110037F02Rik	0.987793427	0.84413146	1.21198157	1.0357143
A_55_P1954	183379.7	Detected	228848.8	Detected	178005.5	Detected	181141.2	Detected	Npm1	0.987793087	0.97069359	0.79153223	0.7778302
A_55_P2153	5781.5	Detected	6366.5	Detected	5756.3	Detected	5710.9	Detected	Fgr1op	0.987788636	0.99564127	0.89702348	0.9041546
A_52_P6090	11626.5	Detected	10901.5	Detected	13714.6	Detected	11484.2	Detected	Cenpw	0.987760719	1.17959833	1.05345136	1.2580471
A_51_P3219	15838.8	Detected	9766.8	Detected	16583.7	Detected	15643.7	Detected	Ssna1	0.987682148	1.04703008	1.60172216	1.6979666
A_55_P2169	153.7	Detected	176.6	Detected	165.7	Detected	151.8	Detected	Ccdc23	0.987638256	1.07807417	0.85956965	0.9382786
A_55_P2021	105.1	Detected	98.2	Detected	102	Detected	103.8	Detected	Crlf3	0.987630828	0.97050428	1.05702648	1.0386965
A_55_P2096	1810.1	Detected	1780.4	Detected	1637.2	Detected	1787.4	Detected	Icmt	0.987459256	0.90448042	1.0039317	0.9195686
A_51_P5134	2049.8	Detected	2232.9	Detected	2323.2	Detected	2023.9	Detected	Pogz	0.987364621	1.13337887	0.90639975	1.0404407
A_51_P4109	8980.2	Detected	6071.6	Detected	9463.2	Detected	8866.7	Detected	Tor4a	0.987361083	1.05378499	1.46035641	1.5586007
A_55_P2005	281730.5	Detected	271916.7	Detected	268042.9	Detected	278157.5	Detected	Gm5621	0.987317667	0.95141598	1.02295115	0.9857537
A_55_P2186	3971.2	Detected	4051.4	Detected	4898	Detected	3920.7	Detected	Hars2	0.987283441	1.23338034	0.96773955	1.2089648
A_66_P1106	322	Detected	269.6	Detected	308.2	Detected	317.9	Detected	Odf3l2	0.987267081	0.95714286	1.1791543	1.1431751
A_51_P4363	5865.9	Detected	5065.6	Detected	5819.1	Detected	5791.1	Detected	Qrich1	0.987248334	0.99202168	1.14322094	1.1487484
A_51_P4657	44885.3	Detected	47425.2	Detected	49140.7	Detected	44311.5	Detected	Ruvbl1	0.987216305	1.09480609	0.93434503	1.0361728
A_52_P9012	12690.6	Detected	13969.7	Detected	13367.9	Detected	12528.1	Detected	Prep	0.987195247	1.05337021	0.89680523	0.9569211
A_55_P2061	311.3	Detected	445.1	Detected	217.5	Detected	307.3	Detected	Rhobtb3	0.987150659	0.69868294	0.69040665	0.4886542
A_55_P2173	5210.2	Detected	5061.4	Detected	6863	Detected	5142.8	Detected	Ebpl	0.987063836	1.31722391	1.01608251	1.3559489
A_55_P2169	168238.6	Detected	152481.5	Detected	181385.8	Detected	166047.2	Detected	Rps17	0.986974452	1.07814616	1.0889662	1.1895594
A_55_P2130	6345.2	Detected	6840.8	Detected	4443.9	Detected	6262	Detected	Parp10	0.986887726	0.70035617	0.91539001	0.649617
A_55_P2121	30.5	Detected	32.6	Detected	147.9	Detected	30.1	Not Detect	Nuggc	0.986885246	4.84918033	0.92331288	4.5368098

A_55_P2164	5291.8	Detected	5407	Detected	4315.2	Detected	5221.9	Detected	Sfpq	0.986790884	0.81545032	0.9657666	0.7980766
A_51_P2245	6515.4	Detected	5608.9	Detected	5023.5	Detected	6429	Detected	Jade1	0.98673911	0.77101943	1.14621405	0.8956302
A_52_P5839	5869.8	Detected	5477.4	Detected	5334.7	Detected	5791.7	Detected	Lrpap1	0.986694606	0.90883846	1.05738124	0.9739475
A_55_P2085	59.9	Detected	45.7	Detected	35.2	Detected	59.1	Detected	Gm4461	0.986644407	0.58764608	1.29321663	0.7702407
A_66_P1203	14.9	Detected	13.9	Not Detect	15.8	Not Detect	14.7	Not Detect	Apol10b	0.986577181	1.06040268	1.05755396	1.1366906
A_55_P2083	9005	Detected	8374.8	Detected	10360.5	Detected	8883.4	Detected	Gm6917	0.986496391	1.15052748	1.06072981	1.2371042
A_51_P1480	8227.5	Detected	8250.1	Detected	6544.7	Detected	8116.2	Detected	Lpgat1	0.986472197	0.79546642	0.98376989	0.7932874
A_55_P2070	3432.4	Detected	2573.9	Detected	2846.4	Detected	3385.9	Detected	Ino80d	0.986452628	0.82927398	1.31547457	1.1058705
A_51_P2655	3722.9	Detected	3179.3	Detected	2965.1	Detected	3672.4	Detected	Tmem57	0.986435306	0.796449	1.15509703	0.9326267
A_51_P4765	1730.7	Detected	1209.7	Detected	1008.8	Detected	1707.2	Detected	Zbtb38	0.986421679	0.58288554	1.41125899	0.8339258
A_55_P2131	88.3	Detected	76.9	Detected	86.7	Detected	87.1	Detected	Tamm41	0.986409966	0.98187995	1.13263979	1.1274382
A_55_P2126	58.8	Detected	59	Detected	99	Detected	58	Detected	Ssmem1	0.986394558	1.68367347	0.98305085	1.6779661
A_51_P4558	23316.1	Detected	19374.1	Detected	17085.3	Detected	22997.4	Detected	Fam64a	0.986331333	0.73276834	1.18701772	0.8818629
A_51_P1008	14032	Detected	11292.5	Detected	16501.3	Detected	13840	Detected	Prdx3	0.98631699	1.17597634	1.22559221	1.4612619
A_52_P3848	101.9	Detected	141	Detected	149.4	Detected	100.5	Detected	Taok2	0.98626104	1.46614328	0.71276596	1.0595745
A_55_P2179	16722	Detected	15644.5	Detected	21380	Detected	16492.2	Detected	Ostf1	0.986257625	1.2785552	1.05418518	1.3666145
A_55_P2077	834	Detected	368.1	Detected	830	Detected	822.5	Detected	Ahdc1	0.986211031	0.99520384	2.23444716	2.2548221
A_52_P3629	28.9	Detected	32.2	Detected	11.8	Not Detect	28.5	Not Detect	Pfkfb3	0.98615917	0.4083045	0.88509317	0.3664596
A_66_P1391	433237.4	Detected	442760.9	Detected	460859.9	Detected	427172.8	Detected	Rpl8	0.98600167	1.06375835	0.96479341	1.0408776
A_55_P2041	19609.1	Detected	18425.7	Detected	21476.3	Detected	19334.4	Detected	Csnk1g2	0.985991198	1.0952211	1.04931699	1.1655622
A_55_P2103	1983.6	Detected	1963.9	Detected	1474.5	Detected	1955.8	Detected	Irf2bpl	0.985985078	0.74334543	0.99587555	0.750802
A_55_P2021	484	Detected	528.7	Detected	499.3	Detected	477.2	Detected	Zfp248	0.985950413	1.03161157	0.90259126	0.9443919
A_66_P1115	134.5	Detected	118.2	Detected	100.6	Detected	132.6	Detected	5430431A17Rik	0.985873606	0.74795539	1.12182741	0.8510998
A_55_P2022	3273.4	Detected	2820.2	Detected	2490.9	Detected	3227.1	Detected	Lbh	0.985855685	0.76095192	1.14428055	0.8832352
A_55_P2061	19916.3	Detected	11488.1	Detected	25874.9	Detected	19634.2	Detected	Wbp5	0.985835722	1.29918208	1.70909028	2.252322
A_52_P5190	14.1	Not Detect	18.8	Not Detect	22.2	Detected	13.9	Not Detect	Slc36a3	0.985815603	1.57446809	0.7393617	1.1808511
A_66_P1115	1346	Detected	1084.3	Detected	1262.3	Detected	1326.9	Detected	Fam122b	0.985809807	0.93781575	1.22373882	1.1641612
A_65_P1567	4481.7	Detected	4277	Detected	4011.6	Detected	4418.1	Detected	Ipo9	0.985808956	0.89510677	1.03299041	0.9379472
A_55_P1979	97.9	Detected	161.5	Detected	74.1	Detected	96.5	Detected	LOC101055842	0.985699694	0.75689479	0.59752322	0.4588235
A_55_P2092	5850.3	Detected	4843.7	Detected	5313.2	Detected	5766.3	Detected	Med1	0.985641762	0.90819274	1.19047422	1.09693
A_55_P2012	79072.4	Detected	73777.9	Detected	82128.2	Detected	77936.8	Detected	Ndufb11	0.985638478	1.0386456	1.05637054	1.1131816
A_55_P2186	13.9	Detected	21.7	Detected	12.3	Not Detect	13.7	Not Detect	2300003K06Rik	0.985611511	0.88489209	0.63133641	0.5668203
A_55_P2104	1430.2	Detected	1291.9	Detected	1138.9	Detected	1409.6	Detected	Vma21	0.98559642	0.79632219	1.09110612	0.8815698
A_55_P2015	20.8	Detected	19.8	Detected	14.6	Not Detect	20.5	Not Detect	Auts2	0.985576923	0.70192308	1.03535354	0.7373737
A_52_P6476	990.5	Detected	994	Detected	910.6	Detected	976.2	Detected	Gen1	0.985562847	0.91933367	0.98209256	0.9160966
A_55_P2158	44413.9	Detected	41799.9	Detected	46437.6	Detected	43769.4	Detected	Glr3	0.985488777	1.04556456	1.04711734	1.11095
A_55_P2047	2077.7	Detected	1721.1	Detected	1728.6	Detected	2047.5	Detected	Ccp110	0.985464697	0.83197767	1.18964616	1.0043577
A_51_P4919	4174.5	Detected	2538.8	Detected	4606.2	Detected	4113.7	Detected	Rassf6	0.985435381	1.10341358	1.62033244	1.8143217
A_51_P5097	50293.9	Detected	31144.3	Detected	42587.4	Detected	49560.7	Detected	Actr1a	0.985421691	0.84677068	1.5913249	1.367422
A_51_P3733	8487.5	Detected	9955.4	Detected	10096	Detected	8363.4	Detected	Med4	0.985378498	1.18951399	0.84008679	1.014123

A_52_P3542	2178.7	Detected	2156.2	Detected	1922.6	Detected	2146.7	Detected	2310057M21Rik	0.985312342	0.88245284	0.9955941	0.8916613
A_55_P2021	27.2	Detected	27.7	Detected	5.1	Not Detect	26.8	Not Detect	Tigd4	0.985294118	0.1875	0.96750903	0.1841155
A_55_P1985	805.2	Detected	629.9	Detected	592.4	Detected	793.2	Detected	Krtap5-3	0.98509687	0.73571783	1.2592475	0.9404667
A_51_P3322	104343.6	Detected	57908.5	Detected	76428.5	Detected	102784.1	Detected	Cst3	0.985054186	0.73246946	1.77493978	1.3198149
A_51_P2986	4097.8	Detected	3034.9	Detected	3661.1	Detected	4035.9	Detected	Scaf4	0.984894334	0.89343062	1.32982965	1.206333
A_55_P2177	152299.6	Detected	107305.4	Detected	165945	Detected	149996.4	Detected	Sod1	0.984877176	1.08959577	1.39784577	1.5464739
A_51_P4243	919.8	Detected	1102.7	Detected	705.7	Detected	905.8	Detected	Nqo1	0.9847793	0.76723201	0.82143829	0.6399746
A_55_P2088	4209.9	Detected	5619.7	Detected	4262.5	Detected	4145.8	Detected	Spata5	0.984773985	1.01249436	0.73772621	0.7584924
A_55_P2146	45.9	Detected	40.1	Detected	40.2	Detected	45.2	Not Detect	Syngap1	0.984749455	0.87581699	1.12718204	1.0024938
A_51_P4803	26	Detected	17.6	Not Detect	6.4	Not Detect	25.6	Not Detect	Usp24	0.984615385	0.24615385	1.45454545	0.3636364
A_52_P4864	615.9	Detected	432.6	Detected	572.3	Detected	606.4	Detected	R3hcc1l	0.984575418	0.92920929	1.40175682	1.3229311
A_55_P1960	32.4	Detected	20.8	Detected	19.4	Detected	31.9	Not Detect	Gm608	0.984567901	0.59876543	1.53365385	0.9326923
A_55_P2124	1042.6	Detected	795.7	Detected	872.1	Detected	1026.5	Detected	Ttc7	0.984557836	0.83646653	1.29005907	1.0960161
A_55_P2121	1195.9	Detected	1006	Detected	1419.2	Detected	1177.4	Detected	Hist1h3i	0.984530479	1.1867213	1.17037773	1.4107356
A_55_P1967	35340	Detected	34841.7	Detected	38542.6	Detected	34788.3	Detected	Chtop	0.984388795	1.09062252	0.99846735	1.1062204
A_52_P4727	14183.6	Detected	15397.9	Detected	13820.4	Detected	13961.8	Detected	Ecd	0.984362221	0.97439296	0.90673404	0.897551
A_55_P2017	25.5	Detected	597.4	Detected	3.8	Not Detect	25.1	Not Detect	Myb	0.984313725	0.14901961	0.0420154	0.0063609
A_52_P1209	2428.8	Detected	2489	Detected	2277.7	Detected	2390.7	Detected	Metap1	0.984313241	0.93778821	0.96050623	0.9151065
A_55_P1973	1104.3	Detected	1113	Detected	1157.9	Detected	1086.9	Detected	Socs4	0.984243412	1.04853754	0.97654987	1.0403414
A_55_P2005	12726.8	Detected	9455.7	Detected	8898.1	Detected	12525.9	Detected	Dennd5a	0.984214414	0.6991624	1.32469304	0.9410303
A_51_P4728	19	Detected	12.3	Not Detect	3.7	Not Detect	18.7	Not Detect	Oas3	0.984210526	0.19473684	1.5203252	0.300813
A_66_P1052	235567.9	Detected	239565.4	Detected	249227.7	Detected	231830.4	Detected	Rplp0	0.984134086	1.05798668	0.96771237	1.0403326
A_51_P2269	3369.7	Detected	2640.2	Detected	2953.6	Detected	3316.1	Detected	Tubgcp2	0.984093539	0.8765172	1.25600333	1.1187031
A_51_P4192	44	Detected	40	Detected	33.5	Detected	43.3	Not Detect	5830416P10Rik	0.984090909	0.76136364	1.0825	0.8375
A_55_P2014	1402.7	Detected	1312.8	Detected	1091.2	Detected	1380.3	Detected	Gm8457	0.984030798	0.77792828	1.05141682	0.8312005
A_55_P2148	3111.8	Detected	3402.4	Detected	2077	Detected	3062.1	Detected	2610005L07Rik	0.984028537	0.66745935	0.89998237	0.6104514
A_55_P2403	124.8	Detected	138.2	Detected	137.8	Detected	122.8	Detected	Ssh2	0.983974359	1.10416667	0.88856729	0.9971056
A_51_P4923	1559.4	Detected	1570.4	Detected	1588.4	Detected	1534.4	Detected	Tmem174	0.983968193	1.0185969	0.9770759	1.011462
A_55_P2115	40314.3	Detected	46377.8	Detected	47131.5	Detected	39666.9	Detected	Psmb5	0.983941182	1.16910129	0.8552993	1.0162513
A_66_P1370	14612.2	Detected	12891.4	Detected	19111	Detected	14374.5	Detected	Men1	0.983732771	1.30787972	1.11504569	1.4824612
A_55_P2184	344.2	Detected	336.4	Detected	324	Detected	338.6	Detected	Hint1	0.983730389	0.94131319	1.00653983	0.9631391
A_55_P2415	24.5	Detected	36.8	Detected	31.6	Detected	24.1	Not Detect	4930592A05Rik	0.983673469	1.28979592	0.6548913	0.8586957
A_51_P4078	1154	Detected	1053.9	Detected	303.8	Detected	1135	Detected	1700020D05Rik	0.983535529	0.26325823	1.07695227	0.2882626
A_55_P2011	84.8	Detected	51.6	Detected	27.7	Detected	83.4	Detected	BC061237	0.983490566	0.32665094	1.61627907	0.5368217
A_55_P2021	695.8	Detected	434	Detected	657.7	Detected	684.3	Detected	Abca2	0.983472262	0.94524289	1.57672811	1.5154378
A_52_P2180	1394.7	Detected	1743.3	Detected	1690.3	Detected	1371.6	Detected	Wdr36	0.983437298	1.21194522	0.78678369	0.9695979
A_55_P1992	24.1	Detected	122.4	Detected	21.8	Detected	23.7	Not Detect	Serpig1	0.98340249	0.90456432	0.19362745	0.1781046
A_66_P1215	1529.9	Detected	1050.1	Detected	1504.5	Detected	1504.5	Detected	Gm7120	0.983397608	0.98339761	1.43272069	1.4327207
A_55_P1993	2508.1	Detected	2466.9	Detected	2278.7	Detected	2465.8	Detected	Psip1	0.983134644	0.90853634	0.9995541	0.9237099
A_55_P2130	153485.5	Detected	174934.6	Detected	165067.1	Detected	150892.3	Detected	Nhp2	0.983104593	1.07545729	0.86256407	0.9435932

A_55_P2119	206952.4	Detected	200845.8	Detected	244095.7	Detected	203451.2	Detected	Eef1g	0.9830821	1.1794775	1.01297214	1.2153388
A_51_P4279	53.1	Detected	2217.9	Detected	69.6	Detected	52.2	Detected	Lmod3	0.983050847	1.31073446	0.02353578	0.031381
A_52_P3254	1185.6	Detected	1006.6	Detected	1053.4	Detected	1165.5	Detected	Trim16	0.983046559	0.88849528	1.15785814	1.0464931
A_52_P6123	23364.6	Detected	14193.1	Detected	20303.1	Detected	22968	Detected	Cdc25b	0.983025603	0.86896844	1.61825112	1.4304909
A_55_P2050	14422	Detected	7848.2	Detected	9729.2	Detected	14176.9	Detected	Plekhhg2	0.983005131	0.67460824	1.80638873	1.2396728
A_66_P1274	11278.2	Detected	8615.7	Detected	11301.8	Detected	11086.4	Detected	Abcf3	0.98299374	1.00209253	1.28676718	1.3117681
A_55_P2184	663.7	Detected	589.8	Detected	634	Detected	652.4	Detected	Lbr	0.982974235	0.95525087	1.10613767	1.0749407
A_55_P1953	70.3	Detected	76	Detected	55.4	Detected	69.1	Detected	Cdkl3	0.982930299	0.78805121	0.90921053	0.7289474
A_55_P2108	181.6	Detected	180	Detected	157.7	Detected	178.5	Detected	Sp100	0.982929515	0.86839207	0.99166667	0.8761111
A_55_P1960	34.9	Detected	29.2	Detected	16.1	Not Detect	34.3	Not Detect	Lrrc23	0.982808023	0.46131805	1.17465753	0.5513699
A_55_P2121	3196.4	Detected	1917.6	Detected	1850.1	Detected	3141.4	Detected	Cdk5	0.982793142	0.57880741	1.63819358	0.9647997
A_55_P1970	374927.6	Detected	343583.8	Detected	343245.2	Detected	368473.5	Detected	Actg1	0.982785743	0.91549729	1.07244142	0.9990145
A_55_P2014	46.3	Detected	50.4	Detected	38.5	Detected	45.5	Not Detect	Cntln	0.982721382	0.83153348	0.90277778	0.7638889
A_55_P2149	351711.8	Detected	350623.5	Detected	371695.9	Detected	345626.7	Detected	Rpl32	0.982698619	1.05681953	0.98574882	1.0600998
A_55_P2259	501.9	Detected	399.3	Detected	342.7	Detected	493.2	Detected	D130012P04Rik	0.98266587	0.68280534	1.23516153	0.8582519
A_52_P3293	581.1	Detected	711.7	Detected	709.7	Detected	571	Detected	Chka	0.982619171	1.22130442	0.80230434	0.9971898
A_55_P2003	369823.9	Detected	395113.5	Detected	393370.5	Detected	363389	Detected	Gm13215	0.982600097	1.06366976	0.91970788	0.9955886
A_55_P2113	63	Detected	45.3	Detected	50.5	Detected	61.9	Detected	Gm9776	0.982539683	0.8015873	1.36644592	1.1147903
A_55_P2177	4269.5	Detected	3706.9	Detected	5038.6	Detected	4194.5	Detected	Lepr	0.98243354	1.18013819	1.13153848	1.359249
A_51_P2927	17736.2	Detected	15915	Detected	19284.9	Detected	17424.3	Detected	Yaf2	0.982414497	1.08731859	1.09483506	1.2117436
A_52_P3186	454.9	Detected	432.8	Detected	382.8	Detected	446.9	Detected	Saa1	0.982413717	0.84150363	1.03257856	0.8844732
A_55_P2143	10430.9	Detected	9339.8	Detected	12881.9	Detected	10246.9	Detected	Men1	0.982360103	1.23497493	1.09712199	1.3792479
A_55_P2129	116251.9	Detected	92924.6	Detected	127579.5	Detected	114195	Detected	Calm2	0.982306526	1.09744013	1.22889956	1.3729357
A_51_P3900	1811.9	Detected	1743.8	Detected	2083.5	Detected	1779.8	Detected	Styx	0.98228379	1.1498979	1.02064457	1.1948045
A_66_P1254	1154.3	Detected	1022	Detected	1152.2	Detected	1133.8	Detected	Chm	0.982240319	0.99818072	1.10939335	1.1273973
A_55_P1957	8039.2	Detected	6694.9	Detected	6309.1	Detected	7896	Detected	Mtfr11	0.982187282	0.78479202	1.17940522	0.942374
A_55_P1953	34095.4	Detected	41519.4	Detected	41412.3	Detected	33486.2	Detected	Pdhh	0.982132487	1.2146008	0.80651936	0.9974205
A_55_P2112	15514.8	Detected	13049.8	Detected	16695.1	Detected	15237	Detected	Smad4	0.982094516	1.07607575	1.1676041	1.2793376
A_55_P1998	991	Detected	785.2	Detected	935.3	Detected	973.2	Detected	Deaf1	0.982038345	0.94379415	1.23942944	1.1911615
A_55_P1988	4992.8	Detected	4225.1	Detected	4483	Detected	4902.9	Detected	Mkks	0.981994071	0.89789297	1.16042224	1.06104
A_52_P6348	1265.6	Detected	1206.8	Detected	1191.8	Detected	1242.8	Detected	Nap114	0.981984829	0.94168774	1.02983096	0.9875704
A_55_P2027	16.6	Detected	18.8	Detected	10.9	Not Detect	16.3	Not Detect	Gm11735	0.981927711	0.65662651	0.86702128	0.5797872
A_51_P2331	3830.2	Detected	3013.3	Detected	1866.3	Detected	3760.9	Detected	Lysmd2	0.98190695	0.48725915	1.24810009	0.6193542
A_51_P2260	38193.8	Detected	32819.5	Detected	48783.2	Detected	37501	Detected	Sra1	0.98186093	1.27725442	1.14264386	1.486409
A_55_P2143	277575.3	Detected	240529.8	Detected	258187.2	Detected	272526.7	Detected	Ubc	0.981811782	0.93015193	1.13302676	1.0734104
A_55_P2040	38.4	Detected	27.1	Detected	31.4	Detected	37.7	Not Detect	Btbd9	0.981770833	0.81770833	1.39114391	1.1586716
A_55_P1996	27.4	Detected	28.1	Detected	34	Detected	26.9	Not Detect	Gm2366	0.981751825	1.24087591	0.95729537	1.2099644
A_51_P3229	12702.1	Detected	14981.4	Detected	13065.3	Detected	12470.1	Detected	Mrpl22	0.981735304	1.0285937	0.83237214	0.8721014
A_55_P2179	21.9	Detected	15	Detected	12.5	Not Detect	21.5	Not Detect	Defb33	0.98173516	0.57077626	1.43333333	0.8333333
A_55_P2035	7509.6	Detected	9096.9	Detected	11319.1	Detected	7372.3	Detected	Ripk4	0.981716736	1.50728401	0.81041893	1.244281

A_55_P2105	10.9 Not Detect	20.9 Detected	13.2 Not Detect	10.7 Not Detect	Adrb3	0.981651376	1.21100917	0.51196172	0.6315789
A_52_P2753	6312.8 Detected	4627.8 Detected	5344.1 Detected	6196.5 Detected	Osbp17	0.981577113	0.84654987	1.33897316	1.154782
A_55_P1990	504.6 Detected	474.6 Detected	446.6 Detected	495.3 Detected	4932412D23Rik	0.98156956	0.88505747	1.04361568	0.9410029
A_51_P4341	51533 Detected	38445.3 Detected	41227.3 Detected	50582.7 Detected	Anapc4	0.981559389	0.80001746	1.31570569	1.0723626
A_55_P2000	634.2 Detected	603.2 Detected	465.6 Detected	622.5 Detected	Dusp7	0.981551561	0.73415326	1.03199602	0.7718833
A_55_P2341	276 Detected	242.6 Detected	288.9 Detected	270.9 Detected	Crebzf	0.981521739	1.04673913	1.11665293	1.1908491
A_55_P2109	5089.4 Detected	3826.8 Detected	4128.7 Detected	4994.7 Detected	Serinc3	0.981392699	0.81123512	1.30518971	1.078891
A_51_P2286	27134.8 Detected	19329.8 Detected	5358.5 Detected	26626.1 Detected	Isyna1	0.981252856	0.19747704	1.37746381	0.2772145
A_55_P2052	8033.9 Detected	7314.2 Detected	7626.8 Detected	7883 Detected	Morc2a	0.981217093	0.94932723	1.07776654	1.0427388
A_52_P1513	25504.2 Detected	15782.4 Detected	33073.6 Detected	25024.7 Detected	Tnfaip8l1	0.981199175	1.29679033	1.58560802	2.0956002
A_55_P2418	15.9 Detected	27 Detected	3.2 Not Detect	15.6 Not Detect	D230034L24Rik	0.981132075	0.20125786	0.57777778	0.1185185
A_52_P2838	2257.4 Detected	2992.9 Detected	2221 Detected	2214.8 Detected	Tapt1	0.981128732	0.98387525	0.74001804	0.7420896
A_52_P3758	20826.1 Detected	19638.4 Detected	20872.1 Detected	20431.5 Detected	Srp9	0.981052621	1.00220877	1.04038516	1.0628208
A_55_P2229	21.1 Detected	18.9 Detected	19.9 Detected	20.7 Not Detect	9430014F16Rik	0.981042654	0.94312796	1.0952381	1.0529101
A_55_P1997	22719.3 Detected	20420.2 Detected	25302.2 Detected	22288.2 Detected	Fbl	0.981024944	1.11368748	1.09147805	1.239077
A_55_P2068	2364.9 Detected	1933.4 Detected	1705.5 Detected	2319.9 Detected	Cdk20	0.980971711	0.72117214	1.1999069	0.8821248
A_66_P1291	355884.5 Detected	314369.6 Detected	366820.9 Detected	349111.5 Detected	Hist2h2ac	0.980968545	1.03073019	1.11051291	1.166846
A_51_P3363	5450.1 Detected	4932.4 Detected	5232.6 Detected	5345.8 Detected	Dido1	0.980862736	0.96009248	1.08381315	1.0608629
A_55_P1964	6519.9 Detected	4975.9 Detected	6484 Detected	6395.1 Detected	Slc25a38	0.980858602	0.99449378	1.28521474	1.3030808
A_55_P2076	1159 Detected	989.6 Detected	820.5 Detected	1136.7 Detected	Ddx5	0.980759275	0.70793788	1.14864592	0.8291229
A_55_P2025	250710.2 Detected	266185 Detected	267318.8 Detected	245867.3 Detected	Rps27a	0.980683275	1.06624621	0.92367076	1.0042594
A_55_P2081	62.1 Detected	65 Detected	63.8 Detected	60.9 Detected	Prn	0.980676329	1.0273752	0.93692308	0.9815385
A_66_P1166	36532.4 Detected	30010.5 Detected	24750.8 Detected	35824.9 Detected	Mafg	0.980633629	0.67750271	1.19374552	0.824738
A_51_P2693	9833.8 Detected	12953.9 Detected	11675.5 Detected	9643 Detected	Adsl	0.980597531	1.18728264	0.74440902	0.9013116
A_55_P2179	10.3 Not Detect	32.2 Detected	14.9 Not Detect	10.1 Not Detect	Ube2cbp	0.980582524	1.44660194	0.3136646	0.4627329
A_55_P2049	194.5 Detected	233.1 Detected	209.1 Detected	190.7 Detected	Otx2	0.980462725	1.07506427	0.81810382	0.8970399
A_55_P1955	37573.7 Detected	27197.3 Detected	36472.6 Detected	36838 Detected	Ezr	0.980419815	0.97069493	1.35447269	1.3410375
A_52_P1923	566.3 Detected	517.4 Detected	214.8 Detected	555.2 Detected	Rbak	0.980399082	0.37930426	1.0730576	0.4151527
A_55_P2171	248444.1 Detected	244478.4 Detected	270276.2 Detected	243573.8 Detected	Rps11-ps1	0.980396798	1.0878753	0.99629988	1.1055218
A_55_P2175	15.3 Detected	26.7 Detected	20.7 Detected	15 Not Detect	Vmn2r35	0.980392157	1.35294118	0.56179775	0.7752809
A_51_P4924	16177.4 Detected	18644.2 Detected	20154.4 Detected	15859.7 Detected	1110057K04Rik	0.980361492	1.24583678	0.8506506	1.0810011
A_55_P2087	55.9 Detected	58.8 Detected	59.4 Detected	54.8 Detected	Lypd6	0.980322004	1.06261181	0.93197279	1.0102041
A_55_P2081	166.5 Detected	335.3 Detected	111 Detected	163.2 Detected	Gm13043	0.98018018	0.66666667	0.4867283	0.3310468
A_55_P1994	1139.7 Detected	920.2 Detected	1293.9 Detected	1117 Detected	Tpd52l2	0.980082478	1.13529876	1.21386655	1.4061074
A_51_P4385	30.1 Detected	15.2 Not Detect	23.9 Detected	29.5 Not Detect	Steap2	0.980066445	0.79401993	1.94078947	1.5723684
A_55_P2127	47844.4 Detected	47137.1 Detected	50872.9 Detected	46887.5 Detected	4933434E20Rik	0.979999749	1.06329894	0.99470481	1.0792539
A_51_P4674	242169.3 Detected	298803.8 Detected	240098.7 Detected	237318.1 Detected	Npm1	0.979967733	0.99144978	0.79422718	0.803533
A_55_P2048	44.7 Detected	40.6 Detected	30.1 Detected	43.8 Not Detect	Ccdc17	0.979865772	0.67337808	1.07881773	0.7413793
A_51_P3849	9.9 Not Detect	25.2 Detected	4.5 Not Detect	9.7 Not Detect	Grik4	0.97979798	0.45454545	0.38492063	0.1785714
A_55_P2021	459.7 Detected	376.2 Detected	511.2 Detected	450.4 Detected	Abcb7	0.979769415	1.11202958	1.19723551	1.3588517

A_55_P2177	9432.6	Detected	7674.2	Detected	6019.3	Detected	9241.5	Detected	Mafg	0.979740475	0.63813795	1.20422976	0.7843554
A_55_P2036	1232.2	Detected	1188.3	Detected	2030.7	Detected	1207.2	Detected	Psen2	0.979711086	1.64802792	1.01590507	1.7089119
A_52_P4683	132.9	Detected	210.8	Detected	240.1	Detected	130.2	Detected	Pdxk-ps	0.979683973	1.80662152	0.61764706	1.1389943
A_55_P2018	314.8	Detected	392.4	Detected	326.4	Detected	308.4	Detected	Zbtbd6	0.979669632	1.03684879	0.78593272	0.8318043
A_55_P2117	2346.7	Detected	2063.7	Detected	2277.6	Detected	2298.9	Detected	Mtmr3	0.979630971	0.9705544	1.11397005	1.1036488
A_51_P4499	7125.8	Detected	7913.5	Detected	6967.5	Detected	6980.6	Detected	Ftsj3	0.979623341	0.97778495	0.88211285	0.8804574
A_55_P1965	578.3	Detected	459.3	Detected	498.5	Detected	566.5	Detected	Commd7	0.979595366	0.86200934	1.23339865	1.0853473
A_51_P3649	1366.8	Detected	896.7	Detected	1229.3	Detected	1338.9	Detected	Gabpa	0.979587357	0.89940006	1.49314152	1.3709156
A_51_P2270	63283.7	Detected	68770.6	Detected	61969.9	Detected	61991.3	Detected	Cks1b	0.97957768	0.97923952	0.90142154	0.9011104
A_51_P3849	84254.6	Detected	72009	Detected	111688.6	Detected	82527	Detected	Ndufa2	0.979495482	1.32560833	1.14606508	1.5510367
A_55_P2097	179050.9	Detected	173307.1	Detected	200171.9	Detected	175374.1	Detected	Rps11	0.979465057	1.11796087	1.01192681	1.1550127
A_55_P2339	2025.3	Detected	1844	Detected	1954.1	Detected	1983.6	Detected	Hnrnp1	0.979410458	0.96484471	1.07570499	1.0597072
A_55_P2318	58.2	Detected	28.9	Detected	50	Detected	57	Detected	BB236558	0.979381443	0.85910653	1.97231834	1.7301038
A_55_P2095	7209.8	Detected	5291.8	Detected	6513.7	Detected	7059.6	Detected	Pml	0.979167245	0.90345086	1.33406402	1.2309044
A_52_P1121	1223.6	Detected	1268.3	Detected	1462.8	Detected	1198.1	Detected	Srgap2	0.979159856	1.19548872	0.94465032	1.1533549
A_55_P2046	330.8	Detected	273.3	Detected	325.5	Detected	323.9	Detected	9430060I03Rik	0.979141475	0.98397823	1.18514453	1.1909989
A_55_P2153	2497.6	Detected	1719.5	Detected	3336.5	Detected	2445.3	Detected	Ccdc34	0.979059898	1.33588245	1.42209945	1.9403896
A_55_P1974	19.1	Detected	88	Detected	17.2	Not Detect	18.7	Not Detect	Dbh	0.979057592	0.90052356	0.2125	0.1954545
A_51_P1238	1659.7	Detected	1524.2	Detected	1774.5	Detected	1624.9	Detected	Sbno1	0.979032355	1.06916913	1.06606745	1.1642173
A_55_P2068	19535.1	Detected	15323	Detected	18893.8	Detected	19125.1	Detected	Anapc15	0.979012137	0.96717191	1.24813026	1.2330353
A_55_P2122	47.5	Detected	27.3	Detected	27.2	Detected	46.5	Not Detect	Asb11	0.978947368	0.57263158	1.7032967	0.996337
A_52_P6163	19	Detected	39.1	Detected	24.3	Detected	18.6	Not Detect	Atp10d	0.978947368	1.27894737	0.47570332	0.6214834
A_52_P4110	2023.6	Detected	2023.4	Detected	2147	Detected	1980.9	Detected	Dlgap5	0.978898992	1.06098043	0.97899575	1.0610853
A_51_P3367	26600.1	Detected	23835.3	Detected	27731.8	Detected	26036.6	Detected	Tipin	0.978815869	1.04254495	1.09235462	1.163476
A_55_P2006	245	Detected	219	Detected	172.3	Detected	239.8	Detected	Usp8	0.97877551	0.70326531	1.09497717	0.786758
A_55_P2100	772.3	Detected	587.7	Detected	832.2	Detected	755.9	Detected	Zfp148	0.978764729	1.07756053	1.28620044	1.4160286
A_55_P2003	40018.1	Detected	33269.8	Detected	46182.2	Detected	39167.8	Detected	Tspan3	0.978752115	1.1540328	1.17727789	1.3881117
A_51_P3488	7622.1	Detected	4925	Detected	5197.8	Detected	7459.9	Detected	Amotl2	0.978719775	0.68193805	1.51470051	1.0553909
A_66_P1031	495.7	Detected	375.4	Detected	391.6	Detected	485.1	Detected	2210017I01Rik	0.978616098	0.78999395	1.29222163	1.043154
A_55_P2047	9112	Detected	5965	Detected	9323	Detected	8917.1	Detected	Meis2	0.978610623	1.02315628	1.4949036	1.5629505
A_51_P1093	22000.9	Detected	19904.4	Detected	21194.7	Detected	21530.1	Detected	Copa	0.978600875	0.96335604	1.08167541	1.0648249
A_51_P1584	4637.7	Detected	3560.3	Detected	3426.6	Detected	4537.9	Detected	Rc3h2	0.978480712	0.73885762	1.2745836	0.962447
A_55_P2180	171.7	Detected	165.6	Detected	153.3	Detected	168	Detected	Mrgprg	0.978450786	0.89283634	1.01449275	0.9257246
A_55_P2130	222.7	Detected	195.6	Detected	163.7	Detected	217.9	Detected	LOC101056010	0.97844634	0.7350696	1.11400818	0.8369121
A_52_P3830	37.1	Detected	34.3	Detected	34	Detected	36.3	Not Detect	Cd4	0.978436658	0.91644205	1.05830904	0.9912536
A_51_P2598	2961.7	Detected	2700	Detected	2882	Detected	2897.7	Detected	Fkrp	0.978390789	0.97308978	1.07322222	1.0674074
A_51_P3270	4548.2	Detected	4639.3	Detected	3985.4	Detected	4449.9	Detected	Zbtb25	0.978387054	0.87625874	0.95917488	0.859052
A_52_P2754	6130.3	Detected	4859.6	Detected	6770.7	Detected	5997.4	Detected	Ppp4c	0.9783208	1.10446471	1.2341345	1.3932628
A_51_P3659	11899.1	Detected	12251.4	Detected	15692.9	Detected	11641	Detected	Narfl	0.978309284	1.31883084	0.95017712	1.2809067
A_52_P6791	24584.5	Detected	22303.9	Detected	39986.2	Detected	24050.9	Detected	Tjp2	0.978295267	1.6264801	1.07832711	1.7927896

A_55_P2055	192211.1	Detected	200271.4	Detected	206788.8	Detected	188037.2	Detected	Rps7	0.978284813	1.07584213	0.9389119	1.0325428
A_55_P1965	2440	Detected	2639.6	Detected	2010.1	Detected	2386.8	Detected	Setdb1	0.978196721	0.82381148	0.90422791	0.7615169
A_51_P3886	23163.7	Detected	20620.7	Detected	23845.4	Detected	22658.1	Detected	Ndufs4	0.978172744	1.02942967	1.09880363	1.1563817
A_55_P1965	13830.4	Detected	11125.4	Detected	21643.8	Detected	13527.5	Detected	Gnpda1	0.97809897	1.56494389	1.21591134	1.9454402
A_66_P1230	5942.4	Detected	4270.2	Detected	5884.7	Detected	5812.2	Detected	Gm10845	0.978089661	0.99029012	1.36110721	1.3780853
A_51_P4325	8419.6	Detected	7428.7	Detected	6357	Detected	8234.7	Detected	Wrnip1	0.978039337	0.75502399	1.10849812	0.8557352
A_55_P2067	16286.8	Detected	15908.4	Detected	18235.7	Detected	15927.6	Detected	Arf5	0.97794533	1.11966132	1.00120691	1.1462938
A_55_P2116	3665.9	Detected	3622.4	Detected	3232.4	Detected	3585	Detected	Szrd1	0.977931749	0.881748	0.98967535	0.8923366
A_55_P2126	1358.2	Detected	1296.6	Detected	1255.8	Detected	1328.2	Detected	Phf2011	0.977911942	0.9246061	1.02437143	0.9685331
A_55_P2018	424.3	Detected	421.9	Detected	505.5	Detected	414.9	Detected	Mtmr9	0.977845864	1.19137403	0.98340839	1.1981512
A_51_P4054	4948.3	Detected	4560.2	Detected	3772.6	Detected	4838.5	Detected	Smcr8	0.977810561	0.76240325	1.06102803	0.8272883
A_55_P2054	13.5	Not Detect	77.2	Detected	24.6	Detected	13.2	Not Detect	E330014E10Rik	0.977777778	1.82222222	0.17098446	0.3186528
A_55_P2176	1295.1	Detected	1070.9	Detected	1333.8	Detected	1266.3	Detected	Hipk1	0.977762335	1.02988186	1.18246335	1.2454944
A_55_P1994	4302	Detected	3440.1	Detected	3766.7	Detected	4206.3	Detected	Taf15	0.977754533	0.8755695	1.22272608	1.0949391
A_55_P2021	118993.3	Detected	105853.2	Detected	117499.8	Detected	116332.5	Detected	Fkbp1a	0.977639077	0.98744887	1.09899842	1.110026
A_55_P2278	125.2	Detected	82.8	Detected	97	Detected	122.4	Detected	C920008N22Rik	0.977635783	0.77476038	1.47826087	1.1714976
A_66_P1260	6716.7	Detected	7478.6	Detected	8015.7	Detected	6566.3	Detected	Pycl1	0.977608052	1.19339854	0.87801193	1.0718183
A_55_P2160	58936	Detected	51910.2	Detected	66149.2	Detected	57610.2	Detected	Arf5	0.977504412	1.12239039	1.10980501	1.2743006
A_55_P1967	354081.4	Detected	345328	Detected	348851.7	Detected	346110.5	Detected	Rpl11	0.97748851	0.98523023	1.00226596	1.0102039
A_51_P3519	186	Detected	73.1	Detected	23.8	Detected	181.8	Detected	Chd3os	0.977419355	0.12795699	2.4870041	0.3255814
A_51_P1002	3213.5	Detected	2737.4	Detected	2563.9	Detected	3140.9	Detected	Srf	0.977407811	0.79785281	1.14740264	0.9366187
A_55_P2152	5596.3	Detected	4569.1	Detected	5203.3	Detected	5469.3	Detected	Zfyve19	0.977306435	0.92977503	1.19701911	1.138802
A_51_P4920	3678.7	Detected	3638.8	Detected	3666.8	Detected	3594.6	Detected	Pole3	0.977138663	0.99676516	0.98785314	1.0076948
A_55_P2010	48.1	Detected	48.2	Detected	54.4	Detected	47	Not Detect	C1d	0.977130977	1.13097713	0.97510373	1.1286307
A_55_P2023	43.6	Detected	34.9	Detected	51	Detected	42.6	Not Detect	Depdc5	0.97706422	1.16972477	1.22063037	1.4613181
A_51_P1643	21.8	Detected	21	Detected	26.6	Detected	21.3	Not Detect	Txndc2	0.97706422	1.22018349	1.01428571	1.2666667
A_55_P1972	549.2	Detected	481.9	Detected	420.4	Detected	536.6	Detected	Fam160b2	0.977057538	0.76547706	1.11350903	0.8723802
A_55_P2174	39.2	Detected	31.7	Detected	30.7	Detected	38.3	Not Detect	Dtx3l	0.977040816	0.78316327	1.20820189	0.9684543
A_51_P1612	34.8	Detected	29.9	Detected	39.5	Detected	34	Not Detect	Rfx3	0.977011494	1.13505747	1.13712375	1.3210702
A_55_P2111	391.2	Detected	362.6	Detected	307.7	Detected	382.2	Detected	Zc3h12c	0.976993865	0.78655419	1.05405405	0.8485935
A_55_P1969	919.5	Detected	914.8	Detected	907.5	Detected	898.3	Detected	Styx	0.976943991	0.98694943	0.98196327	0.9920201
A_51_P2857	14656	Detected	13533.9	Detected	18113	Detected	14317.5	Detected	Fem1a	0.976903657	1.23587609	1.05789905	1.338343
A_55_P2006	17340.9	Detected	15127.8	Detected	16562.7	Detected	16939.6	Detected	Eif4a2	0.976858179	0.95512344	1.11976626	1.0948519
A_55_P2154	189936.6	Detected	191813.3	Detected	213356.4	Detected	185538.1	Detected	Rps29	0.976842273	1.12330325	0.96728485	1.1123129
A_55_P2113	11970.4	Detected	9768.1	Detected	13897.8	Detected	11693	Detected	Zc3h3	0.976826171	1.16101383	1.19705982	1.4227741
A_55_P2095	839.1	Detected	727.8	Detected	625.9	Detected	819.6	Detected	Meaf6	0.976760815	0.74591825	1.12613355	0.859989
A_55_P2082	790.2	Detected	930.9	Detected	572.3	Detected	771.8	Detected	Mdn1	0.976714756	0.72424703	0.82909013	0.6147814
A_55_P1990	18834.5	Detected	12089.1	Detected	18603.2	Detected	18395.6	Detected	Dolpp1	0.976697019	0.98771934	1.52166828	1.5388408
A_55_P2062	5906.3	Detected	6330.2	Detected	6452.2	Detected	5768.2	Detected	Mfap3	0.976618187	1.09242673	0.91121923	1.0192727
A_55_P2052	123.6	Detected	79.2	Detected	144.9	Detected	120.7	Detected	Lst1	0.976537217	1.1723301	1.5239899	1.8295455

A_51_P4821	42.6	Detected	49.9	Detected	61.2	Detected	41.6	Not Detect	Mecom	0.976525822	1.43661972	0.83366733	1.2264529
A_55_P2114	441.8	Detected	409.4	Detected	450.5	Detected	431.4	Detected	Tbc1d31	0.976459937	1.01969217	1.05373718	1.1003908
A_55_P1959	20042.5	Detected	22091.9	Detected	22356.9	Detected	19570.6	Detected	Imp4	0.976455033	1.11547462	0.8858722	1.0119953
A_55_P2022	62024.2	Detected	52175.7	Detected	66498.5	Detected	60562.8	Detected	Psmd2	0.976438229	1.07213797	1.16074724	1.2745109
A_55_P2081	2241.7	Detected	2084.4	Detected	1525.4	Detected	2188.8	Detected	Glis1	0.976401838	0.68046572	1.05008636	0.7318173
A_55_P2090	23849.2	Detected	29131.8	Detected	24215.6	Detected	23285.3	Detected	Fam207a	0.976355601	1.0153632	0.79930866	0.8312428
A_55_P2065	6235.7	Detected	5610.7	Detected	5429.3	Detected	6088.1	Detected	Dhx8	0.976329843	0.87068012	1.08508742	0.9676689
A_55_P2125	49201.1	Detected	37757.1	Detected	47522.2	Detected	48031.8	Detected	Mmadhc	0.976234271	0.96587678	1.2721263	1.2586295
A_55_P2233	492.2	Detected	405.5	Detected	519.2	Detected	480.5	Detected	Zfp626	0.976229175	1.05485575	1.18495684	1.2803946
A_51_P4845	394.9	Detected	414.6	Detected	438.8	Detected	385.5	Detected	Spata25	0.976196505	1.11116738	0.92981187	1.0583695
A_55_P2117	16.8	Detected	21.7	Detected	30.3	Detected	16.4	Not Detect	Pigu	0.976190476	1.80357143	0.75576037	1.3963134
A_51_P1907	18564.8	Detected	18568.6	Detected	16916.8	Detected	18122.5	Detected	Rtca	0.976175343	0.91122985	0.97597557	0.9110434
A_52_P3943	4217	Detected	3761.8	Detected	5021.9	Detected	4116.5	Detected	1600012H06Rik	0.976167892	1.19087029	1.09428997	1.3349726
A_65_P0302	3254.9	Detected	2111.4	Detected	2157.2	Detected	3176.8	Detected	Cdc14b	0.976005407	0.66275462	1.50459411	1.0216918
A_52_P4940	2012	Detected	2110.4	Detected	2054.1	Detected	1963.7	Detected	Pde12	0.975994036	1.02092445	0.93048711	0.9733226
A_55_P2151	179996	Detected	168849.4	Detected	189716	Detected	175657.5	Detected	Rpl7a	0.975896687	1.0540012	1.04032055	1.1235811
A_52_P2079	626	Detected	614.4	Detected	534.1	Detected	610.9	Detected	Gtf3c2	0.975878594	0.85319489	0.99430339	0.8693034
A_55_P1968	7299	Detected	6669.5	Detected	6948.5	Detected	7122.7	Detected	Gtpbp6	0.975846006	0.95197972	1.06795112	1.0418322
A_52_P5721	3325.2	Detected	3036	Detected	2682.2	Detected	3244.7	Detected	Pank3	0.97579093	0.80662817	1.06874177	0.8834651
A_55_P2114	93025	Detected	88385.6	Detected	109680	Detected	90762.6	Detected	LOC100862445	0.975679656	1.17903789	1.02689352	1.2409261
A_55_P2052	58228.3	Detected	55823.6	Detected	79379.7	Detected	56807.2	Detected	Psat1	0.975594342	1.36324949	1.01761979	1.4219739
A_55_P2084	338361.5	Detected	290339.8	Detected	343532.5	Detected	330101	Detected	Hist1h2an	0.975586761	1.01528247	1.13694712	1.1832084
A_55_P2137	323963.8	Detected	343202.9	Detected	353569.7	Detected	316050.3	Detected	Rps24	0.975572888	1.09138645	0.9208847	1.030206
A_55_P1956	42175.3	Detected	42246.6	Detected	45870.4	Detected	41143.8	Detected	Nolc1	0.975542557	1.08761289	0.97389612	1.0857773
A_55_P2168	25495.7	Detected	29158.7	Detected	24096.9	Detected	24871.4	Detected	Plrg1	0.975513518	0.94513585	0.8529667	0.8264052
A_52_P5856	326.7	Detected	282.9	Detected	339.6	Detected	318.7	Detected	Ciao1	0.975512703	1.03948577	1.12654648	1.2004242
A_55_P2025	36375.5	Detected	54937.8	Detected	26778.5	Detected	35484.5	Detected	Cpe	0.975505491	0.73616858	0.64590319	0.4874331
A_52_P8685	4697.2	Detected	4258.6	Detected	5035.2	Detected	4582	Detected	Tmem183a	0.975474751	1.07195776	1.07594045	1.1823604
A_51_P3410	2818.7	Detected	3177	Detected	3135.2	Detected	2749.5	Detected	Erc8	0.975449675	1.11228581	0.86543909	0.9868429
A_55_P2082	7324.4	Detected	7387	Detected	5595.3	Detected	7144	Detected	Baz1a	0.975369996	0.76392606	0.96710437	0.7574523
A_52_P7892	863.5	Detected	711.9	Detected	1034.8	Detected	842.2	Detected	Ythdc2	0.975332947	1.19837869	1.18303132	1.4535749
A_65_P1782	2309.9	Detected	2370.2	Detected	2305.9	Detected	2252.7	Detected	Cenpl	0.975237023	0.99826832	0.95042612	0.9728715
A_55_P1997	6006.3	Detected	6616.7	Detected	6064.7	Detected	5857.4	Detected	Smek2	0.975209364	1.00972312	0.88524491	0.9165747
A_52_P3217	60.2	Detected	56.3	Detected	73.6	Detected	58.7	Detected	Narg2	0.975083056	1.22259136	1.04262877	1.3072824
A_55_P2049	120.1	Detected	124.6	Detected	78.6	Detected	117.1	Detected	Pld2	0.975020816	0.65445462	0.93980738	0.6308186
A_51_P2604	8358.6	Detected	6087.2	Detected	7054.5	Detected	8149.8	Detected	Ralbp1	0.97501974	0.84398105	1.33884216	1.1589072
A_51_P4787	20	Detected	13.8	Not Detect	20.3	Detected	19.5	Not Detect	Tgtp1	0.975	1.015	1.41304348	1.4710145
A_55_P2165	13600.6	Detected	9062.1	Detected	14347.3	Detected	13259.3	Detected	Klhl22	0.974905519	1.05490199	1.46315975	1.5832202
A_55_P2152	167.2	Detected	137.2	Detected	164.1	Detected	163	Detected	Lyrml1	0.974880383	0.98145933	1.18804665	1.1960641
A_55_P2086	63.5	Detected	57.5	Detected	55.1	Detected	61.9	Detected	Olfrc362	0.97480315	0.86771654	1.07652174	0.9582609

A_55_P2168	27106.8	Detected	22499.1	Detected	37947.5	Detected	26422.8	Detected	Sac3d1	0.974766479	1.39992548	1.17439364	1.686623
A_55_P2164	206	Detected	141.9	Detected	148.8	Detected	200.8	Detected	Tada2b	0.974757282	0.7223301	1.41508104	1.0486258
A_51_P3856	7715.3	Detected	7210.9	Detected	8866.1	Detected	7520.4	Detected	Mgat3	0.974738507	1.14915817	1.04292113	1.2295414
A_51_P1086	1095.4	Detected	1117.1	Detected	1181	Detected	1067.7	Detected	Pr13b1	0.974712434	1.07814497	0.95577835	1.0572017
A_55_P1977	197.2	Detected	212.6	Detected	80.5	Detected	192.2	Detected	Sall3	0.97464503	0.40821501	0.90404516	0.3786453
A_55_P2159	49896.1	Detected	43058.9	Detected	39947.7	Detected	48630.4	Detected	Sbf1	0.974633288	0.80061768	1.12939253	0.9277455
A_55_P2049	23.6	Detected	25.7	Detected	25.2	Detected	23	Not Detect	Prickle4	0.974576271	1.06779661	0.89494163	0.9805447
A_65_P1898	483.2	Detected	405.1	Detected	494.1	Detected	470.9	Detected	Palb2	0.974544702	1.02255795	1.16242903	1.2196988
A_55_P2390	35.3	Detected	26.7	Detected	34	Detected	34.4	Not Detect	1810064F22Rik	0.974504249	0.9631728	1.28838951	1.2734082
A_52_P6771	15339.7	Detected	19376.4	Detected	13702	Detected	14948	Detected	Prmt5	0.97446495	0.89323781	0.77145393	0.7071489
A_55_P2033	16048	Detected	17165.5	Detected	12923.7	Detected	15637.1	Detected	Pomgnt1	0.974395563	0.8053153	0.91096094	0.7528881
A_55_P2077	8191.4	Detected	8217.9	Detected	7833	Detected	7980.8	Detected	Mphosph8	0.974290109	0.9562468	0.97114835	0.9531632
A_51_P3281	3219.4	Detected	2569.9	Detected	4055.5	Detected	3136.5	Detected	Gle1	0.97424986	1.25970678	1.2204755	1.578077
A_55_P2068	23.3	Detected	15.8	Not Detect	17.3	Detected	22.7	Not Detect	Gm3552	0.974248927	0.74248927	1.43670886	1.0949367
A_52_P2352	1125	Detected	1065.7	Detected	1229.2	Detected	1096	Detected	Pms1	0.974222222	1.09262222	1.02843202	1.1534203
A_51_P3569	23.2	Detected	25.8	Detected	26.5	Detected	22.6	Not Detect	Lgi3	0.974137931	1.14224138	0.87596899	1.0271318
A_55_P2241	69.1	Detected	56.6	Detected	65.8	Detected	67.3	Detected	5330439K02Rik	0.973950796	0.95224313	1.18904594	1.1625442
A_55_P2167	49.6	Detected	47.7	Detected	45.1	Detected	48.3	Not Detect	Gm14151	0.973790323	0.90927419	1.01257862	0.9454927
A_51_P1914	4136.3	Detected	3901.9	Detected	3497.3	Detected	4027.7	Detected	Rnf31	0.973744651	0.84551411	1.0322407	0.8963069
A_51_P2536	6811.4	Detected	7278.1	Detected	8031.3	Detected	6632.4	Detected	Mrps9	0.973720527	1.17909681	0.91128179	1.1034885
A_55_P2076	2112.5	Detected	2060.6	Detected	1753	Detected	2056.9	Detected	Lrr1	0.973680473	0.82982249	0.99820441	0.8507231
A_52_P3518	18595.2	Detected	21135.5	Detected	15319	Detected	18105.5	Detected	Impad1	0.973665247	0.82381475	0.8566393	0.7247995
A_55_P1999	32060.1	Detected	46980.7	Detected	17868.7	Detected	31211.6	Detected	Plin2	0.973534081	0.5573501	0.6643494	0.3803413
A_66_P1322	79.1	Detected	31.6	Detected	42.4	Detected	77	Detected	Tfpi	0.973451327	0.53603034	2.43670886	1.3417722
A_55_P1973	109184.6	Detected	91765.5	Detected	116565.9	Detected	106275.7	Detected	Gm10237	0.973357964	1.06760386	1.15812261	1.2702584
A_52_P3397	3338.1	Detected	3007.4	Detected	3368.6	Detected	3248.8	Detected	Hdgf	0.973248255	1.00913693	1.08026867	1.1201037
A_55_P2084	63.5	Detected	65.8	Detected	50.8	Detected	61.8	Detected	9130019O22Rik	0.973228346	0.8	0.93920973	0.7720365
A_55_P2006	22708	Detected	21131.3	Detected	25285	Detected	22099.9	Detected	Bzw1	0.973220891	1.11348423	1.04583722	1.1965662
A_55_P2219	4123	Detected	4140.7	Detected	4077	Detected	4012.4	Detected	Lmn2	0.973174873	0.98884308	0.9690149	0.9846161
A_55_P1985	14.9	Not Detect	22.4	Detected	9.5	Not Detect	14.5	Not Detect	Krtap5-5	0.973154362	0.63758389	0.64732143	0.4241071
A_52_P2655	241.7	Detected	188.3	Detected	178.4	Detected	235.2	Detected	Exoc6b	0.973107158	0.73810509	1.24907063	0.9474243
A_55_P1962	3184.8	Detected	3315.8	Detected	1017.7	Detected	3099	Detected	Mnda	0.973059533	0.31954911	0.93461608	0.3069244
A_66_P1076	33.4	Detected	44	Detected	25.8	Detected	32.5	Not Detect	Fam217b	0.973053892	0.77245509	0.73863636	0.5863636
A_52_P1411	749.4	Detected	676.6	Detected	740.4	Detected	729.2	Detected	Csnk1g3	0.973045103	0.98799039	1.07774165	1.094295
A_55_P2042	1319.2	Detected	1234.9	Detected	1141	Detected	1283.6	Detected	Pbrm1	0.973013948	0.86491813	1.03943639	0.9239615
A_55_P1965	15515.8	Detected	15254.6	Detected	14014.5	Detected	15096.9	Detected	Alg2	0.973001714	0.90324057	0.98966213	0.9187065
A_52_P3130	32850.9	Detected	37556.4	Detected	29371.3	Detected	31963.5	Detected	Hnrrnpab	0.972987041	0.89407901	0.85107998	0.7820585
A_66_P1223	81.4	Detected	60.6	Detected	42.4	Detected	79.2	Detected	Cd84	0.972972973	0.52088452	1.30693069	0.69967
A_55_P1994	14.8	Not Detect	19.7	Detected	7.6	Not Detect	14.4	Not Detect	Heph	0.972972973	0.51351351	0.73096447	0.3857868
A_55_P2329	680.4	Detected	443.4	Detected	421.3	Detected	662	Detected	C530014P21Rik	0.972957084	0.61919459	1.49300857	0.9501579

A_55_P2169	8212.4	Detected	8333.9	Detected	6760	Detected	7990.3	Detected	Strada	0.972955531	0.82314549	0.9587708	0.8111448
A_52_P2905	609.8	Detected	516.7	Detected	495.2	Detected	593.3	Detected	Tstd2	0.972941948	0.81206953	1.1482485	0.9583898
A_55_P2070	18327	Detected	22525.5	Detected	17879	Detected	17831.1	Detected	Senp3	0.972941562	0.97555519	0.79159619	0.7937227
A_55_P2119	383.7	Detected	284.5	Detected	277.9	Detected	373.3	Detected	Osbpl9	0.972895491	0.72426375	1.31212654	0.9768014
A_55_P2137	324.5	Detected	206.5	Detected	251.1	Detected	315.7	Detected	Dnmbp	0.972881356	0.77380586	1.52881356	1.2159806
A_52_P3436	239.6	Detected	278.2	Detected	146.4	Detected	233.1	Detected	Siah1a	0.972871452	0.61101836	0.83788641	0.5262401
A_55_P2001	58.9	Detected	34.8	Detected	70.7	Detected	57.3	Detected	6330408A02Rik	0.972835314	1.20033956	1.64655172	2.0316092
A_55_P1982	125.1	Detected	129.9	Detected	98.5	Detected	121.7	Detected	Klk9	0.972821743	0.7873701	0.93687452	0.7582756
A_55_P2012	11	Not Detect	22.6	Detected	14.9	Not Detect	10.7	Not Detect	Bmp8b	0.972727273	1.35454545	0.47345133	0.659292
A_55_P2171	125158.1	Detected	120362	Detected	136900.8	Detected	121744.1	Detected	Rps11-ps1	0.972722501	1.09382293	1.01148286	1.1374088
A_52_P3254	1498.8	Detected	2475.1	Detected	790.7	Detected	1457.9	Detected	Arhgap29	0.972711503	0.52755538	0.58902671	0.3194618
A_55_P2111	2032.5	Detected	1256.7	Detected	1234.7	Detected	1977	Detected	Polq	0.972693727	0.60747847	1.57316782	0.9824938
A_55_P1954	18.3	Detected	10.6	Not Detect	7.8	Not Detect	17.8	Not Detect	Plagl2	0.972677596	0.42622951	1.67924528	0.7358491
A_52_P5984	113	Detected	73.4	Detected	82	Detected	109.9	Detected	Klhl22	0.972566372	0.72566372	1.4972752	1.1171662
A_55_P2150	2567.6	Detected	1568.9	Detected	6229.3	Detected	2497.1	Detected	Gm5077	0.972542452	2.42611778	1.59162471	3.9704889
A_51_P3723	20352	Detected	23646.2	Detected	25314.6	Detected	19792.8	Detected	Mrpl54	0.972523585	1.24383844	0.83703936	1.0705568
A_51_P1515	87.3	Detected	58.3	Detected	57.8	Detected	84.9	Detected	Gp1bb	0.972508591	0.66208477	1.45626072	0.9914237
A_55_P1987	6044	Detected	3580	Detected	5514.3	Detected	5877.7	Detected	Erbp2ip	0.972485109	0.91235936	1.64181564	1.5403073
A_52_P5430	1423	Detected	1398.3	Detected	1365.2	Detected	1383.8	Detected	Utp14a	0.972452565	0.95938159	0.98963027	0.9763284
A_66_P1194	8725.4	Detected	8759.5	Detected	8505.9	Detected	8484.8	Detected	Prdx1	0.972425333	0.97484356	0.96863976	0.9710486
A_55_P2037	144.6	Detected	122.7	Detected	125.5	Detected	140.6	Detected	Elmsan1	0.972337483	0.86791148	1.14588427	1.0228199
A_52_P5544	25.3	Detected	32	Detected	39.3	Detected	24.6	Not Detect	Rwdd2a	0.972332016	1.55335968	0.76875	1.228125
A_55_P2035	5200.3	Detected	5623.7	Detected	5229.5	Detected	5056.2	Detected	Gm2436	0.97229006	1.00561506	0.89908779	0.9299038
A_55_P2002	2459.7	Detected	1570	Detected	2699.2	Detected	2391.3	Detected	Mlit10	0.972191731	1.0973696	1.52312102	1.7192357
A_55_P2266	136.5	Detected	118.1	Detected	122.7	Detected	132.7	Detected	9430078K24Rik	0.972161172	0.8989011	1.12362405	1.03895
A_55_P2066	862.1	Detected	608.3	Detected	362.1	Detected	838.1	Detected	Crocc	0.972161002	0.42002088	1.37777412	0.5952655
A_51_P2954	21648.4	Detected	21735.5	Detected	20860.7	Detected	21045.7	Detected	Mfsd5	0.972159605	0.96361394	0.9682639	0.9597525
A_55_P1991	3009.2	Detected	2253.8	Detected	3106.7	Detected	2925.4	Detected	E4f1	0.972152067	1.03240064	1.29798562	1.3784275
A_51_P2761	43	Detected	48.3	Detected	39.4	Detected	41.8	Not Detect	Olfr1030	0.972093023	0.91627907	0.86542443	0.815735
A_55_P2144	17.9	Detected	19.9	Detected	21.5	Detected	17.4	Not Detect	Nnt	0.972067039	1.20111732	0.87437186	1.080402
A_51_P4334	880	Detected	770.9	Detected	736.5	Detected	855.4	Detected	Phc1	0.972045455	0.83693182	1.10961214	0.9553768
A_55_P2062	2659.1	Detected	1526.1	Detected	1176.2	Detected	2584.5	Detected	Gm2382	0.971945395	0.44233011	1.69353253	0.7707228
A_55_P2181	99.7	Detected	85.8	Detected	45.5	Detected	96.9	Detected	LOC100505237	0.971915747	0.45636911	1.12937063	0.530303
A_52_P6252	1568.7	Detected	1735.4	Detected	1598.2	Detected	1524.6	Detected	Ube3a	0.97188755	1.01880538	0.87852945	0.9209404
A_55_P2103	24.8	Detected	46.6	Detected	25.1	Detected	24.1	Not Detect	Spata18	0.971774194	1.01209677	0.51716738	0.5386266
A_51_P5020	34063.2	Detected	30030.1	Detected	35941	Detected	33101.7	Detected	Rrm1	0.971773057	1.05512694	1.10228404	1.1968325
A_55_P2026	759.9	Detected	648.3	Detected	656.1	Detected	738.4	Detected	Srrm2	0.971706804	0.86340308	1.13897887	1.0120315
A_55_P2186	9466.6	Detected	10555.4	Detected	9619.3	Detected	9198.7	Detected	Acp1	0.971700505	1.0161304	0.87146863	0.9113155
A_51_P4610	10.6	Not Detect	233.2	Detected	14.6	Not Detect	10.3	Not Detect	Crct1	0.971698113	1.37735849	0.0441681	0.0626072
A_55_P2077	690.8	Detected	676.2	Detected	605.1	Detected	671.2	Detected	Tpgs2	0.971627099	0.87594094	0.99260574	0.8948536

A_55_P1990	12456.8	Detected	11537.8	Detected	13829.8	Detected	12103.3	Detected	Tbc1d22a	0.971621925	1.11022092	1.04901281	1.1986514
A_52_P3983	252.4	Detected	264.9	Detected	230.9	Detected	245.2	Detected	Ccdc157	0.971473851	0.91481775	0.92563231	0.8716497
A_55_P1972	1103.9	Detected	1051.6	Detected	852.3	Detected	1072.4	Detected	Capn10	0.971464807	0.7720808	1.01977938	0.8104793
A_55_P2010	329.4	Detected	244.5	Detected	254.5	Detected	320	Detected	Kif17	0.971463267	0.77261688	1.30879346	1.0408998
A_55_P2162	637.4	Detected	634	Detected	724.8	Detected	619.2	Detected	Prpf40b	0.971446501	1.13711955	0.97665615	1.1432177
A_51_P2802	23778.1	Detected	25070.3	Detected	23795.3	Detected	23098.5	Detected	Zfp207	0.971419079	1.00072335	0.92134917	0.949143
A_55_P1968	839.2	Detected	765.3	Detected	871.1	Detected	815.2	Detected	Ptk2b	0.971401335	1.03801239	1.06520319	1.1382464
A_55_P2042	307.3	Detected	263.5	Detected	241.6	Detected	298.5	Detected	Mier1	0.971363488	0.78620241	1.13282732	0.916888
A_55_P1983	202.3	Detected	215.9	Detected	196.5	Detected	196.5	Detected	Cflar	0.971329708	0.97132971	0.91014358	0.9101436
A_51_P1515	5537.3	Detected	6606.9	Detected	4619.4	Detected	5378.2	Detected	Gsg2	0.971267585	0.83423329	0.81402776	0.6991781
A_51_P4945	5049.6	Detected	4869	Detected	7398	Detected	4904.5	Detected	Abhd17b	0.971265051	1.46506654	1.00729102	1.5194085
A_55_P2100	69492.7	Detected	60249.8	Detected	57513.5	Detected	67489.6	Detected	Mtif2	0.97117539	0.8276193	1.12016305	0.9545841
A_51_P4920	10.4	Not Detect	10.6	Not Detect	37.7	Detected	10.1	Not Detect	Fam3b	0.971153846	3.625	0.95283019	3.5566038
A_51_P1279	9860	Detected	11646.7	Detected	6750.9	Detected	9575.4	Detected	Rnasek	0.971135903	0.68467546	0.82215563	0.5796406
A_52_P4774	12165.9	Detected	8212.2	Detected	9995.1	Detected	11813.4	Detected	Mnt	0.971025571	0.82156684	1.4385183	1.2171038
A_55_P1956	20.7	Detected	25.4	Detected	62.4	Detected	20.1	Not Detect	Serpinf2	0.971014493	3.01449275	0.79133858	2.4566929
A_52_P1498	3311.3	Detected	2335	Detected	2789.6	Detected	3215.2	Detected	Irak1	0.970978166	0.84244859	1.37695931	1.1946895
A_55_P2042	1583	Detected	1492.1	Detected	1272	Detected	1536.8	Detected	Pbrm1	0.970814908	0.80353759	1.02995778	0.8524898
A_55_P2129	147332.9	Detected	119099.4	Detected	168739.8	Detected	143026.9	Detected	Calm2	0.97077367	1.14529613	1.20090361	1.4167981
A_55_P2013	8599.9	Detected	8240.8	Detected	9039.8	Detected	8348.5	Detected	Dhrs13	0.970767102	1.05115176	1.01306912	1.0969566
A_65_P0606	363959.7	Detected	358932.7	Detected	354096.8	Detected	353318.7	Detected	Gm13826	0.970763247	0.97290112	0.98435918	0.986527
A_55_P2153	14821	Detected	12576.9	Detected	16181.2	Detected	14386.9	Detected	LOC101056659	0.970710478	1.09177518	1.14391464	1.286581
A_55_P2002	648.1	Detected	541.9	Detected	391.8	Detected	629.1	Detected	Zswim6	0.970683536	0.60453634	1.1609153	0.7230116
A_66_P1173	191	Detected	330.9	Detected	157.1	Detected	185.4	Detected	LOC101055922	0.970680628	0.82251309	0.56029012	0.4747658
A_52_P5990	780.7	Detected	789.6	Detected	903.6	Detected	757.8	Detected	Atg14	0.97066735	1.15742283	0.95972644	1.1443769
A_55_P2368	418.3	Detected	326.7	Detected	368	Detected	406	Detected	Sp4	0.970595267	0.87975137	1.24273033	1.1264157
A_51_P2790	20.4	Detected	18	Detected	13.2	Not Detect	19.8	Not Detect	Trem1	0.970588235	0.64705882	1.1	0.7333333
A_55_P2043	19203.6	Detected	18320.3	Detected	19200.7	Detected	18638	Detected	Grhpr	0.970547189	0.99984899	1.01734142	1.048056
A_51_P3872	23910.1	Detected	26016.3	Detected	22375.5	Detected	23205.6	Detected	Ddx1	0.970535464	0.93581792	0.89196388	0.860057
A_66_P1252	1602.9	Detected	1570.4	Detected	1293.2	Detected	1555.5	Detected	Kif2c	0.970428598	0.8067877	0.99051197	0.8234845
A_52_P5222	21539.3	Detected	18852.7	Detected	11584.9	Detected	20900.3	Detected	Pitx1	0.970333298	0.53784942	1.10861044	0.6144955
A_55_P2073	28419.5	Detected	24542.4	Detected	27567.2	Detected	27576.2	Detected	Mrpl27	0.970326712	0.97001003	1.12361464	1.1232479
A_55_P2064	79595.3	Detected	80656	Detected	77617.3	Detected	77231.6	Detected	Pabpn1	0.970303523	0.97514929	0.95754315	0.9623252
A_55_P2107	20.2	Detected	15	Not Detect	16.1	Not Detect	19.6	Not Detect	BC030307	0.97029703	0.7970297	1.30666667	1.0733333
A_55_P1991	198.4	Detected	266.7	Detected	203.1	Detected	192.5	Detected	Phf21b	0.970262097	1.02368952	0.72178478	0.7615298
A_55_P2065	41326.2	Detected	36928.8	Detected	59217.8	Detected	40094.3	Detected	Glud1	0.970190823	1.43293601	1.08571901	1.6035669
A_55_P1997	79796.5	Detected	70537.6	Detected	88046.9	Detected	77413.8	Detected	Rpl35a	0.970140294	1.10339301	1.09748276	1.2482265
A_55_P2081	36.8	Detected	29.3	Detected	21.5	Detected	35.7	Not Detect	Fgd1	0.970108696	0.58423913	1.21843003	0.7337884
A_51_P1507	120.3	Detected	84.9	Detected	84.6	Detected	116.7	Detected	Lyst	0.970074813	0.7032419	1.3745583	0.9964664
A_55_P2402	40.1	Detected	28.5	Detected	24.4	Detected	38.9	Not Detect	B430203I24Rik	0.970074813	0.6084788	1.36491228	0.8561404

A_52_P6700	367.5	Detected	313.7	Detected	238.4	Detected	356.5	Detected	Zrsr2	0.970068027	0.64870748	1.13643609	0.7599617
A_55_P2040	80.1	Detected	71.6	Detected	75.8	Detected	77.7	Detected	Ccdc126	0.970037453	0.9463171	1.08519553	1.0586592
A_51_P3389	1693.7	Detected	1297.2	Detected	1135.9	Detected	1642.9	Detected	Qser1	0.970006495	0.67066186	1.26649707	0.8756553
A_55_P2100	20	Detected	13.4	Not Detect	23.1	Detected	19.4	Not Detect	Cngb1	0.97	1.155	1.44776119	1.7238806
A_52_P8059	13801.4	Detected	14290.1	Detected	13326.7	Detected	13387.1	Detected	Pole3	0.969981306	0.96560494	0.9368094	0.9325827
A_55_P2130	416	Detected	358.4	Detected	289.7	Detected	403.5	Detected	Prdm11	0.969951923	0.69639423	1.12583705	0.8083147
A_66_P1015	39.9	Detected	46.6	Detected	67.4	Detected	38.7	Not Detect	Lin52	0.969924812	1.68922306	0.8304721	1.4463519
A_55_P2363	53.2	Detected	48.5	Detected	45.1	Detected	51.6	Detected	Clasp2	0.969924812	0.84774436	1.06391753	0.9298969
A_51_P2518	26015.5	Detected	25618.6	Detected	24305.2	Detected	25233	Detected	Magoh	0.969921777	0.93425842	0.98494844	0.9487326
A_55_P2121	10361.9	Detected	8600.4	Detected	9280.1	Detected	10049.1	Detected	Wiz	0.969812486	0.8955983	1.16844565	1.0790312
A_52_P5930	437	Detected	511.9	Detected	433.9	Detected	423.8	Detected	Pibf1	0.96979405	0.99290618	0.82789607	0.8476265
A_51_P2309	7298.9	Detected	5398.6	Detected	7401.6	Detected	7077	Detected	Cab39	0.969598159	1.01407061	1.31089542	1.3710221
A_51_P4824	1840.3	Detected	1562.2	Detected	2065.4	Detected	1784.3	Detected	Lins	0.969570179	1.12231701	1.1421713	1.3221098
A_55_P1953	6186.2	Detected	4672.7	Detected	6974.4	Detected	5997.7	Detected	Dpm1	0.969528952	1.12741263	1.28356197	1.4925846
A_52_P2065	1909	Detected	1170.7	Detected	1753.9	Detected	1850.8	Detected	Gtf2ird2	0.969512834	0.91875327	1.58093448	1.4981635
A_55_P2054	340.9	Detected	269.4	Detected	300.3	Detected	330.5	Detected	Slc31a2	0.96949252	0.88090349	1.2268003	1.1146993
A_55_P2457	753.7	Detected	702.9	Detected	583.6	Detected	730.7	Detected	Psme4	0.96948388	0.77431339	1.03955043	0.8302746
A_55_P1955	308	Detected	246.2	Detected	322	Detected	298.6	Detected	Zfp595	0.969480519	1.04545455	1.21283509	1.3078798
A_51_P2791	1271.2	Detected	1126.4	Detected	1572.4	Detected	1232.4	Detected	Dak	0.969477659	1.23694147	1.09410511	1.3959517
A_55_P2005	433328.5	Detected	410503.1	Detected	412440.8	Detected	420095.8	Detected	Rpl10	0.969462659	0.95179708	1.02336815	1.0047203
A_55_P1981	4489.7	Detected	2695.1	Detected	4597.4	Detected	4352.3	Detected	Lactb	0.969396619	1.02398824	1.6148937	1.7058365
A_52_P4974	19.6	Detected	14.7	Not Detect	12.4	Not Detect	19	Not Detect	Aanat	0.969387755	0.63265306	1.29251701	0.8435374
A_55_P2000	1289.9	Detected	1090.1	Detected	1586.8	Detected	1250.4	Detected	Prf1	0.969377471	1.23017288	1.14705073	1.4556463
A_51_P2408	13935.8	Detected	11908.1	Detected	14007.2	Detected	13507.2	Detected	Sppl3	0.969244679	1.00512349	1.13428675	1.176275
A_52_P2196	419.4	Detected	294.9	Detected	504	Detected	406.5	Detected	Exoc6	0.969241774	1.20171674	1.37843337	1.7090539
A_55_P2129	6009.9	Detected	5092.6	Detected	6500.8	Detected	5825	Detected	Mtfmt	0.969234097	1.08168189	1.14381652	1.2765189
A_55_P2205	81.1	Detected	60.6	Detected	76.6	Detected	78.6	Detected	4930442P07Rik	0.969173859	0.94451295	1.2970297	1.2640264
A_55_P2131	21647	Detected	18030.7	Detected	21182.3	Detected	20979.4	Detected	Smarcc1	0.969159699	0.97853282	1.16353774	1.1747908
A_55_P2126	188	Detected	178.6	Detected	144.8	Detected	182.2	Detected	LOC101056541	0.969148936	0.77021277	1.02015677	0.8107503
A_52_P4950	30810.8	Detected	37925.4	Detected	37956.4	Detected	29859.4	Detected	9130401M01Rik	0.969121217	1.23191868	0.78731932	1.0008174
A_55_P2425	1706.5	Detected	1109	Detected	1201.9	Detected	1653.8	Detected	Fmn1	0.969118078	0.70430706	1.49125338	1.0837692
A_55_P2159	6982.3	Detected	6173.7	Detected	8086.8	Detected	6765.1	Detected	Rfc4	0.968892772	1.1581857	1.09579345	1.309879
A_55_P2054	1084.3	Detected	989.4	Detected	819.8	Detected	1050.4	Detected	Fbxo44	0.96873559	0.75606382	1.06165353	0.828583
A_55_P2006	3357.5	Detected	2768.4	Detected	2958.3	Detected	3252.3	Detected	2610005L07Rik	0.968667163	0.88110201	1.1747941	1.0685956
A_55_P2017	14889.9	Detected	13770.1	Detected	16874	Detected	14423.1	Detected	Cbx3	0.96864989	1.1332514	1.04742159	1.2254087
A_66_P1245	43038.7	Detected	45500.1	Detected	26692.7	Detected	41688.9	Detected	H13	0.968637529	0.62020228	0.91623755	0.5866515
A_52_P4760	920.1	Detected	797.6	Detected	708.7	Detected	891.2	Detected	Clsn	0.968590371	0.77024236	1.11735206	0.8885406
A_51_P4433	3844.8	Detected	3980.5	Detected	3756	Detected	3723.8	Detected	Cbll1	0.968528922	0.97690387	0.93551061	0.9436001
A_55_P2059	4280	Detected	5420.4	Detected	5025.8	Detected	4145.1	Detected	Chsy1	0.968481308	1.17425234	0.76472216	0.9272009
A_55_P2108	3245.3	Detected	2866.6	Detected	3159.8	Detected	3142.9	Detected	Ubfd1	0.968446677	0.97365421	1.09638596	1.1022814

A_52_P2306	266.2	Detected	303.2	Detected	221.5	Detected	257.8	Detected	Rep15	0.968444778	0.83208114	0.85026385	0.7305409
A_55_P2112	71191.9	Detected	61865.8	Detected	80327.7	Detected	68943.9	Detected	Impdh2	0.968423374	1.1283264	1.11441055	1.2984185
A_52_P4321	2245.7	Detected	1780	Detected	2338.2	Detected	2174.7	Detected	Yipf6	0.968384023	1.04118983	1.22174157	1.3135955
A_55_P2108	338117.4	Detected	331079.2	Detected	344733.2	Detected	327426.2	Detected	Tuba1c	0.968380213	1.01956658	0.98896639	1.0412409
A_52_P4811	224.5	Detected	153	Detected	193.4	Detected	217.4	Detected	Stard5	0.968374165	0.86146993	1.42091503	1.2640523
A_52_P5586	1778.6	Detected	1986.1	Detected	1447.1	Detected	1722.3	Detected	Smek1	0.96834589	0.81361745	0.86717688	0.7286139
A_55_P2125	5917.1	Detected	4908.9	Detected	5502.2	Detected	5729.6	Detected	Cog1	0.96831218	0.92988119	1.16718613	1.1208621
A_51_P1368	5242	Detected	4745.2	Detected	5303.5	Detected	5075.7	Detected	Usp19	0.968275467	1.01173216	1.06964933	1.1176557
A_55_P2104	25332.6	Detected	21069.2	Detected	24597.5	Detected	24528.7	Detected	Mrpl27	0.968266187	0.97098205	1.16419703	1.1674625
A_51_P4542	4564.4	Detected	3875.2	Detected	3986.5	Detected	4419.4	Detected	NfkB2	0.968232407	0.87338971	1.14043146	1.0287211
A_66_P1271	629.5	Detected	613	Detected	891.7	Detected	609.5	Detected	Trmt112	0.968228753	1.41652105	0.99429038	1.4546493
A_55_P1967	29808.7	Detected	25444	Detected	29739.8	Detected	28859.6	Detected	Polr2i	0.968160302	0.99768859	1.1342399	1.1688335
A_55_P2448	219.8	Detected	233.2	Detected	141.4	Detected	212.8	Detected	Mdn1	0.968152866	0.6433121	0.91252144	0.6063465
A_51_P3840	43280.6	Detected	42399.3	Detected	46384.8	Detected	41900.4	Detected	Rad21	0.968110424	1.07172267	0.9882333	1.0939992
A_55_P2213	646.3	Detected	699.7	Detected	620.9	Detected	625.6	Detected	4933412E12Rik	0.96797153	0.96069937	0.89409747	0.8873803
A_55_P1973	129276.3	Detected	122099.5	Detected	120029.4	Detected	125132.4	Detected	Gm6756	0.967945401	0.92847181	1.02483958	0.9830458
A_51_P2554	12598.6	Detected	24062.3	Detected	20189.2	Detected	12193.6	Detected	Cyp1b1	0.967853571	1.60249552	0.50675122	0.8390387
A_55_P2060	3688.3	Detected	2512.5	Detected	3046	Detected	3569.6	Detected	Zfp553	0.967817152	0.82585473	1.42073632	1.2123383
A_51_P4970	21952.3	Detected	17806.9	Detected	20137.4	Detected	21243.6	Detected	Ppp2r2d	0.967716367	0.91732529	1.19299822	1.1308762
A_55_P2159	68.1	Detected	42.5	Detected	55.3	Detected	65.9	Detected	Tead1	0.967694567	0.81204112	1.55058824	1.3011765
A_55_P1985	708.6	Detected	793.4	Detected	740.9	Detected	685.7	Detected	Pogz	0.967682755	1.04558284	0.8642551	0.9338291
A_55_P2073	36792.6	Detected	33776.8	Detected	38687.7	Detected	35603.3	Detected	Gtf2i	0.967675565	1.05150764	1.05407558	1.1453927
A_51_P1934	2432.3	Detected	2012.1	Detected	2676.2	Detected	2353.6	Detected	Prpf40a	0.967643794	1.10027546	1.16972317	1.3300532
A_55_P1975	2158.7	Detected	1460.6	Detected	1781	Detected	2088.7	Detected	Zfp217	0.967573076	0.82503359	1.43002876	1.2193619
A_51_P3354	2741.4	Detected	2877.9	Detected	3184.6	Detected	2652.5	Detected	Csl	0.967571314	1.16166922	0.921679	1.1065708
A_55_P2121	4153	Detected	4319.8	Detected	4483	Detected	4018.1	Detected	Cul2	0.967517457	1.07946063	0.9301588	1.0377795
A_55_P1997	1286.5	Detected	1233.7	Detected	1187.3	Detected	1244.7	Detected	Rab2b	0.967508745	0.92289157	1.00891627	0.9623896
A_55_P2134	3699.5	Detected	4280.9	Detected	4313.5	Detected	3578.7	Detected	Cinp	0.967346939	1.16596837	0.83596907	1.0076152
A_55_P2105	26154.2	Detected	29904.7	Detected	27275.3	Detected	25299.1	Detected	Trim59	0.967305442	1.04286501	0.84599076	0.912074
A_55_P2201	1100.2	Detected	1030.3	Detected	1157.7	Detected	1064.2	Detected	Gm15760	0.967278677	1.05226322	1.03290304	1.1236533
A_55_P2176	299	Detected	201.4	Detected	310.1	Detected	289.2	Detected	Ralgapa2	0.96722408	1.03712375	1.43594836	1.5397219
A_55_P1977	195.2	Detected	179.8	Detected	217.2	Detected	188.8	Detected	Elk4	0.967213115	1.11270492	1.05005562	1.2080089
A_52_P5853	413.8	Detected	369.4	Detected	382.9	Detected	400.2	Detected	Cnot11	0.967133881	0.92532624	1.08337845	1.0365457
A_55_P2056	27.3	Detected	29.8	Detected	29.6	Detected	26.4	Not Detect	Cmtm2a	0.967032967	1.08424908	0.88590604	0.9932886
A_55_P2037	21.2	Detected	12.6	Not Detect	11.4	Not Detect	20.5	Not Detect	Gm1968	0.966981132	0.53773585	1.62698413	0.9047619
A_51_P1035	5751.7	Detected	5136.4	Detected	7555.2	Detected	5561.6	Detected	Cyb561d2	0.966948902	1.31355947	1.08278171	1.4709135
A_55_P1994	206018.8	Detected	198046.8	Detected	239333.3	Detected	199204.9	Detected	Eef1d	0.966925834	1.16170612	1.00584761	1.2084684
A_55_P2053	9198.9	Detected	7486.1	Detected	10507.1	Detected	8894.3	Detected	Zc3h3	0.966887345	1.14221266	1.18810863	1.4035479
A_52_P4204	104781.9	Detected	89182.5	Detected	111147.8	Detected	101310.6	Detected	Hist1h2ab	0.966871187	1.06075381	1.13599193	1.2462961
A_52_P4116	1076.2	Detected	944.1	Detected	919.6	Detected	1040.5	Detected	Ep300	0.966827727	0.85448801	1.10210783	0.9740494

A_55_P1981	14118.5	Detected	10282.7	Detected	13440.4	Detected	13648.8	Detected	Donson	0.966731593	0.95197082	1.32735566	1.3070886
A_52_P4378	1692.2	Detected	1222.9	Detected	1696.7	Detected	1635.9	Detected	Fam13c	0.966729701	1.00265926	1.33772181	1.3874397
A_52_P2273	889	Detected	711.2	Detected	846.3	Detected	859.4	Detected	Kif15	0.966704162	0.9519685	1.2083802	1.1899606
A_55_P2109	9	Not Detect	24.2	Detected	4.3	Not Detect	8.7	Not Detect	Sprr2e	0.966666667	0.47777778	0.35950413	0.177686
A_55_P2080	955.6	Detected	1010.1	Detected	484.7	Detected	923.7	Detected	Cstf2	0.966617832	0.50722059	0.91446391	0.4798535
A_51_P2951	14962.5	Detected	18859.7	Detected	9465	Detected	14462.9	Detected	Nfkbia	0.966609858	0.63258145	0.76686798	0.5018638
A_52_P5423	9630.1	Detected	10177.2	Detected	9938.6	Detected	9308.1	Detected	Lmf2	0.966563172	1.03203497	0.91460323	0.9765554
A_55_P1956	46013.3	Detected	42374.7	Detected	38145.8	Detected	44473.8	Detected	BC004004	0.966542282	0.82901683	1.04953663	0.9002022
A_52_P5376	337.1	Detected	292.3	Detected	353.9	Detected	325.8	Detected	Mettl8	0.96647879	1.04983684	1.11460828	1.2107424
A_55_P1996	261288	Detected	257617.1	Detected	293900.9	Detected	252525.9	Detected	Rps11-ps1	0.966465739	1.12481591	0.98023734	1.1408439
A_55_P2105	3485.1	Detected	3572.4	Detected	4340.4	Detected	3368.2	Detected	Tfb2m	0.966457204	1.2454162	0.94283955	1.2149815
A_52_P2039	3398.1	Detected	2803.5	Detected	3573.3	Detected	3284.1	Detected	Srek1ip1	0.966451841	1.05155822	1.17142857	1.2745853
A_52_P3675	6711.9	Detected	5946.4	Detected	7018.2	Detected	6486.7	Detected	Mrps2	0.966447653	1.04563536	1.0908617	1.1802435
A_51_P4692	696.9	Detected	714.5	Detected	870.2	Detected	673.5	Detected	Zfp647	0.966422729	1.24867269	0.94261721	1.2179146
A_55_P2212	20.8	Detected	21.7	Detected	15.1	Not Detect	20.1	Not Detect	Cd247	0.966346154	0.72596154	0.92626728	0.6958525
A_55_P2186	408429.8	Detected	384842.2	Detected	409768.9	Detected	394679.6	Detected	Rps14	0.966333994	1.00327865	1.02556217	1.0647712
A_55_P2065	16709.4	Detected	12325.8	Detected	16376	Detected	16146.4	Detected	Fbxo22	0.96630639	0.98004716	1.30996771	1.3285953
A_55_P2016	36913.6	Detected	35000.3	Detected	39256.9	Detected	35664.3	Detected	Glr3	0.966156105	1.06348067	1.01897127	1.1216161
A_55_P2333	52.9	Detected	47	Detected	48.6	Detected	51.1	Detected	A230101C19Rik	0.965973535	0.91871456	1.08723404	1.0340426
A_55_P2125	16000.5	Detected	16056.9	Detected	12902	Detected	15454.5	Detected	Arhgef2	0.965876066	0.8063498	0.96248342	0.8035175
A_51_P5101	362.2	Detected	343.3	Detected	327.4	Detected	349.8	Detected	B3gntl1	0.965764771	0.90392049	1.01893388	0.9536848
A_51_P1589	8141.6	Detected	8556.7	Detected	5931.4	Detected	7862.8	Detected	Prkaa1	0.965756117	0.72853002	0.91890565	0.6931878
A_55_P2161	18233.2	Detected	16970.7	Detected	16055.8	Detected	17607.7	Detected	Pkib	0.965694447	0.88058048	1.03753528	0.9460894
A_51_P4360	1072.2	Detected	857.1	Detected	1139.1	Detected	1035.4	Detected	Tmem167	0.965678045	1.06239508	1.20802707	1.3290165
A_55_P2180	556.3	Detected	364.8	Detected	401.3	Detected	537.2	Detected	Spryd3	0.965666008	0.72137336	1.47258772	1.1000548
A_55_P1968	7115.9	Detected	6120.8	Detected	8013.1	Detected	6870.9	Detected	Pbx3	0.965570061	1.12608384	1.12254934	1.3091589
A_55_P2160	1158.3	Detected	940.4	Detected	1229.7	Detected	1118.4	Detected	Anapc15	0.965552966	1.06164206	1.18928116	1.307635
A_52_P2397	4979.9	Detected	4917	Detected	6039.9	Detected	4808.3	Detected	Larp4	0.965541477	1.21285568	0.97789302	1.228371
A_55_P2143	1032.3	Detected	784.4	Detected	974.7	Detected	996.7	Detected	Tcf7l2	0.965513901	0.94420227	1.27065273	1.2426058
A_52_P5717	191	Detected	165	Detected	120.4	Detected	184.4	Detected	Sh2d5	0.965445026	0.63036649	1.11757576	0.729697
A_51_P1214	15373.5	Detected	15563.4	Detected	18592.5	Detected	14842.1	Detected	1110038F14Rik	0.965434026	1.20938628	0.95365409	1.1946297
A_51_P4815	7364.4	Detected	6183.9	Detected	6677.3	Detected	7109.8	Detected	Ddx42	0.965428277	0.9066998	1.14972752	1.0797878
A_55_P2042	360717.1	Detected	342039.3	Detected	350449.3	Detected	348243	Detected	Rpl6	0.965418606	0.97153503	1.01813739	1.0245878
A_51_P1465	127757.2	Detected	125427.6	Detected	159148.9	Detected	123339	Detected	Msln	0.965417213	1.24571374	0.98334816	1.2688507
A_55_P2030	508.6	Detected	406.6	Detected	615.3	Detected	491	Detected	Ccnyl1	0.965395203	1.20979158	1.20757501	1.5132809
A_52_P2112	3411	Detected	3283.7	Detected	3932.7	Detected	3292.9	Detected	Cdca2	0.965376722	1.15294635	1.00280172	1.1976429
A_52_P4366	222.3	Detected	244	Detected	174.4	Detected	214.6	Detected	Asah2	0.965362123	0.78452542	0.8795082	0.7147541
A_51_P2255	20681.4	Detected	17960.6	Detected	20504.1	Detected	19965	Detected	Gm9079	0.965360179	0.99142708	1.11159984	1.1416155
A_51_P3533	16544.6	Detected	15121.8	Detected	19089	Detected	15970.8	Detected	2410015M20Rik	0.965317989	1.15379036	1.05614411	1.2623497
A_55_P2180	15386.5	Detected	12528.3	Detected	10215	Detected	14852	Detected	Huwe1	0.965261755	0.66389367	1.18547608	0.815354

A_55_P2069	22785.7	Detected	27963.2	Detected	20843.1	Detected	21993.6	Detected	Brix1	0.965236969	0.91474477	0.78651943	0.7453761
A_66_P1228	507.3	Detected	441.4	Detected	602.9	Detected	489.6	Detected	Ado	0.965109403	1.18844865	1.10919801	1.3658813
A_51_P2038	19984.2	Detected	21455.5	Detected	19178.4	Detected	19286.8	Detected	Dynll2	0.965102431	0.95967815	0.89892102	0.8938687
A_51_P4341	7932.3	Detected	6015.5	Detected	6564.4	Detected	7655.4	Detected	Myo19	0.965092092	0.82755317	1.27261242	1.0912476
A_51_P4420	607.3	Detected	571	Detected	291.5	Detected	586.1	Detected	Slc41a3	0.965091388	0.47999341	1.02644483	0.5105079
A_52_P5510	275	Detected	310.8	Detected	509.7	Detected	265.4	Detected	Smim1	0.965090909	1.85345455	0.85392535	1.6399614
A_51_P2943	320.7	Detected	248.9	Detected	231.2	Detected	309.5	Detected	Commd8	0.965076395	0.72092298	1.24347127	0.9288871
A_55_P2051	82559	Detected	73084.3	Detected	75524.4	Detected	79672.1	Detected	Psmc2	0.965032228	0.91479306	1.09013974	1.0333875
A_51_P3461	18853.5	Detected	19080	Detected	33307.4	Detected	18194.2	Detected	Agpat4	0.965030366	1.7666428	0.95357442	1.7456709
A_52_P3717	1098	Detected	1231.2	Detected	1004.9	Detected	1059.6	Detected	Tgs1	0.965027322	0.91520947	0.86062378	0.8161956
A_55_P2080	54.3	Detected	53.1	Detected	43.5	Detected	52.4	Detected	Clnkb	0.965009208	0.80110497	0.98681733	0.819209
A_51_P1309	8149.9	Detected	6219.4	Detected	6950.4	Detected	7864.6	Detected	BC005537	0.964993436	0.85282028	1.26452712	1.1175355
A_55_P2009	413.8	Detected	515.9	Detected	345.5	Detected	399.3	Detected	Pnma2	0.964958917	0.83494442	0.77398721	0.6697034
A_66_P1344	11.4	Not Detect	8.9	Not Detect	16.9	Detected	11	Not Detect	Sntg1	0.964912281	1.48245614	1.23595506	1.8988764
A_51_P4472	541.4	Detected	549.3	Detected	508.5	Detected	522.4	Detected	Alox12b	0.9649058	0.93923162	0.95102858	0.9257236
A_51_P3614	3463.5	Detected	3028.6	Detected	2836.2	Detected	3341.9	Detected	Pou2f1	0.964891006	0.81888263	1.10344714	0.9364723
A_52_P3196	3095.7	Detected	2415.5	Detected	3555.3	Detected	2987	Detected	Gpr107	0.964886778	1.148464	1.23659698	1.4718692
A_51_P2291	11008.4	Detected	8720.1	Detected	9866.4	Detected	10621.8	Detected	Cetn3	0.964881363	0.89626104	1.21808236	1.1314549
A_66_P1095	3551.3	Detected	2817.4	Detected	3945.6	Detected	3426.5	Detected	Gm12271	0.964857939	1.11102976	1.21619223	1.4004401
A_55_P2172	711	Detected	574.9	Detected	741.1	Detected	686	Detected	Zfp57	0.964838256	1.04233474	1.193251	1.2890938
A_52_P2771	8054.1	Detected	7458.3	Detected	7067.5	Detected	7770.2	Detected	Ankrd17	0.964750872	0.87750338	1.04181918	0.947602
A_55_P2003	8391.5	Detected	8301.9	Detected	7143.2	Detected	8095.4	Detected	Bag5	0.964714294	0.85124233	0.97512618	0.8604295
A_55_P2375	421.9	Detected	312.4	Detected	255.8	Detected	407	Detected	AI225934	0.964683574	0.60630481	1.3028169	0.818822
A_51_P2493	31.1	Detected	19.7	Detected	50.2	Detected	30	Not Detect	4930417O22Rik	0.964630225	1.61414791	1.52284264	2.5482234
A_52_P1584	2211.1	Detected	437.1	Detected	2028.5	Detected	2132.6	Detected	Tshz2	0.964497309	0.91741667	4.87897506	4.6408145
A_51_P2317	5030.5	Detected	4652.6	Detected	5864.8	Detected	4851.8	Detected	Dnajc4	0.964476692	1.16584833	1.04281477	1.2605425
A_51_P1831	45	Detected	40.9	Detected	35.8	Detected	43.4	Not Detect	Olf1r531	0.964444444	0.79555556	1.06112469	0.8753056
A_55_P2181	1106.7	Detected	808	Detected	1133	Detected	1067.3	Detected	Tns3	0.964398663	1.02376434	1.32091584	1.4022277
A_55_P2039	97225.4	Detected	82938.1	Detected	110005	Detected	93763.5	Detected	Rpl7a	0.96439305	1.13144302	1.13052385	1.3263506
A_51_P2240	791.7	Detected	647	Detected	591.7	Detected	763.5	Detected	Cntrob	0.964380447	0.74737906	1.18006182	0.9145286
A_55_P2028	100377.7	Detected	81686.4	Detected	83500.1	Detected	96798.8	Detected	Myh9	0.964345666	0.83185907	1.18500509	1.0222032
A_55_P2417	39.1	Detected	30.9	Detected	28.3	Detected	37.7	Not Detect	AI447881	0.964194373	0.72378517	1.22006472	0.9158576
A_51_P2300	11979.3	Detected	14988.1	Detected	12368.8	Detected	11550.3	Detected	Pbk	0.964188225	1.03251442	0.77063137	0.8252414
A_55_P2001	29858.5	Detected	28394.1	Detected	28793.6	Detected	28789	Detected	Prps1	0.964181054	0.96433511	1.01390782	1.0140698
A_51_P1842	12680.6	Detected	12597.6	Detected	11822.7	Detected	12226.1	Detected	Dld	0.964157847	0.93234547	0.97051026	0.9384883
A_51_P2229	41.8	Detected	50.7	Detected	47.8	Detected	40.3	Not Detect	Pnmal1	0.964114833	1.14354067	0.79487179	0.9428008
A_55_P2092	1715.7	Detected	1750.2	Detected	1823.5	Detected	1654.1	Detected	Taf11	0.964096287	1.0628315	0.94509199	1.0418809
A_55_P1952	2818.1	Detected	2111.1	Detected	2893.1	Detected	2716.9	Detected	Myl6b	0.96408928	1.02661368	1.28695941	1.370423
A_66_P1209	16.7	Detected	11.8	Not Detect	13.3	Not Detect	16.1	Not Detect	Cd79a	0.964071856	0.79640719	1.36440678	1.1271186
A_55_P1960	20588.6	Detected	15335.6	Detected	16113.8	Detected	19848	Detected	Snta1	0.964028637	0.78265642	1.29424346	1.0507447

A_51_P2849	13555.1	Detected	9804.3	Detected	14852.3	Detected	13067.3	Detected	Dolk	0.964013545	1.0956983	1.33281315	1.5148761
A_55_P2045	26462.2	Detected	18125.7	Detected	25641.3	Detected	25509.5	Detected	Gm10845	0.963997702	0.96897839	1.40736634	1.4146378
A_55_P2032	982.4	Detected	760	Detected	1074.7	Detected	947	Detected	Iars2	0.963965798	1.09395358	1.24605263	1.4140789
A_66_P1180	11.1	Not Detect	8.7	Not Detect	24	Detected	10.7	Not Detect	Gm12052	0.963963964	2.16216216	1.22988506	2.7586207
A_55_P1957	82853.2	Detected	76385.6	Detected	67993.1	Detected	79862.6	Detected	Ube2s	0.963904834	0.82064543	1.04551905	0.8901298
A_55_P1966	9596.3	Detected	12766.8	Detected	9858.8	Detected	9249.8	Detected	Gemin4	0.963892334	1.02735429	0.72451985	0.7722217
A_51_P2225	33131.8	Detected	31423.7	Detected	39644.6	Detected	31933.7	Detected	Mesdc2	0.963838367	1.19657248	1.01622979	1.2616146
A_55_P2037	247500.9	Detected	249535.3	Detected	258525.3	Detected	238542.3	Detected	Hk1	0.963803768	1.04454287	0.95594611	1.036027
A_55_P2137	7848.8	Detected	5483.3	Detected	7066.5	Detected	7564.6	Detected	Gm10845	0.963790643	0.90032871	1.3795707	1.2887312
A_51_P5033	11841.8	Detected	8685	Detected	11974.9	Detected	11413	Detected	C1galt1c1	0.963789289	1.01123985	1.31410478	1.3788025
A_55_P2152	2659.4	Detected	4194	Detected	1877.7	Detected	2563	Detected	Cpe	0.963751222	0.70606152	0.61111111	0.447711
A_51_P1236	521.1	Detected	447.7	Detected	466.2	Detected	502.2	Detected	Ppwd1	0.96373057	0.89464594	1.1217333	1.0413223
A_55_P2042	12876.3	Detected	11409.8	Detected	10851.5	Detected	12409.2	Detected	Apoo	0.963724051	0.84274986	1.08759137	0.9510684
A_52_P2926	192.8	Detected	174.5	Detected	205.9	Detected	185.8	Detected	Wdr20rt	0.963692946	1.06794606	1.06475645	1.1799427
A_55_P2127	643.1	Detected	557	Detected	528.7	Detected	619.7	Detected	Map3k7	0.963613746	0.82211165	1.11256732	0.9491921
A_51_P4276	10981.8	Detected	8417.7	Detected	8815	Detected	10582.2	Detected	Cnn2	0.963612523	0.80269173	1.25713675	1.0471982
A_51_P1366	46.7	Detected	37.3	Detected	15.2	Not Detect	45	Not Detect	Krtap31-1	0.96359743	0.3254818	1.20643432	0.4075067
A_55_P2185	274.4	Detected	363	Detected	234.5	Detected	264.4	Detected	Gmps	0.963556851	0.85459184	0.72837466	0.6460055
A_55_P2008	9865.1	Detected	9329.4	Detected	11565	Detected	9505.3	Detected	Lanc12	0.963527993	1.17231452	1.01885437	1.2396296
A_51_P1497	65329	Detected	70863.3	Detected	82387.8	Detected	62942.8	Detected	Spcs1	0.963474108	1.2611214	0.88822846	1.16263
A_66_P1084	2506.5	Detected	2014.6	Detected	2778.8	Detected	2414.9	Detected	Gm19843	0.963455017	1.10863754	1.19869949	1.3793309
A_55_P2099	386747.2	Detected	339427.4	Detected	382513.9	Detected	372610.5	Detected	Hist1h2ag	0.963447182	0.98905409	1.097762	1.1269388
A_55_P2122	232.4	Detected	247.9	Detected	226.2	Detected	223.9	Detected	Wdyhv1	0.963425129	0.97332186	0.90318677	0.9124647
A_55_P2080	3145	Detected	2801.8	Detected	2672.5	Detected	3029.6	Detected	Cstf2	0.963306836	0.84976153	1.08130488	0.9538511
A_52_P4444	5744.5	Detected	3514	Detected	5448.1	Detected	5533.6	Detected	Dnlz	0.963286622	0.94840282	1.57472965	1.5503984
A_55_P2158	8900.8	Detected	5658.5	Detected	8753.7	Detected	8573.9	Detected	Ntan1	0.963272964	0.9834734	1.51522488	1.5470001
A_55_P2041	62.5	Detected	50.6	Detected	47.1	Detected	60.2	Detected	Doxl2	0.9632	0.7536	1.18972332	0.93083
A_55_P2100	19	Detected	13.1	Not Detect	16.4	Not Detect	18.3	Not Detect	Cass4	0.963157895	0.86315789	1.39694656	1.2519084
A_52_P3927	1369.7	Detected	1331.9	Detected	1380.8	Detected	1319.2	Detected	Qtrtd1	0.963130613	1.00810396	0.99046475	1.0367145
A_52_P3112	908.4	Detected	708.3	Detected	801.4	Detected	874.9	Detected	Als2	0.963121973	0.88221048	1.23521107	1.1314415
A_51_P3865	2874.8	Detected	3262.2	Detected	3268.3	Detected	2768.6	Detected	Wbscr16	0.9630583	1.13687909	0.84869107	1.0018699
A_55_P2056	56.8	Detected	61.8	Detected	49.9	Detected	54.7	Detected	Nek5	0.963028169	0.87852113	0.88511327	0.8074434
A_55_P1995	3505.3	Detected	3101.3	Detected	3032.7	Detected	3375.7	Detected	Mdc1	0.963027416	0.86517559	1.08847902	0.9778802
A_55_P2166	83752	Detected	96959.1	Detected	94156.8	Detected	80653.3	Detected	Gm5481	0.963001481	1.12423345	0.83182806	0.9710981
A_55_P2037	300	Detected	316.1	Detected	222.7	Detected	288.9	Detected	Usp54	0.963	0.74233333	0.91395128	0.7045239
A_55_P2248	329.2	Detected	261.3	Detected	250.3	Detected	317	Detected	2310043M15Rik	0.962940462	0.76032807	1.21316494	0.9579028
A_51_P1065	21.5	Detected	26.8	Detected	28.7	Detected	20.7	Not Detect	Celf3	0.962790698	1.33488372	0.77238806	1.0708955
A_66_P1368	5533.4	Detected	4386.3	Detected	3926.1	Detected	5327.3	Detected	Peg13	0.962753461	0.7095276	1.21453161	0.8950824
A_51_P2375	821.4	Detected	679.3	Detected	704.4	Detected	790.8	Detected	Ska2	0.96274653	0.85756026	1.16413956	1.0369498
A_51_P1747	1207.9	Detected	1254.7	Detected	1116.3	Detected	1162.7	Detected	Ccdc43	0.962579684	0.92416591	0.9266757	0.8896947

A_51_P3809	2303.2	Detected	2081	Detected	2106.8	Detected	2216.7	Detected	Epc1	0.962443557	0.91472734	1.06520903	1.0123979
A_52_P1637	3247	Detected	2927.7	Detected	2975.6	Detected	3125	Detected	Atp6v0a2	0.962426856	0.91641515	1.06739078	1.016361
A_55_P2132	138.3	Detected	136.9	Detected	110.7	Detected	133.1	Detected	Luzp1	0.962400578	0.80043384	0.97224251	0.8086194
A_55_P2048	19532.7	Detected	21778.5	Detected	18931.3	Detected	18797.9	Detected	Cdk1	0.962381033	0.96921061	0.86314025	0.8692656
A_51_P1425	5171.9	Detected	4773	Detected	2376.7	Detected	4976.8	Detected	Antxr2	0.96227692	0.45954098	1.04269851	0.4979468
A_55_P2154	53	Detected	170.9	Detected	213.9	Detected	51	Not Detect	Ptgis	0.962264151	4.03584906	0.29842013	1.2516091
A_51_P3459	1492.8	Detected	1838.9	Detected	1627	Detected	1436.4	Detected	Tbrg4	0.96221865	1.08989818	0.78111915	0.8847681
A_55_P2010	173109.9	Detected	166814.5	Detected	171605.8	Detected	166561.7	Detected	Rpl11	0.962173163	0.9913113	0.99848454	1.0287223
A_51_P2420	10372.5	Detected	9682.8	Detected	9361.8	Detected	9979.5	Detected	Ubr7	0.962111352	0.90255965	1.03064196	0.9668484
A_66_P1248	825.7	Detected	755.8	Detected	545.2	Detected	794.4	Detected	Tlr4	0.96209277	0.66028824	1.05107171	0.7213549
A_55_P2019	128695.7	Detected	112104.1	Detected	126190	Detected	123813.6	Detected	Rpl36a	0.962064778	0.98053004	1.10445202	1.1256502
A_55_P2158	15.8	Detected	12.9	Not Detect	12.8	Not Detect	15.2	Not Detect	Dppa4	0.962025316	0.81012658	1.17829457	0.9922481
A_55_P2171	5347.7	Detected	5276.7	Detected	5037.7	Detected	5144.5	Detected	Ptbp1	0.962002356	0.94203115	0.97494646	0.9547065
A_52_P4864	60.5	Detected	99.5	Detected	34.6	Detected	58.2	Detected	Zfp827	0.961983471	0.57190083	0.58492462	0.3477387
A_52_P3535	73.5	Detected	72.1	Detected	78.9	Detected	70.7	Detected	Fbxw13	0.961904762	1.07346939	0.98058252	1.0943135
A_52_P2575	3533	Detected	3010.6	Detected	4062.6	Detected	3398.4	Detected	0610009O20Rik	0.961902066	1.14990093	1.12881153	1.349432
A_52_P1189	2979.6	Detected	2548.6	Detected	3605.7	Detected	2865.9	Detected	Pex19	0.961840516	1.21012888	1.12449973	1.4147767
A_55_P2143	21877.9	Detected	21957.5	Detected	19794.1	Detected	21041.5	Detected	Gm8096	0.96176964	0.9047532	0.95828305	0.9014733
A_55_P2075	52.3	Detected	38.1	Detected	40	Detected	50.3	Detected	5330426L24Rik	0.961759082	0.76481836	1.32020997	1.0498688
A_51_P3255	148.8	Detected	124.8	Detected	118.1	Detected	143.1	Detected	Spert	0.961693548	0.7936828	1.14663462	0.9463141
A_55_P2098	75016	Detected	63606.5	Detected	71658.9	Detected	72140.3	Detected	Tmed2	0.961665511	0.95524821	1.13416553	1.1265971
A_51_P1735	75701.4	Detected	85642.4	Detected	81617.6	Detected	72795.7	Detected	Ahsa1	0.961616298	1.07815179	0.84999603	0.9530046
A_55_P2182	179.7	Detected	173.5	Detected	149.6	Detected	172.8	Detected	Chrn4	0.961602671	0.83249861	0.99596542	0.8622478
A_55_P1972	3069.5	Detected	3450.6	Detected	2612.6	Detected	2951.6	Detected	Gm4055	0.961589835	0.8511484	0.85538747	0.7571437
A_55_P2071	247	Detected	297.7	Detected	244.8	Detected	237.5	Detected	Gm7710	0.961538462	0.99109312	0.797783	0.8223043
A_55_P2046	940.1	Detected	956.7	Detected	852.9	Detected	903.9	Detected	Slc25a5	0.961493458	0.90724391	0.94481029	0.891502
A_55_P1997	173352.9	Detected	184598.3	Detected	160346.8	Detected	166676.9	Detected	Prpf8	0.961488963	0.92497328	0.90291677	0.8686256
A_55_P2031	14728.4	Detected	9986.7	Detected	15447.4	Detected	14160.8	Detected	Trmt2a	0.961462209	1.04881725	1.41796589	1.5467972
A_51_P2848	5929.2	Detected	6340	Detected	5630.8	Detected	5700	Detected	Polr1b	0.961343858	0.94967281	0.89905363	0.8881388
A_55_P2070	2280.6	Detected	2002.7	Detected	2348	Detected	2192.3	Detected	1700037C18Rik	0.961282119	1.02955363	1.09467219	1.1724172
A_51_P2448	400.3	Detected	371.9	Detected	377.3	Detected	384.8	Detected	Atp2a1	0.961279041	0.94254309	1.03468674	1.01452
A_51_P2000	9770.3	Detected	10008	Detected	10021.1	Detected	9391.8	Detected	Grina	0.961260146	1.02566963	0.93842926	1.001309
A_51_P2983	25417.2	Detected	19775.5	Detected	21126.5	Detected	24430.7	Detected	Dek	0.9611877	0.83118912	1.23540239	1.0683169
A_55_P2018	15689.1	Detected	14135.3	Detected	15493.6	Detected	15079.1	Detected	Fbxo7	0.961119503	0.98753912	1.06676901	1.0960928
A_52_P1860	331.6	Detected	1205.2	Detected	467.7	Detected	318.7	Detected	Spn	0.961097708	1.41043426	0.26443744	0.3880684
A_52_P4829	61338	Detected	94051.7	Detected	52782.8	Detected	58946.8	Detected	Cd164	0.96101601	0.86052366	0.62674891	0.5612105
A_51_P3342	1652.7	Detected	1204.4	Detected	1255.3	Detected	1588.2	Detected	Zfp628	0.960972953	0.75954499	1.3186649	1.0422617
A_51_P3554	55224	Detected	49465.5	Detected	40697.1	Detected	53068.5	Detected	Nisch	0.960968057	0.73694589	1.07283865	0.8227371
A_51_P3768	2366.4	Detected	2077.8	Detected	2161.9	Detected	2273.9	Detected	Det1	0.960911089	0.91358181	1.09437867	1.0404755
A_52_P4562	63289.7	Detected	54191.3	Detected	63585.8	Detected	60808.8	Detected	Cct8	0.960800889	1.00467849	1.1221137	1.1733581

A_55_P2022	297951.7	Detected	293107	Detected	304825.6	Detected	286269.4	Detected	Gm10653	0.960791296	1.02307052	0.976672	1.0399806
A_55_P2142	147.5	Detected	134.8	Detected	128	Detected	141.7	Detected	Mark4	0.960677966	0.86779661	1.05118694	0.9495549
A_55_P2070	155	Detected	135.7	Detected	133.6	Detected	148.9	Detected	Pqbp1	0.960645161	0.86193548	1.0972734	0.9845247
A_51_P5023	3973.6	Detected	3587.5	Detected	3733.3	Detected	3817.2	Detected	Tfip11	0.960640225	0.93952587	1.06402787	1.0406411
A_55_P2183	4405.2	Detected	3491.8	Detected	4664.1	Detected	4231.6	Detected	E4f1	0.960592028	1.05877145	1.2118678	1.3357294
A_51_P3696	6012.4	Detected	3716.1	Detected	5388.9	Detected	5775.3	Detected	Ptov1	0.960564833	0.89629765	1.55412933	1.4501494
A_51_P3903	3608.1	Detected	2403.4	Detected	3226.5	Detected	3465.8	Detected	Rcor3	0.96056096	0.89423796	1.44204044	1.3424732
A_55_P2219	4112.3	Detected	3067	Detected	5191	Detected	3949.9	Detected	AW061147	0.960508718	1.26231063	1.28787088	1.6925334
A_52_P4391	3634.2	Detected	3553.9	Detected	4192.2	Detected	3490.3	Detected	Prkrir	0.96040394	1.15354136	0.98210417	1.1796055
A_55_P2094	6224.9	Detected	6168.4	Detected	5753.8	Detected	5978.4	Detected	Rapgef6	0.96040097	0.92432007	0.96919785	0.9327865
A_55_P2336	4543.3	Detected	4356.5	Detected	3938.8	Detected	4362.9	Detected	Dph6	0.960293179	0.86694693	1.00146907	0.9041203
A_55_P2015	93.1	Detected	137.2	Detected	109.8	Detected	89.4	Detected	Zfp961	0.960257787	1.17937701	0.6516035	0.8002915
A_55_P2156	49911.8	Detected	51271.7	Detected	52805.6	Detected	47927.5	Detected	Skp1a	0.96024387	1.05797827	0.93477493	1.0299171
A_55_P1983	454.6	Detected	388.4	Detected	318.9	Detected	436.5	Detected	Neur14	0.960184778	0.70149582	1.1238414	0.8210608
A_55_P2136	44918.4	Detected	40647.3	Detected	46215	Detected	43126.9	Detected	Uba2	0.960116567	1.02886568	1.06100282	1.1369759
A_52_P5082	285.4	Detected	203.6	Detected	332.5	Detected	274	Detected	Rmi2	0.960056062	1.16503153	1.34577603	1.6331041
A_55_P2104	17.5	Detected	28.4	Detected	22.1	Detected	16.8	Not Detect	Defa23	0.96	1.26285714	0.5915493	0.778169
A_55_P2255	37.5	Detected	24.2	Detected	31.3	Detected	36	Not Detect	Insl5	0.96	0.83466667	1.48760331	1.2933884
A_55_P2120	207.4	Detected	150.6	Detected	131.8	Detected	199.1	Detected	Zmynd11	0.959980714	0.63548698	1.32204515	0.875166
A_51_P4847	4167.9	Detected	2807.9	Detected	3312.6	Detected	4001.1	Detected	Fam3a	0.959979846	0.79478874	1.42494391	1.1797429
A_52_P9397	82.4	Detected	40	Detected	77.5	Detected	79.1	Detected	Itgb6	0.959951456	0.94053398	1.9775	1.9375
A_52_P4403	1317.3	Detected	1045.8	Detected	1062.6	Detected	1264.5	Detected	Exoc3	0.959918014	0.80664997	1.2091222	1.0160643
A_55_P2115	5288	Detected	3523.6	Detected	6076.7	Detected	5075.9	Detected	Bckdhh	0.959890318	1.14914902	1.44054376	1.7245715
A_55_P2180	767.3	Detected	547.8	Detected	568.7	Detected	736.5	Detected	Wdsub1	0.959859247	0.74117034	1.34446878	1.0381526
A_55_P2058	124.3	Detected	87.7	Detected	167.3	Detected	119.3	Detected	Prdx4	0.959774739	1.34593725	1.36031927	1.9076397
A_51_P4887	7963.4	Detected	5250.9	Detected	8164.3	Detected	7642.1	Detected	Zfand2b	0.959652912	1.02522792	1.4553886	1.5548382
A_55_P2122	13455.7	Detected	11940	Detected	11091.8	Detected	12912.4	Detected	Nfic	0.959623059	0.8243198	1.08144054	0.9289615
A_55_P2176	719.7	Detected	685.1	Detected	695.1	Detected	690.6	Detected	Fbxw7	0.959566486	0.96581909	1.00802803	1.0145964
A_51_P3702	4103.5	Detected	3614.8	Detected	4591.5	Detected	3937.4	Detected	Capn10	0.959522359	1.11892287	1.08924422	1.2701948
A_55_P2151	67248.8	Detected	78832.3	Detected	78798.2	Detected	64524.2	Detected	Gm6570	0.959484779	1.17174135	0.81849952	0.9995674
A_66_P1187	15062.2	Detected	12752	Detected	11207.1	Detected	14451.9	Detected	Safb2	0.959481351	0.74405465	1.13330458	0.8788504
A_51_P1272	29.6	Detected	25.6	Detected	26.8	Detected	28.4	Not Detect	Hsd11b1	0.959459459	0.90540541	1.109375	1.046875
A_51_P4876	14.8	Detected	13.8	Not Detect	6.8	Not Detect	14.2	Not Detect	Ifi44	0.959459459	0.45945946	1.02898551	0.4927536
A_55_P2152	237646.5	Detected	240073.3	Detected	251895.3	Detected	228004.1	Detected	Rpl19	0.959425449	1.05995796	0.94972702	1.0492433
A_66_P1328	1144.6	Detected	831.5	Detected	1086.7	Detected	1098	Detected	Dhfr	0.959287087	0.94941464	1.32050511	1.3069152
A_55_P2177	7101.3	Detected	5826.2	Detected	4568.3	Detected	6811.5	Detected	Mafg	0.959190571	0.64330475	1.16911538	0.784096
A_52_P1387	730	Detected	557.2	Detected	690.5	Detected	700.2	Detected	Edc3	0.959178082	0.94589041	1.25664034	1.2392319
A_51_P3966	203.3	Detected	182.3	Detected	211.8	Detected	195	Detected	Ncstn	0.959173635	1.04181013	1.06966539	1.1618212
A_51_P4728	9258.2	Detected	10608.8	Detected	7242.9	Detected	8879.8	Detected	Enkd1	0.959128124	0.7823227	0.83702209	0.6827257
A_55_P2066	2717.9	Detected	2273.5	Detected	2541.3	Detected	2606.8	Detected	Akt2	0.959122852	0.93502336	1.14660216	1.117792

A_55_P2063	430.2	Detected	343	Detected	386.8	Detected	412.6	Detected	Csprs	0.959088796	0.89911669	1.20291545	1.1276968
A_55_P1987	520.5	Detected	435.2	Detected	644.8	Detected	499.2	Detected	Kifc5b	0.95907781	1.23880884	1.14705882	1.4816176
A_52_P8227	6828.8	Detected	4997	Detected	5794.3	Detected	6549.2	Detected	Lypla1	0.959055764	0.84850925	1.31062638	1.1595557
A_55_P1961	450.8	Detected	529.3	Detected	195.9	Detected	432.3	Detected	Gm13272	0.958961846	0.43456078	0.81673909	0.3701115
A_55_P2078	3095.9	Detected	3440.3	Detected	1730.4	Detected	2968.8	Detected	Morc4	0.958945702	0.55893278	0.862948	0.5029794
A_55_P1988	9274.6	Detected	6680.6	Detected	7508.5	Detected	8893.8	Detected	Aspm	0.958941626	0.80957669	1.33128761	1.123926
A_55_P1955	718	Detected	764.8	Detected	894.8	Detected	688.5	Detected	Zfp800	0.958913649	1.24623955	0.90023536	1.1699791
A_52_P3372	4466.9	Detected	4471.1	Detected	4291.7	Detected	4283.3	Detected	Alyref2	0.95889767	0.96077817	0.95799691	0.9598756
A_55_P2165	3093.8	Detected	2789.8	Detected	2505	Detected	2966.6	Detected	Rnf31	0.958885513	0.80968388	1.06337372	0.8979138
A_55_P2167	55.9	Detected	58.5	Detected	51.1	Detected	53.6	Detected	A230006K03Rik	0.958855098	0.91413238	0.91623932	0.8735043
A_55_P1965	299965.1	Detected	281064.6	Detected	300792.7	Detected	287620	Detected	Ubb	0.958844879	1.00275899	1.02332346	1.0701906
A_55_P2082	735.7	Detected	406.9	Detected	412.2	Detected	705.3	Detected	Ankrd12	0.958678809	0.56028272	1.73334972	1.0130253
A_55_P2140	338.8	Detected	269.9	Detected	373.5	Detected	324.8	Detected	1700102H20Rik	0.958677686	1.10242031	1.20340867	1.3838459
A_51_P5005	915.8	Detected	853.6	Detected	1045.1	Detected	877.9	Detected	Tmed7	0.958615418	1.14118803	1.02846767	1.224344
A_51_P3389	7575.7	Detected	7210.4	Detected	7591.2	Detected	7261.9	Detected	Prim2	0.958578085	1.00204602	1.00714246	1.0528126
A_52_P6134	5014.4	Detected	4241.1	Detected	4929.6	Detected	4806.5	Detected	4833420G17Rik	0.958539407	0.9830887	1.13331447	1.16234
A_51_P2854	1814	Detected	1298.4	Detected	1408.4	Detected	1738.5	Detected	Rnf113a1	0.958379272	0.77640573	1.33895564	1.0847197
A_55_P2069	2018.8	Detected	1645.9	Detected	1539.1	Detected	1934.7	Detected	Lrdd	0.958341589	0.76238359	1.17546631	0.9351115
A_55_P2097	60	Detected	54.3	Detected	43.9	Detected	57.5	Detected	Zdhhc22	0.958333333	0.73166667	1.05893186	0.8084715
A_52_P2204	1165.8	Detected	1295.1	Detected	1981.8	Detected	1117.1	Detected	Uhrf2	0.958226111	1.69994853	0.86255888	1.5302293
A_55_P2080	988.3	Detected	778.9	Detected	1013	Detected	947	Detected	Hspa2	0.95821107	1.02499241	1.21581718	1.3005521
A_55_P2042	166.8	Detected	164.7	Detected	177.2	Detected	159.8	Detected	Mbtd1	0.958033573	1.06235012	0.97024894	1.0758956
A_55_P2174	1002.8	Detected	678.5	Detected	587.2	Detected	960.7	Detected	Stx17	0.958017551	0.58556043	1.41591746	0.8654385
A_55_P2154	90.2	Detected	25.3	Detected	90	Detected	86.4	Detected	Mras	0.957871397	0.99778271	3.41501976	3.5573123
A_55_P2170	78.3	Detected	80.1	Detected	108	Detected	75	Detected	1700022N22Rik	0.957854406	1.37931034	0.93632959	1.3483146
A_52_P3303	26201.3	Detected	28833.3	Detected	26412.9	Detected	25094.4	Detected	Farp1	0.957754005	1.00807594	0.87032702	0.9160554
A_55_P2018	14666.9	Detected	11025.5	Detected	16774.9	Detected	14046.2	Detected	Morf4l1	0.957680219	1.14372499	1.27397397	1.5214639
A_66_P1358	18.9	Detected	20.3	Detected	15.3	Not Detect	18.1	Not Detect	Olf671	0.957671958	0.80952381	0.89162562	0.7536946
A_52_P1946	719.4	Detected	639.4	Detected	574.7	Detected	688.9	Detected	Zranb1	0.957603559	0.79886016	1.07741633	0.8988114
A_55_P2078	18799.9	Detected	18005	Detected	16298.4	Detected	18002.6	Detected	BC004004	0.9575902	0.86694078	0.9998667	0.9052152
A_55_P2151	377	Detected	355.1	Detected	217.9	Detected	361	Detected	Pwwp2a	0.957559682	0.57798408	1.01661504	0.61363
A_55_P1983	150121.2	Detected	137346.2	Detected	145214	Detected	143749.5	Detected	Birc5	0.957556295	0.96731175	1.0466216	1.0572844
A_55_P1970	127.1	Detected	155.2	Detected	126.1	Detected	121.7	Detected	Teddm1	0.957513769	0.99213218	0.78414948	0.8125
A_52_P5438	4925.6	Detected	4730	Detected	4573.2	Detected	4716.2	Detected	Srsf6	0.957487413	0.92845542	0.99708245	0.9668499
A_52_P4868	5289.4	Detected	4795.7	Detected	5645.4	Detected	5064.4	Detected	Bzw1	0.957462094	1.06730442	1.05602936	1.1771796
A_52_P2516	18.8	Detected	18.6	Detected	20	Detected	18	Not Detect	Prodh2	0.957446809	1.06382979	0.96774194	1.0752688
A_51_P2234	2454.4	Detected	3471.9	Detected	2069.8	Detected	2349.9	Detected	Polr3d	0.957423403	0.84330183	0.67683401	0.5961577
A_55_P2167	840.7	Detected	823.3	Detected	827.2	Detected	804.9	Detected	U2af2	0.957416439	0.98394195	0.97765092	1.004737
A_52_P1662	218.1	Detected	183.8	Detected	224.7	Detected	208.8	Detected	Irak4	0.95735901	1.03026135	1.13601741	1.2225245
A_55_P1993	38451.2	Detected	35173.3	Detected	32729.9	Detected	36810.1	Detected	LOC100505064	0.957319928	0.8512062	1.0465353	0.9305325

A_55_P2205	32.8 Detected	34 Detected	37.5 Detected	31.4 Not Detect	Hnf1a	0.957317073	1.14329268	0.92352941	1.1029412
A_51_P2535	2543.5 Detected	2587.8 Detected	2617.3 Detected	2434.9 Detected	Atf6b	0.957302929	1.02901514	0.94091506	1.0113996
A_55_P2042	173.3 Detected	138.7 Detected	177.7 Detected	165.9 Detected	Mbtd1	0.957299481	1.0253895	1.19610671	1.2811824
A_55_P1993	5533.4 Detected	4285.3 Detected	5992 Detected	5297.1 Detected	Ndr3	0.957295695	1.08287852	1.23610949	1.3982685
A_55_P1986	490.3 Detected	401.9 Detected	506.2 Detected	469.3 Detected	1700055N04Rik	0.95716908	1.03242913	1.16770341	1.2595173
A_51_P3788	7852.7 Detected	8482.5 Detected	8562.5 Detected	7516.2 Detected	Actr8	0.957148497	1.09038929	0.88608311	1.0094312
A_52_P4795	16869.8 Detected	14043.4 Detected	13287.8 Detected	16146.3 Detected	Npepps	0.95711271	0.7876679	1.14974294	0.9461954
A_55_P1984	1370.8 Detected	1139 Detected	1162 Detected	1312 Detected	Depdc5	0.95710534	0.84768019	1.15188762	1.0201932
A_51_P3907	2766.9 Detected	2701.5 Detected	2037.6 Detected	2648.2 Detected	Tgfb1	0.957100004	0.73641982	0.98027022	0.7542476
A_55_P2141	403 Detected	363.4 Detected	442.3 Detected	385.7 Detected	Tmem69	0.95707196	1.09751861	1.06136489	1.2171161
A_55_P2044	6776.7 Detected	7448.8 Detected	6708.1 Detected	6485.4 Detected	Fgfr1op	0.957014476	0.98987708	0.87066373	0.9005612
A_52_P2791	1284.4 Detected	1255.5 Detected	1066.2 Detected	1228.8 Detected	Srp54a	0.956711305	0.83011523	0.97873357	0.8492234
A_55_P2052	99.3 Detected	87 Detected	89.3 Detected	95 Detected	Ankrd23	0.956696878	0.89929507	1.09195402	1.0264368
A_51_P2480	6800.3 Detected	3078.1 Detected	5080.2 Detected	6505.8 Detected	Lamb2	0.956693087	0.74705528	2.11357656	1.6504337
A_55_P2017	75214.6 Detected	93219.2 Detected	92359 Detected	71957.2 Detected	Hnrnpa2b1	0.956691919	1.22793979	0.77191394	0.9907723
A_52_P8220	5238.3 Detected	4784.1 Detected	4102.9 Detected	5011.2 Detected	Wnk1	0.95664624	0.78325029	1.04746974	0.8576117
A_55_P2028	21837.3 Detected	22140.3 Detected	24807 Detected	20890.4 Detected	Gm15466	0.956638412	1.13599209	0.94354638	1.1204455
A_55_P2064	289491.9 Detected	266719.8 Detected	289989.9 Detected	276923.9 Detected	Tuba1c	0.956586005	1.00172026	1.03825775	1.0872455
A_51_P2036	11.5 Not Detect	17.4 Not Detect	24.2 Detected	11 Not Detect	Atp8b5	0.956521739	2.10434783	0.63218391	1.3908046
A_55_P1960	16.1 Detected	176.3 Detected	3 Not Detect	15.4 Not Detect	Epb4.1l3	0.956521739	0.1863354	0.08735111	0.0170164
A_52_P4885	423.1 Detected	381.6 Detected	255.4 Detected	404.7 Detected	Ap1s2	0.956511463	0.6036398	1.06053459	0.6692872
A_55_P2137	19622.7 Detected	15105.5 Detected	22109 Detected	18767.8 Detected	Bax	0.956433111	1.1267053	1.24244811	1.4636391
A_55_P2001	3006.5 Detected	2484 Detected	3504.2 Detected	2875.5 Detected	Blvra	0.95642774	1.16554133	1.1576087	1.4107085
A_55_P1969	24356.8 Detected	29029 Detected	28800.1 Detected	23294.9 Detected	Pdhd	0.956402319	1.18242544	0.80246994	0.9921148
A_55_P2346	84.7 Detected	69.8 Detected	73.3 Detected	81 Detected	C630007K24Rik	0.956316411	0.86540732	1.16045845	1.0501433
A_52_P8043	12489.5 Detected	12364.1 Detected	11901.6 Detected	11943.9 Detected	Srsf2	0.956315305	0.95292846	0.96601451	0.9625933
A_55_P2208	1432 Detected	951.4 Detected	1246.7 Detected	1369.4 Detected	Nbeal1	0.956284916	0.87060056	1.43935253	1.3103847
A_55_P2156	66930.8 Detected	75442.2 Detected	55037.5 Compromis	64001.4 Detected	Rpl26	0.956232407	0.82230453	0.84835013	0.729532
A_55_P1954	603 Detected	503.7 Detected	470 Detected	576.6 Detected	Zfp446	0.956218905	0.77943615	1.14472901	0.9330951
A_55_P2104	152128.6 Detected	163920.2 Detected	165018.4 Detected	145468.1 Detected	Rpl30	0.956217963	1.08472963	0.88743242	1.0066996
A_55_P2419	84.5 Detected	67.9 Detected	87.6 Detected	80.8 Detected	Ptpn4	0.956213018	1.03668639	1.18998527	1.2901325
A_55_P1970	4297.2 Detected	3769.8 Detected	3403.2 Detected	4108.9 Detected	Rnf11	0.956180769	0.79195755	1.08995172	0.9027535
A_55_P2092	312.1 Detected	197.3 Detected	371.4 Detected	298.4 Detected	BC053393	0.956103813	1.1900032	1.51241764	1.8824126
A_55_P1963	188.8 Detected	181.1 Detected	230.3 Detected	180.5 Detected	Lrrc16a	0.956038136	1.21980932	0.99668691	1.2716731
A_51_P3318	2214.8 Detected	2164.4 Detected	1510.2 Detected	2117.4 Detected	Rnf145	0.956023117	0.68186744	0.97828498	0.6977453
A_55_P1970	486.5 Detected	478.8 Detected	501.6 Detected	465.1 Detected	Eif3j1	0.956012333	1.03103803	0.9713868	1.047619
A_55_P2165	37759.8 Detected	25649.5 Detected	34267.1 Detected	36096.5 Detected	Nde1	0.955950508	0.90750216	1.40729839	1.3359754
A_55_P2028	11659.1 Detected	12134.1 Detected	13234.1 Detected	11145.2 Detected	Dusp12	0.955922841	1.13508761	0.9185024	1.0906536
A_55_P2048	2188.1 Detected	1760.5 Detected	2486 Detected	2091.6 Detected	Ubr3	0.955897811	1.13614551	1.18807157	1.4120988
A_52_P2903	27.2 Detected	25.9 Detected	31.6 Detected	26 Not Detect	Gltsr1l	0.955882353	1.16176471	1.003861	1.2200772

A_55_P2178	16002.1	Detected	13852.7	Detected	15057.2	Detected	15295.7	Detected	Derl2	0.955855794	0.9409515	1.10416742	1.0869506
A_51_P1206	804.5	Detected	679	Detected	901.3	Detected	768.9	Detected	Rabl3	0.955748912	1.12032318	1.13240059	1.3273932
A_51_P1064	22722	Detected	18577.2	Detected	26764.4	Detected	21715.8	Detected	Nsmce4a	0.955716926	1.17790687	1.16894903	1.4407123
A_51_P1394	2427.8	Detected	1590.9	Detected	1818	Detected	2320.2	Detected	Taf1	0.95568004	0.7488261	1.45841976	1.1427494
A_51_P3107	24.8	Detected	14.9	Not Detect	16.9	Detected	23.7	Not Detect	Olfir791	0.955645161	0.68145161	1.59060403	1.1342282
A_52_P8598	22936	Detected	22376.2	Detected	22252.8	Detected	21917.8	Detected	Mrpl45	0.955606906	0.97021277	0.97951395	0.9944852
A_55_P2146	351	Detected	291.7	Detected	344	Detected	335.4	Detected	Map2k5	0.955555556	0.98005698	1.14981145	1.1792938
A_51_P1855	2814.6	Detected	2141	Detected	2250.3	Detected	2689.5	Detected	Mapre1	0.955553187	0.7995097	1.2561887	1.0510509
A_55_P2002	21802	Detected	17076.8	Detected	19007.5	Detected	20831.6	Detected	Aifm1	0.955490322	0.87182369	1.21987726	1.1130598
A_55_P2009	18343.9	Detected	14499	Detected	15735.4	Detected	17527.2	Detected	Zmiz1	0.955478388	0.85780014	1.20885578	1.0852748
A_51_P1304	129670	Detected	124827.9	Detected	127573.9	Detected	123868.6	Detected	Psmd3	0.955260276	0.98383512	0.99231502	1.0219983
A_55_P2061	50342	Detected	43592.1	Detected	38473	Detected	48089	Detected	Chd3	0.955246117	0.76423265	1.1031586	0.8825682
A_55_P2176	75.8	Detected	56	Detected	73.5	Detected	72.4	Detected	Epha10	0.955145119	0.96965699	1.29285714	1.3125
A_52_P5958	131.5	Detected	94.7	Detected	102.3	Detected	125.6	Detected	Cpeb4	0.95513308	0.77794677	1.32629356	1.0802534
A_55_P2059	15618.4	Detected	16972.2	Detected	14681.9	Detected	14917.6	Detected	Ormdl3	0.955129847	0.94003867	0.87894321	0.8650558
A_55_P2110	619.4	Detected	967.1	Detected	354.3	Detected	591.6	Detected	Arhgap29	0.955117856	0.57200517	0.61172578	0.366353
A_52_P4207	1186.9	Detected	1031.6	Detected	1023.1	Detected	1133.6	Detected	Pja2	0.9550931	0.86199343	1.09887553	0.9917604
A_55_P2091	8.9	Not Detect	3	Not Detect	57.1	Detected	8.5	Not Detect	Bnpl	0.95505618	6.41573034	2.83333333	19.033333
A_51_P3466	20	Detected	57.1	Detected	9.7	Not Detect	19.1	Not Detect	Irf5	0.955	0.485	0.33450088	0.1698774
A_55_P1983	12912.4	Detected	12280.4	Detected	12800.3	Detected	12330.3	Detected	Birc5	0.954919302	0.99131842	1.00406339	1.0423358
A_51_P3395	50555.2	Detected	54908.2	Detected	48124.3	Detected	48272.9	Detected	Cct4	0.954855287	0.95191593	0.87915648	0.8764501
A_51_P1024	2295	Detected	2453.7	Detected	1594.5	Detected	2191.3	Detected	Clef1	0.954814815	0.69477124	0.89305946	0.6498349
A_55_P1972	5391.4	Detected	4003.7	Detected	5175.6	Detected	5147.7	Detected	Phka1	0.954798383	0.95997329	1.28573569	1.2927042
A_55_P1988	16083.8	Detected	15539.5	Detected	12382.9	Detected	15356.7	Detected	Lrrc47	0.954793022	0.7698989	0.98823643	0.7968661
A_55_P1981	1501.6	Detected	1358.6	Detected	1479.1	Detected	1433.7	Detected	Xrcc4	0.954781566	0.98501598	1.05527749	1.0886942
A_55_P2003	698	Detected	784.2	Detected	885.9	Detected	666.4	Detected	Tmem194	0.954727794	1.26919771	0.84978322	1.1296863
A_55_P2122	2195.9	Detected	2103.2	Detected	2089.3	Detected	2096.4	Detected	Arhgef3	0.954688283	0.95145498	0.99676683	0.993391
A_52_P5821	12722.4	Detected	10361.7	Detected	11320.4	Detected	12145.2	Detected	Gosr2	0.954631202	0.88980067	1.17212427	1.0925234
A_55_P2059	27051.4	Detected	25116.9	Detected	30981.9	Detected	25818.9	Detected	Fdx1	0.954438587	1.14529747	1.02794931	1.2335081
A_51_P3147	103.1	Detected	81.5	Detected	89.9	Detected	98.4	Detected	Cyth1	0.954413191	0.87196896	1.20736196	1.1030675
A_52_P4515	5439.5	Detected	5071.3	Detected	4228.1	Detected	5191.3	Detected	Xpr1	0.954370806	0.77729571	1.02366257	0.833731
A_55_P2043	4674.3	Detected	4562.2	Detected	4557.2	Detected	4460.9	Detected	Cdc42se1	0.954346105	0.97494812	0.9777958	0.998904
A_51_P4640	44362.9	Detected	36290.1	Detected	54366.8	Detected	42336.5	Detected	Fads3	0.954322193	1.22550149	1.16661293	1.4981166
A_55_P2030	32923.3	Detected	37210	Detected	32775.5	Detected	31417.8	Detected	Trim59	0.954272506	0.99551078	0.84433754	0.880825
A_51_P2142	50.2	Detected	52.1	Detected	128.4	Detected	47.9	Detected	Epha1	0.954183267	2.55776892	0.9193858	2.4644914
A_55_P1995	32.7	Detected	496.7	Detected	18.5	Detected	31.2	Not Detect	Mpo	0.95412844	0.56574924	0.06281458	0.0372458
A_55_P2129	77661.6	Detected	70874.5	Detected	99327.6	Detected	74096.7	Detected	Ppap2c	0.954097005	1.27897957	1.04546346	1.4014575
A_55_P2052	328.4	Detected	345.8	Detected	453.4	Detected	313.3	Detected	Pih1d2	0.954019488	1.38063337	0.90601504	1.3111625
A_66_P1257	180.5	Detected	171.8	Detected	164.7	Detected	172.2	Detected	Ripply2	0.95401662	0.91246537	1.00232829	0.9586729
A_51_P4539	10787.9	Detected	11607.6	Detected	9683.7	Detected	10291.6	Detected	Drg1	0.953994753	0.89764458	0.886626	0.8342551

A_51_P2606	23836.9	Detected	12675.4	Detected	23362.8	Detected	22739.8	Detected	Amdhd2	0.95397472	0.98011067	1.79401045	1.8431608
A_55_P2032	28277.8	Detected	22817.6	Detected	25976.7	Detected	26974.9	Detected	Tpm1	0.953924987	0.91862521	1.18219708	1.1384501
A_51_P3289	4736.3	Detected	3950.9	Detected	5102.9	Detected	4517.9	Detected	Zfp322a	0.953888056	1.07740219	1.1435116	1.2915791
A_55_P1977	6785.9	Detected	6698.5	Detected	6181.8	Detected	6472.8	Detected	Arglu1	0.95386021	0.91097717	0.96630589	0.9228633
A_55_P2037	112.7	Detected	106.6	Detected	97.6	Detected	107.5	Detected	Sp110	0.953859805	0.86601597	1.00844278	0.9155722
A_55_P1960	5026.9	Detected	4078.4	Detected	4522.2	Detected	4794.9	Detected	Setd1a	0.953848296	0.89960015	1.17568164	1.1088172
A_55_P2027	13	Not Detect	9.1	Not Detect	17.4	Detected	12.4	Not Detect	Gpr156	0.953846154	1.33846154	1.36263736	1.9120879
A_55_P2135	454721.7	Detected	421986.2	Detected	450343.5	Detected	433711.9	Detected	Rplp0	0.953796355	0.99037169	1.02778693	1.0671996
A_55_P2153	49.7	Detected	40.5	Detected	44.1	Detected	47.4	Not Detect	Mlxip	0.953722334	0.88732394	1.17037037	1.0888889
A_66_P1007	11296	Detected	12716.4	Detected	12343.7	Detected	10773	Detected	Kansl2	0.953700425	1.09274965	0.84717373	0.9706914
A_52_P3681	1544.2	Detected	2017.5	Detected	1791.6	Detected	1472.7	Detected	Nudcd1	0.953697708	1.16021241	0.72996283	0.8880297
A_55_P2046	155400.8	Detected	178795.9	Detected	149370.5	Detected	148201.3	Detected	Eif4a1	0.95367141	0.96119518	0.82888534	0.8354246
A_52_P9674	483.1	Detected	377.1	Detected	645.4	Detected	460.7	Detected	Ttc30b	0.953632788	1.33595529	1.22169186	1.7114824
A_55_P2070	40975.6	Detected	36845.8	Detected	43042.5	Detected	39075.2	Detected	Preb	0.953621179	1.05044221	1.06050622	1.1681793
A_55_P2059	90791.5	Detected	81381.8	Detected	98570.7	Detected	86579	Detected	H3f3b	0.953602485	1.08568203	1.06386194	1.2112131
A_51_P3012	22789.3	Detected	18097.4	Detected	19175.2	Detected	21731.9	Detected	Araf	0.953601032	0.84141242	1.20082995	1.0595555
A_66_P1287	122421.8	Detected	114138.7	Detected	138734.6	Detected	116737.8	Detected	Gm13981	0.953570361	1.13325078	1.02277142	1.2154913
A_55_P2077	7040.7	Detected	4228.6	Detected	4340.6	Detected	6713.6	Detected	Acap3	0.953541551	0.6165012	1.58766495	1.0264863
A_55_P2076	225.9	Detected	169	Detected	179.9	Detected	215.4	Detected	Cad	0.953519256	0.79637008	1.27455621	1.064497
A_52_P1720	8.6	Not Detect	25.5	Detected	11.9	Not Detect	8.2	Not Detect	Ramp1	0.953488372	1.38372093	0.32156863	0.4666667
A_51_P4003	34365.4	Detected	30170.2	Detected	35070.7	Detected	32766.6	Detected	0610007P14Rik	0.953476462	1.02052355	1.08605843	1.1624285
A_55_P2253	846	Detected	947.9	Detected	817.5	Detected	806.6	Detected	1700052N19Rik	0.953427896	0.96631206	0.85093364	0.8624327
A_52_P3758	31484.5	Detected	29729.6	Detected	26421.6	Detected	30017.1	Detected	Arf3	0.953392939	0.83919389	1.0096705	0.8887304
A_52_P6710	765.7	Detected	630.9	Detected	646.9	Detected	730	Detected	Uba6	0.953375996	0.84484785	1.15707719	1.0253606
A_52_P5102	178	Detected	189.8	Detected	187.6	Detected	169.7	Detected	Gna15	0.953370787	1.05393258	0.89409905	0.9884089
A_51_P3540	4950.1	Detected	4165.5	Detected	4101.3	Detected	4718.8	Detected	Svil	0.953273671	0.82852872	1.13282919	0.9845877
A_51_P2210	57.7	Detected	189	Detected	68.4	Detected	55	Detected	Slc16a12	0.953206239	1.18544194	0.29100529	0.3619048
A_51_P3316	7376.2	Detected	7061	Detected	6424.4	Detected	7030.9	Detected	Ubiad1	0.953187278	0.87096337	0.99573715	0.9098428
A_55_P1999	8912.9	Detected	8957.4	Detected	6693.3	Detected	8495.2	Detected	Sec24b	0.953135343	0.7509677	0.94840021	0.7472369
A_51_P3714	950.9	Detected	759.1	Detected	1109.4	Detected	906.3	Detected	Fam175b	0.953097066	1.16668419	1.19391385	1.4614675
A_65_P2064	3925.2	Detected	2779.5	Detected	3554	Detected	3741	Detected	Fads2	0.953072455	0.90543157	1.34592553	1.2786472
A_55_P2028	635	Detected	573.9	Detected	624.6	Detected	605.2	Detected	Tcf20	0.953070866	0.98362205	1.05453912	1.0883429
A_51_P5104	313.2	Detected	280.7	Detected	243.8	Detected	298.5	Detected	Slc25a15	0.953065134	0.77841635	1.0634129	0.8685429
A_52_P3004	1399.2	Detected	1514.7	Detected	1374.8	Detected	1333.5	Detected	Dcp1a	0.953044597	0.98256146	0.88037235	0.9076385
A_55_P2202	572.1	Detected	708.9	Detected	768	Detected	545.2	Detected	BC028789	0.952980248	1.34242265	0.76907885	1.0833686
A_55_P2022	87	Detected	87.8	Detected	64.7	Detected	82.9	Detected	Slc38a6	0.952873563	0.74367816	0.94419134	0.7369021
A_51_P5166	90672.7	Detected	87783	Detected	104026.5	Detected	86397.9	Detected	Ndufb10	0.952854608	1.14727476	0.98422132	1.1850415
A_55_P2074	29069.6	Detected	25837.3	Detected	36593.4	Detected	27695.9	Detected	Fh1	0.952744448	1.25882021	1.07193476	1.4163012
A_55_P2031	10254.9	Detected	8909.4	Detected	9601.2	Detected	9769.5	Detected	Pithd1	0.95266653	0.93625486	1.09653849	1.0776483
A_55_P2005	12361.9	Detected	11991.2	Detected	11651.8	Detected	11776.2	Detected	Ipo11	0.952620552	0.94255737	0.98207018	0.9716959

A_66_P1144	21.1	Detected	43.6	Detected	19.2	Detected	20.1	Not Detect	Gm7978	0.952606635	0.90995261	0.46100917	0.440367
A_51_P3194	1194.2	Detected	964.6	Detected	961.7	Detected	1137.6	Detected	Zfp143	0.952604254	0.80530899	1.17934895	0.9969936
A_55_P2021	17258.7	Detected	16117.4	Detected	13834.8	Detected	16440.6	Detected	Crlf3	0.95259782	0.8016131	1.02005286	0.8583767
A_51_P5053	23262.1	Detected	15355.1	Detected	20489.8	Detected	22159.1	Detected	Mpnd	0.952583817	0.88082331	1.44311011	1.334397
A_55_P2152	376522.6	Detected	347317.9	Detected	358368	Detected	358656.2	Detected	LOC100045367	0.952548931	0.95178351	1.03264531	1.0318155
A_55_P2134	3087.9	Detected	3153.7	Detected	2948.7	Detected	2941.2	Detected	Cinp	0.952491985	0.95492082	0.93261883	0.934997
A_66_P1334	2758.7	Detected	2299.2	Detected	2275.1	Detected	2627.6	Detected	2810417H13Rik	0.952477616	0.82470004	1.14283229	0.9895181
A_55_P2039	177918.7	Detected	177355.6	Detected	149905.6	Detected	169456.5	Detected	ND2	0.952437827	0.84255112	0.9554618	0.8452262
A_52_P1296	216.5	Detected	144.6	Detected	215.1	Detected	206.2	Detected	Stradb	0.952424942	0.99353349	1.42600277	1.4875519
A_55_P1978	16.8	Detected	5.3	Not Detect	22.3	Detected	16	Not Detect	Micalcl	0.952380952	1.32738095	3.01886792	4.2075472
A_66_P1172	11594.7	Detected	11914.7	Detected	13958.1	Detected	11041.7	Detected	Snx6	0.952305795	1.20383451	0.92672917	1.1715024
A_51_P4858	21015.2	Detected	19097.9	Detected	19683.7	Detected	20009.6	Detected	Srsf1	0.952148921	0.9366411	1.04773823	1.0306735
A_55_P2086	18.8	Detected	20.8	Detected	24.5	Detected	17.9	Not Detect	Gpr137c	0.95212766	1.30319149	0.86057692	1.1778846
A_55_P2064	16.7	Detected	78.6	Detected	24.5	Detected	15.9	Not Detect	Dnaic2	0.952095808	1.46706587	0.20229008	0.3117048
A_52_P4174	1380.6	Detected	2519.6	Detected	914	Detected	1314.3	Detected	Gab1	0.951977401	0.662031	0.52163042	0.362756
A_55_P2098	122676.5	Detected	113901	Detected	136192.2	Detected	116783.2	Detected	Rps19	0.951960644	1.11017351	1.02530443	1.1957068
A_52_P1993	60.3	Detected	45.8	Detected	50.4	Detected	57.4	Detected	A830010M20Rik	0.951907131	0.8358209	1.25327511	1.1004367
A_55_P1961	315043.6	Detected	289455.6	Detected	303887.3	Detected	299882.2	Detected	Rpl23	0.951875233	0.96458808	1.03602141	1.0498581
A_55_P1963	180466.8	Detected	200608.5	Detected	199987.3	Detected	171780.6	Detected	Gm6109	0.951868155	1.10816671	0.85629771	0.9969034
A_55_P2068	17543.4	Detected	16516.4	Detected	13860.4	Detected	16698.7	Detected	Nufip2	0.951850838	0.7900635	1.01103751	0.8391901
A_51_P1982	1063.7	Detected	974.6	Detected	1051	Detected	1012.4	Detected	Mrps2	0.951772116	0.98806054	1.03878514	1.0783911
A_55_P2038	219378.5	Detected	205461.7	Detected	241023.3	Detected	208781.5	Detected	Ubb	0.951695358	1.09866418	1.01615776	1.1730814
A_52_P6373	1068	Detected	743.8	Detected	935.8	Detected	1016.4	Detected	Zbtb43	0.951685393	0.87621723	1.36649637	1.2581339
A_55_P2030	193345.5	Detected	188617.8	Detected	193571.8	Detected	183986	Detected	Rpl3	0.951591839	1.00117044	0.97544346	1.0262648
A_55_P2070	163.1	Detected	207.1	Detected	143.1	Detected	155.2	Detected	Sp6	0.951563458	0.87737584	0.74939643	0.6909705
A_55_P2034	7776.4	Detected	6826.6	Detected	5428.4	Detected	7399.4	Detected	Socs7	0.951519984	0.6980608	1.08390707	0.7951835
A_55_P2283	16.5	Detected	18.6	Detected	12.5	Not Detect	15.7	Not Detect	Gm10732	0.951515152	0.75757576	0.84408602	0.672043
A_55_P2222	33	Detected	37.9	Detected	29.8	Detected	31.4	Not Detect	B930018H19Rik	0.951515152	0.9030303	0.82849604	0.7862797
A_51_P3294	7235.1	Detected	7711.5	Detected	5344.1	Detected	6884.1	Detected	Pomgnt1	0.951486503	0.73863526	0.8927057	0.693004
A_52_P4058	259.3	Detected	295.6	Detected	274	Detected	246.7	Detected	Zfp938	0.951407636	1.05669109	0.83457375	0.9269283
A_55_P2144	176353	Detected	192167.9	Detected	198960.9	Detected	167740.2	Detected	Psmb5	0.951161591	1.12819686	0.87288356	1.0353493
A_55_P2104	26.6	Detected	45.2	Detected	32	Detected	25.3	Not Detect	5430425K12Rik	0.95112782	1.20300752	0.55973451	0.7079646
A_66_P1034	5745.4	Detected	4773.6	Detected	5902.6	Detected	5464.4	Detected	Srsf1	0.951091308	1.02736102	1.14471259	1.2365091
A_55_P2185	18.4	Detected	20.4	Detected	29.9	Detected	17.5	Not Detect	Gm5258	0.951086957	1.625	0.85784314	1.4656863
A_55_P2035	10684.9	Detected	8224.1	Detected	8611.6	Detected	10162.2	Detected	Uxt	0.951080497	0.80595981	1.23566104	1.0471176
A_51_P1153	54260.8	Detected	41014.3	Detected	54235.3	Detected	51605.3	Detected	Surf4	0.951060434	0.99953005	1.25822701	1.322351
A_66_P1393	19643.3	Detected	15199.5	Detected	17499.7	Detected	18681.6	Detected	Cog1	0.951041831	0.89087373	1.22909306	1.1513339
A_55_P1952	201645.3	Detected	215955.9	Detected	219362.6	Detected	191767.1	Detected	Rpl30	0.951012	1.08786369	0.88799195	1.015775
A_66_P1306	1222.5	Detected	896.2	Detected	1047.9	Detected	1162.6	Detected	Pdzd8	0.951002045	0.85717791	1.29725508	1.1692703
A_52_P4392	279.5	Detected	259	Detected	213.9	Detected	265.8	Detected	Itgb1bp1	0.9509839	0.76529517	1.02625483	0.8258687

A_55_P1983	58445.3	Detected	43761	Detected	44718.4	Detected	55580.5	Detected	Flot2	0.950983227	0.76513253	1.27009209	1.0218779
A_51_P3538	2250.3	Detected	2522.6	Detected	2420	Detected	2139.8	Detected	Ubac2	0.950895436	1.07541217	0.8482518	0.9593277
A_55_P2140	928.1	Detected	720.3	Detected	830.2	Detected	882.5	Detected	Arl5b	0.950867363	0.89451568	1.22518395	1.1525753
A_55_P2061	323.5	Detected	459.2	Detected	886.9	Detected	307.6	Detected	Fads6	0.950850077	2.74157651	0.66986063	1.9314024
A_52_P1088	103.5	Detected	100	Detected	76.1	Detected	98.4	Detected	St8sia1	0.950724638	0.7352657	0.984	0.761
A_51_P3333	29339.1	Detected	25028.1	Detected	20488.2	Detected	27892.6	Detected	Tmem120a	0.950697192	0.69832408	1.11445136	0.8186079
A_55_P2448	2163.3	Detected	1975.8	Detected	1938.5	Detected	2056.5	Detected	Sfxn2	0.95063098	0.89608469	1.04084422	0.9811216
A_55_P2024	255099.2	Detected	229637.4	Detected	282612	Detected	242494.5	Detected	Rpl7a	0.950589026	1.10785138	1.0559887	1.230688
A_55_P2024	37142.5	Detected	54310	Detected	27517.4	Detected	35304.3	Detected	Cpe	0.950509524	0.7408602	0.65005156	0.5066728
A_55_P1979	11219.3	Detected	9976.3	Detected	10292.6	Detected	10664	Detected	Crcp	0.950504933	0.91740126	1.06893337	1.0317051
A_52_P2900	314.8	Detected	335.5	Detected	380.5	Detected	299.2	Detected	Memo1	0.950444727	1.20870394	0.89180328	1.1341282
A_52_P1237	945	Detected	787.3	Detected	950.6	Detected	898.1	Detected	Rnf41	0.95037037	1.00592593	1.14073415	1.2074178
A_55_P1983	116.8	Detected	84	Detected	96.3	Detected	111	Detected	4930444P10Rik	0.950342466	0.8244863	1.32142857	1.1464286
A_55_P1952	30.2	Detected	37.6	Detected	29.8	Detected	28.7	Not Detect	C030016D13Rik	0.950331126	0.98675497	0.76329787	0.7925532
A_51_P1596	1085	Detected	950.8	Detected	805.4	Detected	1031.1	Detected	Ccdc120	0.950322581	0.74230415	1.0844552	0.8470761
A_52_P6581	29976.5	Detected	23916.6	Detected	27367.9	Detected	28486.1	Detected	Ets2	0.950281053	0.9129785	1.19105977	1.1443056
A_55_P2054	2319.5	Detected	5060.6	Detected	2005.2	Detected	2204.1	Detected	Tcf4	0.950247898	0.86449666	0.43554124	0.3962376
A_66_P1399	46.2	Detected	43.7	Detected	41.2	Detected	43.9	Detected	Gm7894	0.95021645	0.89177489	1.00457666	0.9427918
A_55_P2086	2107.4	Detected	1899	Detected	1573.2	Detected	2002.4	Detected	Safb2	0.950175572	0.74651229	1.05444971	0.828436
A_55_P2173	86.3	Detected	131.5	Detected	85.3	Detected	82	Detected	Pkhd1	0.950173812	0.98841251	0.62357414	0.6486692
A_52_P2076	44.1	Detected	37	Detected	31.2	Detected	41.9	Not Detect	Syt12	0.950113379	0.70748299	1.13243243	0.8432432
A_51_P1371	1044.4	Detected	824.2	Detected	1203.1	Detected	992.2	Detected	Chek2	0.95001915	1.15195327	1.20383402	1.4597185
A_55_P2005	2468.9	Detected	1438.2	Detected	1392	Detected	2345.5	Detected	Meis3	0.950018227	0.56381384	1.63085802	0.9678765
A_51_P3704	3358.1	Detected	3103.4	Detected	3605.3	Detected	3189.9	Detected	Cyp20a1	0.949912153	1.07361306	1.02787266	1.1617258
A_55_P2095	1243.7	Detected	1270.2	Detected	1119.7	Detected	1181.4	Detected	Dhx37	0.949907534	0.9002975	0.93008975	0.8815147
A_66_P1227	10255.2	Detected	13715.2	Detected	10879.3	Detected	9741.4	Detected	Tsr1	0.949898588	1.06085693	0.71026307	0.7932294
A_51_P2119	8466.8	Detected	8834.7	Detected	7115.4	Detected	8042	Detected	Larp7	0.949827562	0.84038834	0.91027426	0.8053924
A_55_P2058	55.7	Detected	40.9	Detected	39.8	Detected	52.9	Detected	Fktn	0.9497307	0.71454219	1.29339853	0.9731051
A_55_P2092	7494.7	Detected	5541.6	Detected	5522.3	Detected	7117.6	Detected	Tbc1d25	0.949684444	0.73682736	1.2843944	0.9965173
A_55_P1963	208652.7	Detected	204128.3	Detected	232592.3	Detected	198151.8	Detected	Rps13	0.94967283	1.1147342	0.97072185	1.1394417
A_55_P2000	13542	Detected	12335.6	Detected	13332	Detected	12860.3	Detected	Ahcy	0.949660316	0.98449269	1.04253543	1.0807743
A_52_P6565	756.8	Detected	494.5	Detected	882	Detected	718.7	Detected	Ogt	0.949656448	1.1654334	1.45338726	1.7836198
A_55_P2042	281586	Detected	260105.1	Detected	277889.6	Detected	267409.7	Detected	Gm10653	0.949655523	0.98687293	1.02808326	1.0683743
A_52_P1704	1045.7	Detected	934.4	Detected	915.5	Detected	993	Detected	Rps6kb1	0.949603137	0.8754901	1.06271404	0.9797731
A_51_P1412	960.3	Detected	1064.1	Detected	1282.5	Detected	911.9	Detected	Zfp191	0.949599084	1.33552015	0.85696833	1.2052439
A_55_P2410	43.6	Detected	37.7	Detected	28.6	Detected	41.4	Not Detect	9330156P08Rik	0.949541284	0.6559633	1.09814324	0.7586207
A_51_P4732	7525	Detected	5610.9	Detected	7945	Detected	7144.9	Detected	Zbtb7b	0.949488372	1.05581395	1.27339642	1.4159939
A_51_P4030	2177.3	Detected	1744.6	Detected	1816.1	Detected	2067.3	Detected	Heatr5b	0.949478712	0.83410646	1.18497077	1.0409836
A_55_P2048	7960.2	Detected	4314.7	Detected	7991.6	Detected	7558	Detected	Mdfic	0.949473631	1.00394462	1.7516861	1.8521798
A_55_P2105	19752.1	Detected	17722.9	Detected	24792.8	Detected	18752.4	Detected	Wdr61	0.94938766	1.25519818	1.05808869	1.3989133

A_51_P2309	422.5	Detected	1050.1	Detected	70.5	Detected	401.1	Detected	Copz2	0.949349112	0.16686391	0.38196362	0.0671365
A_55_P1995	596.1	Detected	766.9	Detected	190.9	Detected	565.9	Detected	Prr7	0.94933736	0.32024828	0.73790585	0.2489242
A_55_P1968	247549.7	Detected	215894.8	Detected	268797	Detected	234995.2	Detected	Gm5766	0.949284931	1.08583044	1.08847087	1.2450369
A_55_P2105	1352.3	Detected	1019.4	Detected	1198.3	Detected	1283.7	Detected	2310007L24Rik	0.949271611	0.88611994	1.25927016	1.1754954
A_55_P1992	67	Detected	57.8	Detected	58.3	Detected	63.6	Detected	Zkscan2	0.949253731	0.87014925	1.10034602	1.0086505
A_55_P2033	39.4	Detected	28.2	Detected	27.2	Detected	37.4	Not Detect	Gm13298	0.949238579	0.69035533	1.32624113	0.964539
A_55_P2100	185.1	Detected	204.7	Detected	128.7	Detected	175.7	Detected	Sprtn	0.94921664	0.69529984	0.85832926	0.628725
A_55_P2041	47.2	Detected	42.4	Detected	42.1	Detected	44.8	Not Detect	Sec22a	0.949152542	0.89194915	1.05660377	0.9929245
A_55_P2013	204.5	Detected	172.3	Detected	170	Detected	194.1	Detected	1700028J19Rik	0.949144254	0.83129584	1.12652351	0.9866512
A_66_P1107	26472.8	Detected	22221.6	Detected	28094.8	Detected	25126.2	Detected	Ppp1r11	0.949132695	1.06127044	1.13071066	1.2643014
A_55_P1992	26704.4	Detected	20588	Detected	24064	Detected	25345.9	Detected	Hmgb3	0.949128234	0.90112491	1.23110064	1.1688362
A_55_P2023	163.1	Detected	201.7	Detected	206.1	Detected	154.8	Detected	Polg2	0.949110975	1.26364194	0.76747645	1.0218146
A_55_P1960	218495.7	Detected	194892.8	Detected	234359.2	Detected	207373.3	Detected	Gm19843	0.949095566	1.07260326	1.06403777	1.2025031
A_51_P4949	6491.9	Detected	5815.5	Detected	6213.7	Detected	6161.4	Detected	Diablo	0.949090405	0.9571466	1.05947898	1.0684722
A_65_P0535	38824.7	Detected	39992.3	Detected	31053.3	Detected	36842.3	Detected	ND1	0.948939721	0.79983361	0.92123484	0.776482
A_55_P2039	101.8	Detected	89	Detected	79.8	Detected	96.6	Detected	Zfp395	0.94891945	0.78388998	1.08539326	0.8966292
A_52_P3840	39.1	Detected	33.6	Detected	28.7	Detected	37.1	Not Detect	Agbl2	0.948849105	0.73401535	1.10416667	0.8541667
A_55_P1972	6370.2	Detected	4938.3	Detected	4927	Detected	6044.1	Detected	Pdzd11	0.948808515	0.7734451	1.22392321	0.9977118
A_51_P1597	2161.9	Detected	1888.3	Detected	1851	Detected	2051.2	Detected	Car7	0.948795041	0.85619131	1.08626807	0.9802468
A_51_P2216	11435.1	Detected	11532.7	Detected	11400.6	Detected	10849.4	Detected	Stk24	0.948780509	0.99698297	0.94075108	0.9885456
A_66_P1271	9596.8	Detected	6170.6	Detected	9643.4	Detected	9104.5	Detected	Ankrd16	0.948701651	1.00485579	1.4754643	1.5627978
A_55_P2179	8404.9	Detected	7578.9	Detected	7737.6	Detected	7972.7	Detected	Mrpl15	0.948577615	0.92060584	1.05196005	1.0209397
A_52_P3739	15129.6	Detected	12370.5	Detected	14226.5	Detected	14350.5	Detected	Mex3c	0.948504918	0.94030906	1.1600582	1.1500344
A_52_P6394	19.4	Detected	17.4	Detected	17.7	Detected	18.4	Not Detect	Kcnk3	0.948453608	0.91237113	1.05747126	1.0172414
A_52_P6726	34.9	Detected	27.8	Detected	19.5	Detected	33.1	Not Detect	Olf974	0.948424069	0.55873926	1.19064748	0.7014388
A_55_P2065	23981.4	Detected	22636.1	Detected	24690.6	Detected	22744.3	Detected	Siva1	0.948414188	1.02957292	1.00477998	1.0907621
A_51_P1166	141.2	Detected	133.2	Detected	164.9	Detected	133.9	Detected	4933411K16Rik	0.948300283	1.16784703	1.00525526	1.237988
A_55_P1986	1368.2	Detected	1136.2	Detected	1054.1	Detected	1297.3	Detected	Fip111	0.948180091	0.7704283	1.14178842	0.9277416
A_51_P3006	57.8	Detected	102.1	Detected	353	Detected	54.8	Detected	Crb2	0.948096886	6.10726644	0.5367287	3.4573947
A_55_P2106	934.1	Detected	604.7	Detected	545.6	Detected	885.6	Detected	Pxdc1	0.948078364	0.58409164	1.46452787	0.9022656
A_51_P3961	200.3	Detected	237.8	Detected	190	Detected	189.9	Detected	Mdm1	0.948077883	0.94857713	0.79857023	0.7989907
A_55_P2413	59.7	Detected	60.3	Detected	59.7	Detected	56.6	Detected	Gm20611	0.948073702	1	0.93864013	0.9900498
A_66_P1340	2308.7	Detected	1875	Detected	2597.8	Detected	2188.8	Detected	Grpel2	0.948066011	1.12522199	1.16736	1.3854933
A_55_P1983	258379.8	Detected	253765.8	Detected	294624.9	Detected	244957.2	Detected	Rps29	0.948050893	1.14027838	0.96528847	1.1610111
A_55_P2015	132.7	Detected	132.8	Detected	115.6	Detected	125.8	Detected	Tmcc1	0.948003014	0.87113791	0.94728916	0.8704819
A_51_P2346	1253.1	Detected	1119.1	Detected	1686.2	Detected	1187.8	Detected	Nubpl	0.947889235	1.34562286	1.06138862	1.5067465
A_52_P6689	681	Detected	446	Detected	1124.4	Detected	645.5	Detected	Tmem243	0.947870778	1.65110132	1.44730942	2.5210762
A_52_P2440	8487.1	Detected	9200.4	Detected	7507.6	Detected	8044.3	Detected	Ube2g2	0.947826702	0.88458955	0.87434242	0.816008
A_51_P2732	2302.9	Detected	2394.1	Detected	2395.8	Detected	2182.7	Detected	Gpaa1	0.947804942	1.04034044	0.91169959	1.0007101
A_66_P1160	38.3	Detected	51.6	Detected	66.1	Detected	36.3	Not Detect	2410088K16Rik	0.947780679	1.72584856	0.70348837	1.2810078

A_55_P1997	396.3 Detected	164.8 Detected	277.5 Detected	375.6 Detected	Pknx1	0.947766843	0.7002271	2.27912621	1.6838592
A_51_P4764	76.5 Detected	63.7 Detected	55.4 Detected	72.5 Detected	Olfr456	0.947712418	0.72418301	1.13814757	0.8697017
A_55_P2037	105 Detected	147.6 Detected	59.9 Detected	99.5 Detected	Palmd	0.947619048	0.57047619	0.67411924	0.4058266
A_52_P3765	865.8 Detected	737.6 Detected	802.3 Detected	820.4 Detected	Orc4	0.947562948	0.92665743	1.11225597	1.0877169
A_51_P4964	9753.3 Detected	9614.8 Detected	9271.7 Detected	9241.5 Detected	Med9	0.947525453	0.95062184	0.96117444	0.9643154
A_52_P2766	32858.2 Detected	27387 Detected	28710.3 Detected	31133.7 Detected	Ptp4a2	0.947516906	0.87376363	1.13680578	1.0483185
A_55_P2109	125.7 Detected	96.8 Detected	99.5 Detected	119.1 Detected	Trav9d-3	0.947494033	0.79156722	1.2303719	1.0278926
A_55_P1964	14299.2 Detected	14793.9 Detected	13474.1 Detected	13548.3 Detected	Kbtbd2	0.947486573	0.94229747	0.91580314	0.9107876
A_51_P2822	9.5 Not Detect	4.4 Not Detect	19.3 Detected	9 Not Detect	Ltb4r2	0.947368421	2.03157895	2.04545455	4.3863636
A_52_P6442	60.6 Detected	58.5 Detected	61.7 Detected	57.4 Detected	Capn12	0.947194719	1.01815182	0.98119658	1.0547009
A_52_P3580	2026.3 Detected	1246.6 Detected	1663.4 Detected	1919.3 Detected	Fbxo10	0.947194394	0.8209051	1.53962779	1.3343494
A_51_P4568	2799.6 Detected	2692.3 Detected	2439.2 Detected	2651.5 Detected	Ift122	0.947099586	0.87126732	0.98484567	0.9059912
A_55_P2011	20565.8 Detected	21940.5 Detected	15920.7 Detected	19476.5 Detected	Figl1	0.947033424	0.77413473	0.88769627	0.7256307
A_51_P3019	2187.8 Detected	2199.7 Detected	2364 Detected	2071.8 Detected	Trmt10c	0.9469787	1.08053753	0.94185571	1.074692
A_52_P5992	5420.2 Detected	2794.4 Detected	5231 Detected	5132.8 Detected	Mdfic	0.946976126	0.96509354	1.83681649	1.8719582
A_66_P1118	4681.5 Detected	4453.7 Detected	3934.3 Detected	4432.5 Detected	Snx13	0.946811919	0.84039304	0.99523991	0.8833779
A_55_P2320	187.8 Detected	136.8 Detected	124.6 Detected	177.8 Detected	Med9os	0.946751864	0.66347178	1.2997076	0.9108187
A_51_P1285	39.4 Detected	35.7 Detected	23.8 Detected	37.3 Not Detect	Scgb1a1	0.946700508	0.60406091	1.04481793	0.6666667
A_55_P2060	9837.9 Detected	8506.3 Detected	12066.9 Detected	9313.3 Detected	Tm2d3	0.946675612	1.22657274	1.09487086	1.4185839
A_52_P2524	3315.4 Detected	3430.5 Detected	4157.4 Detected	3138.5 Detected	2700062C07Rik	0.946642939	1.25396634	0.91488121	1.2118933
A_52_P8251	23139.4 Detected	20530 Detected	24024.6 Detected	21903.4 Detected	Nmt1	0.946584613	1.0382551	1.06689722	1.1702192
A_55_P2001	8442.7 Detected	5109.3 Detected	15133.8 Detected	7991.4 Detected	Rom1	0.946545536	1.79253083	1.56408901	2.9620105
A_55_P2177	66294.1 Detected	63898 Detected	63955.4 Detected	62747.2 Detected	Slc25a5	0.946497501	0.96472235	0.98199005	1.0008983
A_55_P2055	1516.8 Detected	7897.5 Detected	296.1 Detected	1435.5 Detected	Enpp2	0.946400316	0.19521361	0.18176638	0.0374929
A_55_P2095	68.9 Detected	68 Detected	52 Detected	65.2 Detected	1700012I11Rik	0.946298984	0.75471698	0.95882353	0.7647059
A_51_P2053	57.7 Detected	182.7 Detected	38.4 Detected	54.6 Detected	Uox	0.94627383	0.66551127	0.29885057	0.2101806
A_55_P2187	253 Detected	222.8 Detected	293.5 Detected	239.4 Detected	Gm4884	0.946245059	1.16007905	1.07450628	1.317325
A_51_P5135	11578.6 Detected	10445.3 Detected	8734.7 Detected	10956 Detected	Spag5	0.946228387	0.75438309	1.0488928	0.8362326
A_55_P2237	235.9 Detected	196.1 Detected	195.7 Detected	223.2 Detected	Tsc22d2	0.946163629	0.82958881	1.1381948	0.9979602
A_51_P2584	3991.8 Detected	2763.8 Detected	4415.1 Detected	3776.8 Detected	Zdhhc3	0.946139586	1.10604239	1.36652435	1.5974745
A_55_P1999	42.7 Detected	55.8 Detected	32.8 Detected	40.4 Not Detect	Zfp781	0.946135831	0.76814988	0.72401434	0.5878136
A_55_P1956	193302.3 Detected	205174.2 Detected	230192.1 Detected	182885.5 Detected	Gm4832	0.94611135	1.19083994	0.89136695	1.1219349
A_51_P3350	21026.8 Detected	15472 Detected	16346 Detected	19893.3 Detected	Gnb1	0.946092606	0.77738886	1.28576138	1.0564891
A_55_P2005	3347 Detected	2863.8 Detected	2739.4 Detected	3166.4 Detected	Ticrr	0.946041231	0.8184643	1.1056638	0.9565612
A_52_P6281	1548.5 Detected	637.7 Detected	2765.8 Detected	1464.9 Detected	Abcc5	0.94601227	1.7861156	2.29716167	4.3371491
A_55_P2052	22995.4 Detected	18939.5 Detected	27399.2 Detected	21753.9 Detected	Tmx2	0.946010941	1.19150787	1.14859949	1.4466697
A_55_P2035	9968.9 Detected	8071 Detected	9002.9 Detected	9430.1 Detected	Trpm7	0.94595191	0.90309864	1.16839301	1.1154628
A_55_P2166	259 Detected	218 Detected	250.9 Detected	245 Detected	9930021J03Rik	0.945945946	0.96872587	1.12385321	1.1509174
A_55_P2074	4137.7 Detected	11204 Detected	3320.3 Detected	3913.6 Detected	Padi2	0.945839476	0.80245064	0.34930382	0.2963495
A_52_P2849	138.2 Detected	89.8 Detected	180 Detected	130.7 Detected	Cacfd1	0.945730825	1.3024602	1.45545657	2.0044543

A_55_P1954	387351	Detected	343977.4	Detected	440991.4	Detected	366308.2	Detected	Rpl12	0.945675111	1.13848009	1.06491938	1.282036
A_66_P1109	1538.7	Detected	1183.1	Detected	1773.3	Detected	1455.1	Detected	Tpd52l2	0.945668421	1.15246637	1.22990449	1.4988589
A_51_P3141	6434.1	Detected	5451.4	Detected	5562.2	Detected	6084.1	Detected	Psip1	0.945602338	0.86448765	1.11606193	1.0203251
A_52_P6421	1363.4	Detected	1365.5	Detected	810	Detected	1289.2	Detected	Soat1	0.945577233	0.59410298	0.94412303	0.5931893
A_55_P2025	205854.3	Detected	200962.9	Detected	211661.7	Detected	194638.9	Detected	Rpl3	0.945517776	1.02821122	0.96853151	1.0532377
A_52_P2297	15652.3	Detected	15006.6	Detected	15371.2	Detected	14799.3	Detected	Ube2d3	0.945503217	0.98204098	0.98618608	1.024296
A_55_P2001	412.5	Detected	273.2	Detected	425.1	Detected	390	Detected	Zfp128	0.945454545	1.03054545	1.42752562	1.5560029
A_66_P1347	9901.6	Detected	10836.2	Detected	10722.5	Detected	9361.2	Detected	Clpp	0.945422962	1.08290579	0.86388217	0.9895074
A_52_P2942	1532.2	Detected	1503.8	Detected	1361.6	Detected	1448.5	Detected	Zfp41	0.945372667	0.88865683	0.96322649	0.9054396
A_55_P2033	110403.8	Detected	112405.8	Detected	113728.1	Detected	104372.3	Detected	Psmc1	0.945368728	1.03011038	0.92853127	1.0117636
A_55_P2073	5818.2	Detected	4518.5	Detected	4899.3	Detected	5500.3	Detected	Hps4	0.945361108	0.84206456	1.2172845	1.0842758
A_51_P1318	8185.7	Detected	6663.5	Detected	6541.9	Detected	7738.2	Detected	Cyba	0.945331493	0.79918639	1.16128161	0.9817513
A_52_P3048	8887.1	Detected	7398.8	Detected	5854.8	Detected	8401.2	Detected	Gnb1	0.945325247	0.65879758	1.13548143	0.7913175
A_52_P6092	30419.1	Detected	21584.5	Detected	24544.6	Detected	28755.4	Detected	Serinc3	0.945307389	0.8068812	1.33222451	1.1371401
A_55_P1985	71.1	Detected	58.9	Detected	87.2	Detected	67.2	Detected	Lrp1	0.945147679	1.22644163	1.14091681	1.4804754
A_55_P2039	18283.1	Detected	12551.6	Detected	20068.7	Detected	17278.7	Detected	Rbck1	0.945064021	1.09766396	1.37661334	1.5988958
A_55_P2088	1023	Detected	1031.4	Detected	1034.7	Detected	966.8	Detected	Mtss1	0.945063539	1.01143695	0.93736669	1.0031995
A_55_P2075	9.1	Not Detect	15.2	Detected	11.9	Not Detect	8.6	Not Detect	Ibsp	0.945054945	1.30769231	0.56578947	0.7828947
A_51_P2098	2318.6	Detected	1760.5	Detected	2933.9	Detected	2191.2	Detected	Ccnyl1	0.945053049	1.26537566	1.24464641	1.6665152
A_51_P2704	259.9	Detected	214.2	Detected	168.5	Detected	245.6	Detected	Ficd	0.944978838	0.64832628	1.14659197	0.786648
A_66_P1344	3142.4	Detected	3501.5	Detected	3060.2	Detected	2969.5	Detected	Skp2	0.94497836	0.97384165	0.84806511	0.8739683
A_55_P1990	1262.6	Detected	1038	Detected	1819.7	Detected	1193.1	Detected	Zranb3	0.944954855	1.44123238	1.14942197	1.7530829
A_51_P3246	817.3	Detected	680.1	Detected	138	Detected	772.3	Detected	Lphn1	0.944940658	0.16884865	1.1355683	0.2029113
A_51_P2245	7468.6	Detected	5165.4	Detected	5202.5	Detected	7057.2	Detected	Arl8a	0.944916049	0.69658303	1.36624463	1.0071824
A_51_P4019	128771.6	Detected	99511.9	Detected	127320	Detected	121677.8	Detected	Taldo1	0.944911766	0.98872733	1.22274622	1.279445
A_55_P2062	3977.4	Detected	4524.2	Detected	2866.1	Detected	3758.1	Detected	Aspscr1	0.944863479	0.72059637	0.8306662	0.6335043
A_66_P1145	146.9	Detected	117.2	Detected	140.7	Detected	138.8	Detected	Ighv10-3	0.944860449	0.95779442	1.18430034	1.2005119
A_65_P1130	1484.6	Detected	1020	Detected	1214.9	Detected	1402.7	Detected	Gm4944	0.944833625	0.81833491	1.37519608	1.1910784
A_51_P2881	30677	Detected	35727	Detected	30608.7	Detected	28981.1	Detected	Psmc6	0.944717541	0.99777358	0.81118202	0.8567386
A_52_P1592	1602	Detected	863.1	Detected	1163.8	Detected	1513.4	Detected	Lpp	0.944694132	0.72646692	1.75344688	1.3483953
A_55_P2134	6517.3	Detected	5039.1	Detected	7574.1	Detected	6156.8	Detected	Mzt2	0.944685683	1.16215304	1.22180548	1.503066
A_52_P2299	1255.7	Detected	1276.7	Detected	1144.4	Detected	1186.2	Detected	Cbx8	0.944652385	0.91136418	0.92911412	0.8963735
A_55_P2128	619.1	Detected	769.8	Detected	568.3	Detected	584.8	Detected	Rnf217	0.944596996	0.9179454	0.75967784	0.7382437
A_55_P2109	2753.7	Detected	2619.2	Detected	3019.8	Detected	2601.1	Detected	Mpg	0.944583651	1.09663362	0.99308949	1.1529475
A_52_P6734	3033.9	Detected	3443.5	Detected	3397.9	Detected	2865.7	Detected	Shmt1	0.944559808	1.11997759	0.8322056	0.9867577
A_55_P2090	299.4	Detected	418	Detected	259.5	Detected	282.8	Detected	Gm4340	0.944555778	0.86673347	0.67655502	0.6208134
A_55_P2005	113.6	Detected	116.6	Detected	105.3	Detected	107.3	Detected	Olfv576	0.944542254	0.92693662	0.92024014	0.9030875
A_55_P2167	10.8	Not Detect	7.1	Not Detect	18.8	Detected	10.2	Not Detect	Rslcan18	0.944444444	1.74074074	1.43661972	2.6478873
A_51_P1518	4401.3	Detected	4361.9	Detected	3787.8	Detected	4156.5	Detected	Tmtc3	0.94438007	0.86060937	0.95291043	0.868383
A_51_P3383	7894	Detected	5229.2	Detected	6856.5	Detected	7454.5	Detected	Kctd10	0.944324804	0.86857107	1.42555267	1.3111948

A_52_P2695	6320.8	Detected	7127.1	Detected	5838.4	Detected	5968.5	Detected	Ergic2	0.944263384	0.92368055	0.83743739	0.8191831
A_55_P2002	43	Detected	45.4	Detected	40.1	Detected	40.6	Not Detect	Rabgap11	0.944186047	0.93255814	0.89427313	0.8832599
A_66_P1362	290.1	Detected	271.1	Detected	287.7	Detected	273.9	Detected	Rbm4b	0.944157187	0.99172699	1.01032829	1.061232
A_55_P2121	123.4	Detected	115.5	Detected	147.2	Detected	116.5	Detected	Clcc1	0.944084279	1.19286872	1.00865801	1.2744589
A_55_P2382	26.8	Detected	28	Detected	24.3	Detected	25.3	Not Detect	AI845619	0.944029851	0.90671642	0.90357143	0.8678571
A_55_P2185	1691.5	Detected	933.9	Detected	1170.8	Detected	1596.8	Detected	Zfp865	0.944014189	0.69216672	1.70981904	1.2536674
A_55_P2066	50	Detected	61	Detected	38.2	Detected	47.2	Detected	Zufsp	0.944	0.764	0.77377049	0.6262295
A_51_P1364	13185.5	Detected	12702	Detected	15269.6	Detected	12446.1	Detected	Zmat2	0.943923249	1.15805999	0.97985357	1.2021414
A_55_P1972	516.9	Detected	465.9	Detected	452.8	Detected	487.9	Detected	Slc12a6	0.943896305	0.87599149	1.04722043	0.9718824
A_51_P2772	4777	Detected	4154.4	Detected	6087.8	Detected	4508.9	Detected	Apmap	0.94387691	1.27439816	1.08533122	1.4653861
A_55_P1992	176846.1	Detected	172881.5	Detected	163995.4	Detected	166906.3	Detected	Ubtf	0.943794067	0.92733399	0.9654376	0.9486001
A_51_P3912	2469.2	Detected	1964.6	Detected	1542.3	Detected	2330.4	Detected	Gdi1	0.943787462	0.62461526	1.18619566	0.7850453
A_55_P2148	108.5	Detected	131.3	Detected	75.1	Detected	102.4	Detected	Agtppb1	0.943778802	0.6921659	0.77989337	0.5719726
A_51_P2823	26961.4	Detected	28257.7	Detected	32865.3	Detected	25445.3	Detected	Mrps28	0.943767757	1.21897602	0.90047315	1.1630564
A_55_P2287	384	Detected	322.8	Detected	450.6	Detected	362.4	Detected	A930037O16Rik	0.94375	1.1734375	1.12267658	1.3959108
A_55_P2338	2505.9	Detected	2413	Detected	2589.4	Detected	2364.9	Detected	Slc35a1	0.943732791	1.03332136	0.98006631	1.073104
A_66_P1256	650.1	Detected	408	Detected	558.2	Detected	613.5	Detected	Nde1	0.943700969	0.85863713	1.50367647	1.3681373
A_52_P3097	1161.4	Detected	962.4	Detected	920.3	Detected	1096	Detected	Cdk12	0.943688652	0.79240572	1.13881962	0.9562552
A_55_P1975	3221.7	Detected	2944.2	Detected	2437	Detected	3039.6	Detected	Fubp3	0.943477046	0.75643294	1.03240269	0.8277291
A_55_P1980	15222.6	Detected	10282.1	Detected	15914.1	Detected	14362	Detected	1110012L19Rik	0.943465637	1.04542588	1.39679637	1.547748
A_51_P3472	2769.6	Detected	2823.3	Detected	2179.6	Detected	2612.9	Detected	Lrr1	0.943421433	0.78697285	0.92547728	0.7720044
A_55_P2123	2478.5	Detected	2365.6	Detected	2007.6	Detected	2338.2	Detected	Akirin1	0.943393181	0.81000605	0.98841731	0.8486642
A_51_P3918	130.7	Detected	144.5	Detected	129.7	Detected	123.3	Detected	Dkk11	0.94338179	0.99234889	0.8532872	0.8975779
A_55_P2045	110551.4	Detected	123025.7	Detected	117511.9	Detected	104290.6	Detected	Eif5a	0.94336752	1.06296166	0.84771393	0.9551817
A_55_P2240	113	Detected	87.6	Detected	78.1	Detected	106.6	Detected	Gm20555	0.943362832	0.69115044	1.21689498	0.8915525
A_52_P3436	8271.5	Detected	8098.2	Detected	8419.6	Detected	7802.9	Detected	Kpna4	0.943347639	1.01790485	0.96353511	1.0396878
A_55_P1960	13197.7	Detected	11347.9	Detected	13906.7	Detected	12448.8	Detected	Wac	0.943255264	1.05372148	1.09701354	1.2254867
A_52_P6334	42224.5	Detected	41116.8	Detected	49349.9	Detected	39827.6	Detected	Gabarapl1	0.943234378	1.16875037	0.96864542	1.2002369
A_55_P1980	357.6	Detected	390.3	Detected	377.6	Detected	337.3	Detected	Il17d	0.943232662	1.05592841	0.86420702	0.9674609
A_52_P1538	927.3	Detected	837.2	Detected	900.3	Detected	874.6	Detected	Prpf4b	0.943168338	0.97088321	1.04467272	1.0753703
A_52_P121	2342.2	Detected	2199.6	Detected	2606.8	Detected	2209	Detected	Osgepl1	0.94313039	1.11297071	1.0042735	1.1851246
A_52_P2176	3284.3	Detected	3114.6	Detected	2501.8	Detected	3097.4	Detected	Snopc3	0.943092897	0.76174527	0.99447762	0.8032492
A_55_P2037	2286	Detected	2012.2	Detected	1565.6	Detected	2155.9	Detected	Depdc1a	0.943088364	0.68486439	1.07141437	0.7780539
A_51_P1532	11049.2	Detected	8353	Detected	10637.3	Detected	10420.3	Detected	Zdhhc12	0.943081852	0.96272128	1.24749192	1.2734706
A_55_P2030	2533.3	Detected	2153.5	Detected	2776.2	Detected	2389	Detected	Cir1	0.943038724	1.09588284	1.10935686	1.2891572
A_51_P3576	10028.7	Detected	8323.9	Detected	9233.5	Detected	9457.2	Detected	Dhx16	0.943013551	0.92070757	1.13615012	1.1092757
A_52_P5195	1154.6	Detected	944	Detected	861.6	Detected	1088.8	Detected	Uba6	0.943010566	0.74623246	1.15338983	0.9127119
A_55_P1993	158055.8	Detected	169611	Detected	182429.1	Detected	149041.9	Detected	Rps24	0.942970141	1.15420693	0.87872779	1.0755735
A_55_P2131	57256.9	Detected	56290.1	Detected	54194.1	Detected	53988.6	Detected	Poldip3	0.94291867	0.94650776	0.95911359	0.9627643
A_55_P2023	3626.2	Detected	2959.4	Detected	4208.5	Detected	3419.2	Detected	Tmx2	0.942915449	1.16058132	1.15536933	1.4220788

A_52_P4766	2726	Detected	3653	Detected	2682.1	Detected	2570.3	Detected	Gemin4	0.942883346	0.98389582	0.70361347	0.7342185
A_55_P2128	176.8	Detected	187.3	Detected	154.3	Detected	166.7	Detected	Adam17	0.942873303	0.87273756	0.89001602	0.8238121
A_55_P2156	73.5	Detected	46.5	Detected	54.6	Detected	69.3	Detected	Ccdc136	0.942857143	0.74285714	1.49032258	1.1741935
A_55_P2111	425.2	Detected	389.2	Detected	452.3	Detected	400.9	Detected	Mbd1	0.942850423	1.06373471	1.03006166	1.1621274
A_55_P1979	7544.9	Detected	6055.8	Detected	9601.3	Detected	7113.7	Detected	Gle1	0.942848812	1.27255497	1.17469203	1.5854718
A_51_P2013	3313	Detected	3216.4	Detected	3399	Detected	3123.5	Detected	Mtss1	0.942801087	1.02595835	0.97111678	1.0567715
A_55_P1962	984.2	Detected	890.2	Detected	809.6	Detected	927.9	Detected	Snapc3	0.94279618	0.82259703	1.04235003	0.9094585
A_55_P2143	1852.6	Detected	2677.8	Detected	3115.6	Detected	1746.6	Detected	Pdxk	0.942783116	1.68174458	0.65225185	1.1634924
A_55_P1964	22.7	Detected	32.3	Detected	15.8	Detected	21.4	Not Detect	Krt28	0.942731278	0.69603524	0.6625387	0.4891641
A_66_P1155	5410.7	Detected	4019.1	Detected	5060.1	Detected	5100.7	Detected	Crebzf	0.942706119	0.93520247	1.26911498	1.2590132
A_55_P2090	4065.4	Detected	4324.7	Detected	4931.8	Detected	3832.4	Detected	Cbx5	0.942687066	1.21311556	0.88616551	1.1403797
A_55_P2148	1462.2	Detected	1258.8	Detected	1325.7	Detected	1378.3	Detected	Pithd1	0.942620709	0.90664752	1.09493168	1.0531459
A_55_P2115	2067.2	Detected	1458.5	Detected	2109.9	Detected	1948.5	Detected	Gm14325	0.942579334	1.02065596	1.3359616	1.4466232
A_55_P1999	10541.4	Detected	8264.6	Detected	10029.8	Detected	9935.4	Detected	Ovol2	0.94251238	0.95146755	1.20216344	1.2135857
A_55_P2119	488.8	Detected	345.2	Detected	395.8	Detected	460.7	Detected	Cspp1	0.942512275	0.80973813	1.33458864	1.1465817
A_55_P2013	76.5	Detected	44.4	Detected	160.1	Detected	72.1	Detected	Ablim1	0.94248366	2.09281046	1.62387387	3.6058559
A_51_P1838	57448.7	Detected	48714.3	Detected	59868	Detected	54140.6	Detected	Polr2m	0.942416452	1.04211235	1.11139029	1.2289615
A_55_P1961	866.3	Detected	799.9	Detected	682.4	Detected	816.4	Detected	Cd68	0.942398707	0.78771788	1.02062758	0.8531066
A_52_P4431	14375.2	Detected	12344.1	Detected	12370.5	Detected	13546.2	Detected	Naa35	0.942331237	0.86054455	1.09738256	1.0021387
A_55_P2244	20.8	Detected	22.6	Detected	18.7	Not Detect	19.6	Not Detect	2410024N13Rik	0.942307692	0.89903846	0.86725664	0.8274336
A_55_P1954	6442.1	Detected	4499.5	Detected	4057.2	Detected	6070.3	Detected	Gm15800	0.942285901	0.62979463	1.34910546	0.9017002
A_55_P2138	4740.6	Detected	4233.1	Detected	4713.3	Detected	4467	Detected	Pias2	0.942285787	0.99424124	1.05525501	1.1134393
A_52_P6454	211.3	Detected	199.7	Detected	227.6	Detected	199.1	Detected	Apobec3	0.942262186	1.0771415	0.99699549	1.1397096
A_52_P4862	14898.2	Detected	15342.4	Detected	14707.6	Detected	14036.2	Detected	Polr2b	0.942140661	0.98720651	0.91486339	0.9586245
A_52_P9655	4400.7	Detected	3092	Detected	4673.1	Detected	4145.5	Detected	Vkorc11i	0.942009226	1.06189924	1.34071798	1.5113519
A_55_P2040	69205	Detected	53406.6	Detected	84272.6	Detected	65190.4	Detected	Swi5	0.941989741	1.21772415	1.22064314	1.5779436
A_51_P4235	549.8	Detected	410.8	Detected	436.1	Detected	517.9	Detected	2310003H01Rik	0.941978901	0.79319753	1.26071081	1.0615871
A_55_P2055	12839.3	Detected	10816.7	Detected	11336.8	Detected	12094.2	Detected	Mcts1	0.941967241	0.88297649	1.11810441	1.0480831
A_51_P4296	101438.2	Detected	79764.1	Detected	106776.1	Detected	95549	Detected	Ebp	0.941942976	1.05262219	1.19789479	1.3386486
A_66_P1339	25421.3	Detected	25519.9	Detected	24844.9	Detected	23940.9	Detected	Gm5093	0.94176537	0.9773261	0.93812672	0.9735501
A_55_P2086	11338.9	Detected	8654.4	Detected	8015.5	Detected	10677.3	Detected	Dennd5a	0.941652188	0.70690279	1.23374237	0.9261763
A_55_P2033	43145.5	Detected	49608.9	Detected	44140	Detected	40625.8	Detected	Mrpl22	0.941599935	1.02304991	0.8189216	0.8897597
A_55_P2253	46.2	Detected	37.3	Detected	31.9	Detected	43.5	Not Detect	4930567H12Rik	0.941558442	0.69047619	1.16621984	0.8552279
A_55_P1966	126.6	Detected	136.5	Detected	192.3	Detected	119.2	Detected	Sntb1	0.941548183	1.51895735	0.87326007	1.4087912
A_55_P2329	17.1	Detected	16.3	Detected	15.8	Not Detect	16.1	Not Detect	Ccdc148	0.941520468	0.92397661	0.98773006	0.9693252
A_55_P2020	27.3	Detected	26.6	Detected	26.8	Detected	25.7	Not Detect	Pla2g2f	0.941391941	0.98168498	0.96616541	1.0075188
A_55_P2058	15230.7	Detected	16133.1	Detected	16294	Detected	14337.5	Detected	Wbscr22	0.941355289	1.06981294	0.88870087	1.0099733
A_55_P2092	144130.1	Detected	135790.9	Detected	124681.4	Detected	135670.3	Detected	Phgdh	0.941304419	0.8650615	0.99911187	0.9181867
A_55_P1997	15.3	Detected	20.7	Detected	16	Not Detect	14.4	Not Detect	Ggnbp1	0.941176471	1.04575163	0.69565217	0.7729469
A_55_P2032	318089.2	Detected	306384	Detected	327875.8	Detected	299361.7	Detected	Rps24	0.941125005	1.03076684	0.97708007	1.0701466

A_51_P2172	6364.8	Detected	7306.6	Detected	6158.2	Detected	5989.8	Detected	Derl1	0.941082202	0.96754022	0.81977938	0.842827
A_51_P3988	60404.2	Detected	60355.3	Detected	67066.6	Detected	56842.6	Detected	Uck2	0.941037213	1.11029697	0.94179964	1.1111965
A_55_P2066	86691.9	Detected	76478.9	Detected	78673.8	Detected	81579.2	Detected	Akt1	0.941024479	0.90751039	1.06668898	1.0286994
A_51_P3375	2763.9	Detected	2523.7	Detected	2837.5	Detected	2600.8	Detected	Glce	0.940989182	1.02662904	1.03055038	1.1243412
A_51_P4927	15349.3	Detected	18391.7	Detected	15502	Detected	14443.3	Detected	Wdr75	0.940974507	1.00994834	0.7853162	0.8428802
A_55_P1958	235964.7	Detected	235737	Detected	266248.4	Detected	222036.5	Detected	Rps29	0.940973374	1.12833996	0.94188227	1.1294298
A_51_P1897	4589.8	Detected	6399.7	Detected	4701.9	Detected	4318.8	Detected	Pim3	0.940956033	1.02442372	0.67484413	0.7347063
A_52_P2261	1747.2	Detected	1670.2	Detected	1870.9	Detected	1644	Detected	Gm4862	0.940934066	1.07079899	0.98431326	1.1201652
A_55_P1957	16.9	Detected	13.2	Not Detect	14.1	Not Detect	15.9	Not Detect	Cypt4	0.940828402	0.83431953	1.20454545	1.0681818
A_52_P4297	1230.3	Detected	1295	Detected	979.2	Detected	1157.5	Detected	Cnst	0.94082744	0.79590344	0.89382239	0.756139
A_51_P4151	234.9	Detected	170.5	Detected	258.7	Detected	221	Detected	Tgfa	0.940825883	1.10131971	1.29618768	1.5173021
A_55_P2069	5818.2	Detected	5838.1	Detected	4931.8	Detected	5473.8	Detected	Ptpn13	0.940806435	0.84765048	0.93759956	0.8447611
A_55_P2038	43858.6	Detected	31795.8	Detected	45525.5	Detected	41261.9	Detected	Nt5c	0.940793824	1.03800623	1.29771542	1.4318086
A_55_P1956	113498.4	Detected	95664.1	Detected	114164.1	Detected	106777.4	Detected	Rpl36a	0.940783306	1.00586528	1.11617002	1.193385
A_55_P2067	495.7	Detected	240	Detected	515.3	Detected	466.3	Detected	Dclre1c	0.940689933	1.03954004	1.94291667	2.1470833
A_55_P2129	3337.8	Detected	3547.7	Detected	2673.7	Detected	3139.1	Detected	Rabgef1	0.940469771	0.80103661	0.88482679	0.7536432
A_55_P2154	513208.3	Detected	493957.8	Detected	513506.9	Detected	482630.6	Detected	Tuba1b	0.94041854	1.00058183	0.97706849	1.0395765
A_66_P1225	122.5	Detected	161.7	Detected	93	Detected	115.2	Detected	Ikzf2	0.940408163	0.75918367	0.71243043	0.5751391
A_55_P1952	209775.9	Detected	177244.7	Detected	243444.3	Detected	197261.6	Detected	Rpl12	0.940344434	1.16049699	1.1129337	1.3734927
A_55_P2172	5179.6	Detected	4954.2	Detected	4253.1	Detected	4870.1	Detected	Ptpn13	0.940246351	0.82112518	0.9830245	0.8584837
A_55_P2052	11.7	Not Detect	51.5	Detected	8.4	Not Detect	11	Not Detect	Gbp6	0.94017094	0.71794872	0.21359223	0.1631068
A_55_P2348	140.2	Detected	298.3	Detected	137.9	Detected	131.8	Detected	Casd1	0.940085592	0.98359486	0.44183708	0.4622863
A_55_P2196	130.1	Detected	148.1	Detected	140.6	Detected	122.3	Detected	A630031M23Rik	0.940046118	1.08070715	0.82579338	0.9493585
A_51_P4593	12942.4	Detected	12354.2	Detected	12313	Detected	12165.9	Detected	Appbp2	0.9400034	0.95136914	0.98475822	0.9966651
A_55_P2029	65	Detected	45.5	Detected	50.7	Detected	61.1	Detected	Soga1	0.94	0.78	1.34285714	1.1142857
A_66_P1322	40012.5	Detected	17841.5	Detected	52552.5	Detected	37611.7	Detected	Akr1c13	0.93999875	1.31340206	2.1081019	2.9455203
A_55_P1963	86.6	Detected	50.2	Detected	78.2	Detected	81.4	Detected	Gm4861	0.939953811	0.90300231	1.62151394	1.5577689
A_66_P1252	993.3	Detected	892.4	Detected	929.3	Detected	933.6	Detected	Cep120	0.939897312	0.93556831	1.04616764	1.0413492
A_55_P1962	74664.5	Detected	68542.9	Detected	68241.1	Detected	70176.9	Detected	Anp32b	0.93989647	0.91396983	1.02383908	0.9955969
A_55_P1975	42367.3	Detected	40847.5	Detected	46809.1	Detected	39818.7	Detected	Ufc1	0.939845116	1.10484029	0.97481364	1.1459477
A_55_P2034	6512.2	Detected	6993.3	Detected	4788.1	Detected	6120.4	Detected	Ccdc104	0.939836	0.73525076	0.87518053	0.6846696
A_55_P2396	81.4	Detected	74.5	Detected	70	Detected	76.5	Detected	A730056I06Rik	0.93980344	0.85995086	1.02684564	0.9395973
A_55_P1982	275414.2	Detected	248413.9	Detected	269452.1	Detected	258816.7	Detected	Rpl31	0.939736223	0.97835224	1.04187688	1.0846901
A_52_P6224	6334.2	Detected	5875.5	Detected	4593	Detected	5952.3	Detected	Pdcl3	0.93970825	0.7251113	1.01307123	0.7817207
A_55_P2167	6108.7	Detected	4536.9	Detected	4440.5	Detected	5740.1	Detected	Arid1a	0.939659829	0.72691407	1.26520311	0.978752
A_55_P2370	946	Detected	930.1	Detected	893.1	Detected	888.9	Detected	Ppp2r5e	0.939640592	0.94408034	0.95570369	0.9602193
A_55_P2147	8158.4	Detected	6145.4	Detected	8488.4	Detected	7665.5	Detected	Spata2	0.939583742	1.04044911	1.24735575	1.3812608
A_52_P2795	5149.5	Detected	5217.8	Detected	5321.6	Detected	4837.7	Detected	Ube2k	0.939450432	1.03342072	0.92715321	1.0198934
A_51_P2562	15402.9	Detected	12141.1	Detected	14300.4	Detected	14470.1	Detected	Ppp6c	0.939439976	0.92842257	1.19182776	1.1778504
A_55_P2115	16927.2	Detected	12883.2	Detected	16127.8	Detected	15901.8	Detected	Zfyve19	0.939422941	0.95277423	1.23430514	1.2518474

A_51_P4990	17822.7	Detected	16786.6	Detected	14520.9	Detected	16741.5	Detected	Ube2o	0.939335791	0.81474187	0.99731333	0.8650292
A_55_P2003	47776.1	Detected	47450.3	Detected	43086.8	Detected	44872.6	Detected	Capza1	0.939226936	0.90184841	0.94567579	0.9080406
A_52_P5773	146	Detected	131.8	Detected	104.1	Detected	137.1	Detected	Il18bp	0.939041096	0.7130137	1.04021244	0.7898331
A_55_P2035	85.3	Detected	66	Detected	64.8	Detected	80.1	Detected	Strip1	0.939038687	0.75967175	1.21363636	0.9818182
A_65_P1534	2347	Detected	3051.9	Detected	2371	Detected	2203.9	Detected	Zfp251	0.939028547	1.01022582	0.72214031	0.7768931
A_55_P2073	5675.9	Detected	5647.9	Detected	4741.4	Detected	5329.4	Detected	Gtf3c2	0.938952413	0.83535651	0.94360736	0.8394979
A_55_P2052	122.8	Detected	140.5	Detected	106.2	Detected	115.3	Detected	Gbp6	0.938925081	0.86482085	0.82064057	0.7558719
A_51_P2562	7793.2	Detected	6263.2	Detected	6639.3	Detected	7316.9	Detected	Zfp768	0.938882616	0.85193502	1.16823668	1.0600492
A_55_P2279	32.7	Detected	30.5	Detected	18	Detected	30.7	Not Detect	AW125646	0.93883792	0.55045872	1.00655738	0.5901639
A_55_P1987	218.9	Detected	185.4	Detected	189.7	Detected	205.5	Detected	Tmem161b	0.938784833	0.86660576	1.10841424	1.0231931
A_51_P2602	9.8	Not Detect	27.8	Detected	3.3	Not Detect	9.2	Not Detect	Cpne4	0.93877551	0.33673469	0.33093525	0.118705
A_51_P4038	31	Detected	140.2	Detected	37.3	Detected	29.1	Not Detect	Slc4a5	0.938709677	1.20322581	0.20756063	0.2660485
A_55_P2112	10463.6	Detected	8012.6	Detected	8843.1	Detected	9822.2	Detected	Uxt	0.938701785	0.84512978	1.2258443	1.1036493
A_55_P2013	11.4	Not Detect	32.4	Detected	12.8	Not Detect	10.7	Not Detect	Tsga10	0.938596491	1.12280702	0.33024691	0.3950617
A_51_P5072	1528.6	Detected	1427.1	Detected	1810	Detected	1434.7	Detected	Patl1	0.938571242	1.18409002	1.00532549	1.2683064
A_55_P2065	3562.9	Detected	3434.4	Detected	3418.9	Detected	3344	Detected	Ctdp1	0.938561284	0.95958349	0.97367808	0.9954868
A_51_P3939	16437.1	Detected	25230.1	Detected	12951.1	Detected	15427.2	Detected	Fbxo5	0.938559722	0.78791879	0.61146012	0.5133194
A_55_P2019	19137.4	Detected	16196.6	Detected	17450.1	Detected	17961.3	Detected	Rps6kb1	0.938544421	0.91183233	1.10895497	1.0773928
A_55_P2179	369	Detected	276.9	Detected	325.1	Detected	346.3	Detected	Syngn4	0.938482385	0.88102981	1.250632	1.1740701
A_55_P2179	2687.1	Detected	2533.1	Detected	2405.2	Detected	2521.7	Detected	Ppp1r8	0.938446653	0.89509136	0.99549959	0.9495085
A_55_P2107	87.7	Detected	72.2	Detected	79.8	Detected	82.3	Detected	Rasd2	0.938426454	0.90992018	1.1398892	1.1052632
A_51_P2791	539	Detected	2277.5	Detected	84.1	Detected	505.8	Detected	Plcg2	0.938404453	0.15602968	0.22208562	0.0369265
A_52_P5458	14062	Detected	12318.4	Detected	11654.9	Detected	13194.7	Detected	Lrrfip1	0.93832314	0.82882236	1.07113749	0.9461375
A_51_P3481	5762.5	Detected	5241.2	Detected	4827.4	Detected	5406.5	Detected	Ube2q1	0.938221258	0.83772668	1.03153858	0.9210486
A_55_P2246	61.5	Detected	43.5	Detected	44.5	Detected	57.7	Detected	C130051F05Rik	0.938211382	0.72357724	1.32643678	1.0229885
A_55_P2022	9.7	Not Detect	14.5	Not Detect	19.7	Detected	9.1	Not Detect	Oxct2b	0.93814433	2.03092784	0.62758621	1.3586207
A_55_P1993	168312.9	Detected	173549.5	Detected	188545.8	Detected	157899	Detected	Gm6030	0.938127737	1.12021004	0.90982112	1.0864094
A_51_P2813	8013.1	Detected	7294.3	Detected	4962	Detected	7517.3	Detected	Tspan5	0.938126318	0.619236	1.03057182	0.6802572
A_55_P2053	11688.8	Detected	8315.3	Detected	10316.7	Detected	10965.4	Detected	Cacfd1	0.938111697	0.88261413	1.31870167	1.2406889
A_51_P2757	75.9	Detected	47.4	Detected	100.6	Detected	71.2	Detected	D17H6S53E	0.938076416	1.32542819	1.5021097	2.1223629
A_52_P3043	1743.5	Detected	1173.1	Detected	2019.1	Detected	1635.4	Detected	Isca1	0.937998279	1.15807284	1.39408405	1.7211661
A_55_P1977	198.3	Detected	190.2	Detected	220.8	Detected	186	Detected	Dip2b	0.937972769	1.11346445	0.97791798	1.1608833
A_55_P2072	1358.2	Detected	912.8	Detected	1248.3	Detected	1273.9	Detected	Sptan1	0.937932558	0.91908408	1.39559597	1.3675504
A_55_P2006	5269.1	Detected	6803.9	Detected	3657.5	Detected	4941.4	Detected	Map4k5	0.937807216	0.69414131	0.72625994	0.5375593
A_55_P2120	3427.1	Detected	1969.8	Detected	3147.9	Detected	3213.8	Detected	Gm7120	0.937760789	0.9185317	1.6315362	1.598081
A_55_P2016	293550.7	Detected	285358	Detected	309335.6	Detected	275276.2	Detected	Nme2	0.937746699	1.05377231	0.96466964	1.0840264
A_55_P2148	25.7	Detected	31.9	Detected	35.9	Detected	24.1	Not Detect	Proser1	0.937743191	1.39688716	0.75548589	1.1253918
A_52_P3615	50250.3	Detected	38456.6	Detected	54949.1	Detected	47120.5	Detected	Hspa14	0.937715795	1.0935079	1.22529033	1.4288601
A_55_P2014	9704.8	Detected	9583.8	Detected	8241.1	Detected	9100	Detected	Knop1	0.937680323	0.84917773	0.94951898	0.859899
A_52_P6136	543.8	Detected	587.3	Detected	465.5	Detected	509.9	Detected	Zfp3	0.937660905	0.85601324	0.86821045	0.7926103

A_55_P1967	96.2 Detected	150.7 Detected	74.1 Detected	90.2 Detected	Klc3	0.937629938	0.77027027	0.59854015	0.4917054
A_55_P2319	11.2 Not Detect	22.6 Detected	20.9 Detected	10.5 Not Detect	4930414F18Rik	0.9375	1.86607143	0.46460177	0.9247788
A_55_P2146	256 Detected	224.6 Detected	149.3 Detected	240 Detected	LOC101056155	0.9375	0.58320313	1.06856634	0.6647373
A_52_P4885	12.8 Not Detect	19.2 Detected	3.8 Not Detect	12 Not Detect	Gtsf1l	0.9375	0.296875	0.625	0.1979167
A_55_P2302	9.6 Not Detect	25.6 Detected	8 Not Detect	9 Not Detect	Kdm5d	0.9375	0.83333333	0.3515625	0.3125
A_55_P2074	7198.4 Detected	3820.7 Detected	8123.5 Detected	6748.2 Detected	Fam168a	0.937458324	1.12851467	1.76622085	2.1261811
A_52_P3990	2415.7 Detected	2082.3 Detected	2469.7 Detected	2264.6 Detected	Tmed2	0.937450842	1.02235377	1.08754742	1.1860443
A_51_P2331	20310.1 Detected	20613.6 Detected	22192.7 Detected	19038.5 Detected	Ltbp3	0.937390756	1.0926928	0.92358928	1.0766048
A_52_P2860	376.8 Detected	647 Detected	88.7 Detected	353.2 Detected	Obsl1	0.937367304	0.2354034	0.54590417	0.1370943
A_51_P2143	35597.1 Detected	37090.3 Detected	37600.8 Detected	33367.2 Detected	Haus4	0.937357257	1.05628829	0.89962066	1.0137637
A_55_P1976	3413.9 Detected	3276.2 Detected	3314.8 Detected	3200 Detected	Polr3e	0.937344386	0.97097162	0.97674135	1.0117819
A_55_P2031	15752.8 Detected	12444.4 Detected	16696 Detected	14765.1 Detected	Vps52	0.937300036	1.05987507	1.18648549	1.3416476
A_55_P1969	121.2 Detected	108.6 Detected	104.7 Detected	113.6 Detected	Myo15	0.937293729	0.86386139	1.04604052	0.9640884
A_51_P4669	301.4 Detected	112 Detected	521.2 Detected	282.5 Detected	Cacna1g	0.937292634	1.72926344	2.52232143	4.6535714
A_51_P1301	24613.2 Detected	20811 Detected	25296.8 Detected	23068.9 Detected	Idh3b	0.937257244	1.02777371	1.10849551	1.2155495
A_55_P2092	8980.7 Detected	6779.3 Detected	8258.9 Detected	8416 Detected	Rhbdd3	0.937120714	0.91962765	1.24142611	1.2182526
A_55_P1956	4181.2 Detected	5120.2 Detected	7351.2 Detected	3918.2 Detected	Chka	0.937099397	1.75815555	0.76524355	1.4357252
A_55_P2020	20423 Detected	14814.1 Detected	23505 Detected	19138.3 Detected	Man1b1	0.937095432	1.15090829	1.29189758	1.5866641
A_55_P2130	3081 Detected	1785.2 Detected	2404.9 Detected	2887.1 Detected	Rilp	0.937065888	0.78055826	1.61724177	1.347132
A_52_P7698	69.9 Detected	71.1 Detected	52.1 Detected	65.5 Detected	Sp2	0.937052933	0.7453505	0.92123769	0.7327707
A_55_P2147	20199.3 Detected	20452.3 Detected	25737.7 Detected	18927.2 Detected	Wdr55	0.937022257	1.27418772	0.92543137	1.2584257
A_51_P5195	6133.1 Detected	5407.8 Detected	7010.5 Detected	5746.7 Detected	1600002K03Rik	0.936997603	1.14305979	1.06266874	1.2963682
A_51_P4319	3888.4 Detected	2761.7 Detected	2788.5 Detected	3643.1 Detected	Zfp367	0.936914926	0.71713301	1.31915125	1.0097042
A_51_P3124	3347.4 Detected	2287.7 Detected	2726.3 Detected	3136.2 Detected	Atp7a	0.936906256	0.81445301	1.37089653	1.1917209
A_52_P4399	204.4 Detected	121.5 Detected	212.1 Detected	191.5 Detected	Rab43	0.936888454	1.03767123	1.57613169	1.745679
A_52_P1273	52540.1 Detected	47085.4 Detected	48955.3 Detected	49223.4 Detected	Vmp1	0.936872979	0.93177021	1.04540686	1.0397129
A_51_P5044	17905 Detected	16479.7 Detected	15104.6 Detected	16774.4 Detected	Sf3a1	0.936855627	0.84359676	1.01788261	0.9165579
A_55_P2023	295.7 Detected	289.2 Detected	263 Detected	277 Detected	Gm10687	0.93676023	0.88941495	0.95781466	0.9094053
A_55_P2010	3541.7 Detected	3343.4 Detected	3736.2 Detected	3317.5 Detected	Npm3	0.936697066	1.05491713	0.99225339	1.1174852
A_55_P1957	166443.7 Detected	141000.9 Detected	163506.8 Detected	155899.2 Detected	Rpl39	0.936648248	0.98235499	1.10566103	1.1596153
A_51_P4189	5640.4 Detected	5327.4 Detected	3802.7 Detected	5282.6 Detected	Larp1	0.936564783	0.67418977	0.99159064	0.7138004
A_55_P2044	72.5 Detected	76.6 Detected	59.7 Detected	67.9 Detected	Gm10778	0.936551724	0.82344828	0.88642298	0.7793734
A_55_P1984	2489.3 Detected	1659.7 Detected	2156.6 Detected	2331.2 Detected	Litaf	0.936488169	0.86634797	1.40459119	1.2993915
A_52_P5418	13389 Detected	10806.3 Detected	13223.6 Detected	12536.7 Detected	Vps37b	0.936343267	0.98764658	1.16012881	1.2236936
A_55_P2065	9451.6 Detected	8203.7 Detected	6870 Detected	8849.6 Detected	Kdm2b	0.93630708	0.72686106	1.07873277	0.837427
A_51_P4076	11721.1 Detected	11470.2 Detected	12096.8 Detected	10973.7 Detected	Ndc1	0.936234654	1.03205331	0.95671392	1.0546285
A_55_P1954	201835.4 Detected	195784.2 Detected	222555.8 Detected	188963.3 Detected	Rpl17	0.936224765	1.10265989	0.96516113	1.1367403
A_52_P3843	2920.8 Detected	2581 Detected	2745.8 Detected	2734.5 Detected	Tmem198b	0.936216105	0.94008491	1.05947307	1.0638512
A_66_P1169	59.5 Detected	53.5 Detected	53.4 Detected	55.7 Detected	Txlng	0.936134454	0.89747899	1.0411215	0.9981308
A_55_P1987	48.5 Detected	39.5 Detected	33.8 Detected	45.4 Not Detect	Lca5	0.936082474	0.69690722	1.14936709	0.8556962

A_55_P1967	3085.3	Detected	3148	Detected	2974.2	Detected	2887.7	Detected	Med16	0.935954364	0.96399054	0.91731258	0.9447903
A_55_P2090	371.6	Detected	330.8	Detected	396.4	Detected	347.8	Detected	Mettl5	0.935952637	1.06673843	1.05139057	1.1983071
A_55_P2026	7888.5	Detected	6457.6	Detected	7609.2	Detected	7383.2	Detected	Rpap1	0.93594473	0.96459403	1.14333499	1.1783325
A_55_P2229	15.6	Detected	10	Not Detect	6.7	Not Detect	14.6	Not Detect	Tmem116	0.935897436	0.42948718	1.46	0.67
A_55_P1959	79.5	Detected	49.6	Detected	82.4	Detected	74.4	Detected	Rbm41	0.935849057	1.03647799	1.5	1.6612903
A_52_P5160	2033.7	Detected	2207.6	Detected	1495.7	Detected	1903.1	Detected	Pla2g15	0.935782072	0.73545754	0.8620674	0.6775231
A_55_P1976	371001.2	Detected	402965.4	Detected	362426.1	Detected	347126.9	Detected	Rps27a	0.935648995	0.9768866	0.86143103	0.8993976
A_66_P1258	554.6	Detected	566	Detected	600.8	Detected	518.9	Detected	Nupl1	0.935629282	1.08330328	0.91678445	1.0614841
A_55_P1971	48669.5	Detected	37656.3	Detected	44714.6	Detected	45536.1	Detected	Lonp1	0.935618817	0.91873966	1.20925582	1.1874401
A_55_P2155	35.7	Detected	34.2	Detected	27.6	Detected	33.4	Not Detect	Ksr2	0.93557423	0.77310924	0.97660819	0.8070175
A_55_P2121	6594.8	Detected	6888.5	Detected	7615.6	Detected	6169	Detected	Cul2	0.935433978	1.15478862	0.89555056	1.1055527
A_55_P2176	35.6	Detected	34.5	Detected	17.7	Not Detect	33.3	Not Detect	Cox11	0.935393258	0.49719101	0.96521739	0.5130435
A_51_P2784	3184.1	Detected	3634.9	Detected	2955.7	Detected	2978.3	Detected	Itfg2	0.935366352	0.92826858	0.81936229	0.8131448
A_55_P2082	23.2	Detected	96.3	Detected	21.8	Detected	21.7	Not Detect	Tnfrsf9	0.935344828	0.93965517	0.22533749	0.2263759
A_55_P2429	1685.7	Detected	1578.3	Detected	1525.7	Detected	1576.7	Detected	Atad2	0.935338435	0.90508394	0.99898625	0.966673
A_51_P1207	13107.2	Detected	11611.8	Detected	14952.6	Detected	12259.2	Detected	Lmnb1	0.935302734	1.14079285	1.05575363	1.2877073
A_55_P1967	1395.1	Detected	951.1	Detected	1354.6	Detected	1304.7	Detected	Xpa	0.935201778	0.97096982	1.37178004	1.4242456
A_55_P2088	66271.4	Detected	57410.3	Detected	60092.9	Detected	61977.1	Detected	Gm13194	0.935201309	0.90676974	1.0795467	1.0467268
A_51_P1877	22732.1	Detected	23447.1	Detected	19306	Detected	21255.5	Detected	Zc3h11a	0.935043397	0.84928361	0.90653002	0.8233854
A_51_P1544	11047.5	Detected	8999.6	Detected	11440.6	Detected	10329.2	Detected	Ccndbp1	0.934980765	1.03558271	1.1477399	1.2712343
A_52_P9289	159.9	Detected	139.9	Detected	129.5	Detected	149.5	Detected	Fam172a	0.93495935	0.80988118	1.06862044	0.9256612
A_55_P2150	560.6	Detected	531.6	Detected	454.1	Detected	524	Detected	Paxip1	0.934712808	0.81002497	0.98570354	0.8542137
A_55_P2282	39.8	Detected	142	Detected	26	Detected	37.2	Not Detect	Gm2a	0.934673367	0.65326633	0.26197183	0.1830986
A_55_P2057	12789.3	Detected	10393.4	Detected	11432.5	Detected	11952	Detected	Smap1	0.93453121	0.89391132	1.14996055	1.0999769
A_55_P2098	33.6	Detected	26.5	Detected	28.4	Detected	31.4	Not Detect	LOC101055656	0.93452381	0.8452381	1.18490566	1.0716981
A_55_P2026	85.5	Detected	61.6	Detected	59.7	Detected	79.9	Detected	Mc5r	0.934502924	0.69824561	1.29707792	0.9691558
A_55_P1993	16868.7	Detected	10985.9	Detected	14346.4	Detected	15763.6	Detected	Sh3bgrl3	0.934488135	0.85047455	1.43489382	1.3058921
A_55_P1973	2785.6	Detected	2552.5	Detected	3038.1	Detected	2602.9	Detected	Krt73	0.934412694	1.09064474	1.01974535	1.1902449
A_55_P2094	412.5	Detected	314.9	Detected	326.2	Detected	385.4	Detected	Zfp644	0.93430303	0.79078788	1.2238806	1.0358844
A_51_P1069	4083.6	Detected	4511.9	Detected	3870.1	Detected	3815.3	Detected	Rbm26	0.934298168	0.9477177	0.84560828	0.8577539
A_51_P5018	176.4	Detected	125	Detected	115.7	Detected	164.8	Detected	Hoxa2	0.934240363	0.65589569	1.3184	0.9256
A_55_P1997	339	Detected	409.6	Detected	261	Detected	316.7	Detected	Gm9693	0.934218289	0.7699115	0.77319336	0.637207
A_55_P1967	2711	Detected	2405.9	Detected	2351.8	Detected	2532.6	Detected	Gtf2h2	0.934194024	0.86750277	1.05266221	0.9775136
A_66_P1154	56230.8	Detected	42968.9	Detected	52928.7	Detected	52527.7	Detected	Coro1c	0.934144632	0.94127596	1.22245857	1.2317909
A_51_P1365	373.4	Detected	208.7	Detected	351	Detected	348.8	Detected	Lypd2	0.934118907	0.94001071	1.67129851	1.68184
A_51_P4860	5071.6	Detected	4024	Detected	4929.3	Detected	4737.4	Detected	Ift52	0.934103636	0.97194179	1.17728628	1.2249751
A_55_P1970	380119.3	Detected	373629.7	Detected	400038.5	Detected	355007.6	Detected	Rplp0	0.933937319	1.0524025	0.95015894	1.0706817
A_55_P2058	1807.2	Detected	2066.3	Detected	1676.5	Detected	1687.8	Detected	Vamp4	0.933930943	0.92767818	0.81682234	0.8113536
A_51_P4596	8927.7	Detected	3738.8	Detected	12290.6	Detected	8337.5	Detected	Lipa	0.933891148	1.37668156	2.22999358	3.2873114
A_66_P1132	93.7	Detected	89.8	Detected	98	Detected	87.5	Detected	Galnt14	0.933831377	1.04589114	0.97438753	1.091314

A_51_P1831	554.5	Detected	362.4	Detected	548.6	Detected	517.8	Detected	Pcif1	0.933814247	0.98935978	1.42880795	1.5137969
A_52_P3290	1478.5	Detected	861.7	Detected	1277.3	Detected	1380.6	Detected	Cep70	0.933784241	0.86391613	1.60218173	1.4823024
A_55_P2160	397.1	Detected	315.9	Detected	425.9	Detected	370.8	Detected	A330069E16Rik	0.933769831	1.07252581	1.17378917	1.3482115
A_66_P1387	54621.8	Detected	45254.8	Detected	58776.6	Detected	51001	Detected	Tceb2	0.933711449	1.07606487	1.12697438	1.2987926
A_66_P1161	4749.9	Detected	3982.3	Detected	4092.6	Detected	4434.8	Detected	Cstf2	0.933661761	0.86161814	1.1136278	1.0276976
A_51_P1581	3545.1	Detected	2707	Detected	2716.4	Detected	3309.7	Detected	B3galnt2	0.933598488	0.76624073	1.22264499	1.0034725
A_55_P2139	450712.8	Detected	443660.4	Detected	460886.7	Detected	420695.5	Detected	Gm10420	0.933400383	1.02257291	0.94823766	1.0388277
A_51_P1706	38508.6	Detected	37056.2	Detected	36384.6	Detected	35942.9	Detected	Ddx54	0.933373324	0.94484349	0.96995644	0.9818762
A_51_P4292	21908.6	Detected	16228	Detected	20409.1	Detected	20448.2	Detected	Smpd1	0.933341245	0.93155656	1.26005669	1.2576473
A_55_P2048	196352.2	Detected	187413.5	Detected	176275.6	Detected	183239.3	Detected	Dennd4a	0.933217453	0.8977521	0.97772732	0.9405704
A_55_P1994	10408.7	Detected	9641.2	Detected	9858.1	Detected	9712.4	Detected	Lsm14a	0.933104038	0.94710194	1.00738497	1.0224972
A_55_P2179	49.3	Detected	32.4	Detected	67	Detected	46	Not Detect	Syn3	0.93306288	1.35902637	1.41975309	2.0679012
A_55_P2004	155.2	Detected	102.5	Detected	103.3	Detected	144.8	Detected	Ear6	0.932989691	0.66559278	1.41268293	1.0078049
A_51_P4065	756.5	Detected	484.1	Detected	507.7	Detected	705.8	Detected	AI464131	0.932980833	0.67111699	1.45796323	1.0487503
A_55_P2059	244160.9	Detected	200474.3	Detected	270436.7	Detected	227796.5	Detected	Gm9385	0.932976984	1.10761674	1.13628779	1.3489844
A_55_P2181	175683	Detected	175053.8	Detected	190067.4	Detected	163906.3	Detected	Rpl17	0.932966195	1.08187702	0.93631958	1.0857656
A_55_P2094	8464.4	Detected	6868.4	Detected	9918	Detected	7896.3	Detected	Hist2h3b	0.932883607	1.17173101	1.1496564	1.4440044
A_51_P2997	527.2	Detected	686.4	Detected	524.3	Detected	491.8	Detected	D10Wsu102e	0.932852807	0.99449924	0.71649184	0.7638403
A_51_P5052	3458.6	Detected	2660.9	Detected	2904.6	Detected	3225.9	Detected	Gtpbp8	0.932718441	0.83981958	1.21233417	1.0915856
A_55_P2174	4530.4	Detected	2788.2	Detected	5171.5	Detected	4225.3	Detected	Snap29	0.932654953	1.14151068	1.51542214	1.8547809
A_51_P4533	11943.5	Detected	10798.1	Detected	9860.7	Detected	11139.1	Detected	Lpgat1	0.932649558	0.82561226	1.03157963	0.9131884
A_51_P1291	2404.4	Detected	3044.8	Detected	2516.5	Detected	2242.4	Detected	Sec63	0.932623524	1.04662286	0.73646873	0.8264911
A_51_P2578	17.8	Detected	14.5	Not Detect	16.3	Detected	16.6	Not Detect	Adam25	0.93258427	0.91573034	1.14482759	1.1241379
A_51_P2577	853.5	Detected	616	Detected	779.9	Detected	795.9	Detected	Kat2b	0.932513181	0.91376684	1.29204545	1.2660714
A_55_P2021	2942.2	Detected	2611.4	Detected	1700.9	Detected	2743.6	Detected	Malat1	0.93249949	0.57810482	1.05062419	0.6513364
A_51_P3866	530.1	Detected	759.6	Detected	480.4	Detected	494.3	Detected	Dse	0.932465573	0.9062441	0.65073723	0.6324381
A_55_P2087	25570.8	Detected	14525.8	Detected	15822.9	Detected	23843.3	Detected	Otud3	0.932442473	0.61878784	1.64144488	1.0892963
A_52_P5991	816.8	Detected	442	Detected	865.4	Detected	761.6	Detected	Tug1	0.932419197	1.05950049	1.72307692	1.9579186
A_52_P1543	48.8	Detected	31.6	Detected	36.7	Detected	45.5	Detected	Nme6	0.932377049	0.75204918	1.43987342	1.1613924
A_55_P2026	32.5	Detected	39	Detected	29.6	Detected	30.3	Not Detect	C530030P08Rik	0.932307692	0.91076923	0.77692308	0.7589744
A_51_P3736	10620	Detected	9628.2	Detected	11081.7	Detected	9901	Detected	Yars2	0.932297552	1.04347458	1.02833344	1.1509628
A_51_P3760	2111.6	Detected	1335.1	Detected	1562.3	Detected	1968.6	Detected	Bcor1l	0.932278841	0.7398655	1.47449629	1.1701745
A_66_P1002	277.5	Detected	245.7	Detected	200.2	Detected	258.7	Detected	LOC101056016	0.932252252	0.72144144	1.05291005	0.8148148
A_51_P1447	139440.2	Detected	161185.5	Detected	144900.1	Detected	129979	Detected	Cct5	0.932148692	1.03915585	0.80639388	0.8989649
A_55_P2148	6363.2	Detected	6967.5	Detected	6041.6	Detected	5931.2	Detected	Larp7	0.93210963	0.94945939	0.85126659	0.8671116
A_55_P1969	30.9	Detected	32.9	Detected	21.4	Detected	28.8	Not Detect	Ttc23l	0.932038835	0.69255663	0.87537994	0.6504559
A_52_P7938	7822	Detected	5927.9	Detected	7876	Detected	7290.2	Detected	Magt1	0.932012273	1.00690361	1.22981157	1.3286324
A_51_P2276	77.9	Detected	161.8	Detected	54.9	Detected	72.6	Detected	Gabrb2	0.931964056	0.70474968	0.4487021	0.3393078
A_55_P1957	1857.5	Detected	1396.5	Detected	1659.2	Detected	1731.1	Detected	Dlg1	0.931951548	0.89324361	1.239599	1.1881131
A_55_P2169	19.1	Detected	20.5	Detected	16.1	Not Detect	17.8	Not Detect	Hoxc12	0.931937173	0.84293194	0.86829268	0.7853659

A_55_P2034	456.7 Detected	385 Detected	487.8 Detected	425.6 Detected	Chchd5	0.931902781	1.06809722	1.10545455	1.267013
A_55_P2030	27.9 Detected	32.8 Detected	32.4 Detected	26 Not Detect	6330403A02Rik	0.931899642	1.16129032	0.79268293	0.9878049
A_55_P1965	32.2 Detected	33.6 Detected	25.8 Detected	30 Not Detect	Opn1mw	0.931677019	0.80124224	0.89285714	0.7678571
A_52_P6445	5475.3 Detected	6170.2 Detected	4212.2 Detected	5101.2 Detected	Dhrsx	0.931674977	0.76930944	0.82674792	0.6826683
A_52_P6028	2333 Detected	1959.2 Detected	1718 Detected	2173.5 Detected	Nkrf	0.93163309	0.73639091	1.10938138	0.8768885
A_52_P8362	1340 Detected	1338.4 Detected	1248.1 Detected	1248.1 Detected	Rapgef6	0.93141791	0.93141791	0.93253138	0.9325314
A_55_P2113	48.1 Detected	45.3 Detected	35.7 Detected	44.8 Not Detect	Ikzf3	0.931392931	0.74220374	0.98896247	0.7880795
A_51_P1624	35323.4 Detected	36413.5 Detected	38321 Detected	32898.4 Detected	Dnajc9	0.931348624	1.08486159	0.90346712	1.0523844
A_55_P2004	230314.2 Detected	188384.5 Detected	246572.4 Detected	214497.9 Detected	Rpl24	0.931327291	1.07059139	1.13861756	1.3088784
A_65_P1885	31448.1 Detected	29105.9 Detected	31314.6 Detected	29288.4 Detected	Btf3	0.931324945	0.99575491	1.00627021	1.075885
A_65_P1925	4493.9 Detected	2276.5 Detected	4142.8 Detected	4184.9 Detected	Ap2m1	0.931240126	0.92187187	1.83830441	1.8198111
A_51_P2818	32771.5 Detected	32601.2 Detected	29666.8 Detected	30515.5 Detected	Cactin	0.931159697	0.90526219	0.93602383	0.909991
A_52_P6005	252.7 Detected	249.2 Detected	213.7 Detected	235.3 Detected	Zfp39	0.931143649	0.8456668	0.94422151	0.8575441
A_51_P3747	6822.2 Detected	6348.7 Detected	5713.7 Detected	6352.3 Detected	Arfgef1	0.931121925	0.83751576	1.00056705	0.8999795
A_55_P2037	114180.8 Detected	102684.1 Detected	122026.5 Detected	106315.4 Detected	Rpl7a	0.931114513	1.06871295	1.0353638	1.188368
A_55_P2013	12750.3 Detected	8476.9 Detected	9358.1 Detected	11871.2 Detected	Shb	0.931052603	0.73395136	1.40041761	1.1039531
A_55_P2002	46.4 Detected	49.4 Detected	52.7 Detected	43.2 Not Detect	Phf8	0.931034483	1.13577586	0.87449393	1.0668016
A_51_P2683	7819.8 Detected	6071.4 Detected	8080.9 Detected	7280 Detected	Aagab	0.930970102	1.0333896	1.19906447	1.330978
A_55_P2326	4536.2 Detected	4126.8 Detected	3733 Detected	4223 Detected	9430085M18Rik	0.930955425	0.8229355	1.02331104	0.904575
A_55_P2075	35109.9 Detected	37355.3 Detected	35557.3 Detected	32682.1 Detected	Atic	0.930851412	1.01274284	0.87489861	0.9518676
A_55_P1967	13236.9 Detected	12346.1 Detected	11974 Detected	12321 Detected	Abhd11	0.930807062	0.90459247	0.99796697	0.9698609
A_55_P2025	13735.9 Detected	13729.1 Detected	14291.9 Detected	12785.1 Detected	Psme2b	0.930779927	1.04047787	0.93124094	1.0409932
A_55_P2408	39 Detected	26 Detected	29.1 Detected	36.3 Not Detect	4933406K04Rik	0.930769231	0.74615385	1.39615385	1.1192308
A_52_P4409	2208.5 Detected	2097.2 Detected	2516.4 Detected	2055.6 Detected	Cdc73	0.930767489	1.13941589	0.98016403	1.1998856
A_65_P1749	4156.6 Detected	3457 Detected	4496.6 Detected	3868.8 Detected	Med29	0.930760718	1.08179762	1.11912062	1.3007232
A_55_P1991	129.9 Detected	309.2 Detected	77.7 Detected	120.9 Detected	Speg	0.930715935	0.59815242	0.39100906	0.2512937
A_55_P2249	8358.9 Detected	6710.7 Detected	9531.4 Detected	7779.7 Detected	Nucks1	0.930708586	1.14026965	1.15929784	1.4203287
A_55_P2198	20.2 Detected	7.1 Not Detect	13.3 Not Detect	18.8 Not Detect	AU018794	0.930693069	0.65841584	2.64788732	1.8732394
A_55_P2117	261.1 Detected	199.8 Detected	98.7 Detected	243 Detected	Rnf165	0.930677901	0.37801609	1.21621622	0.493994
A_52_P1610	475.8 Detected	276.6 Detected	476.3 Detected	442.8 Detected	2610008E11Rik	0.930643127	1.00105086	1.60086768	1.7219812
A_51_P3434	4202.3 Detected	4383.8 Detected	2899 Detected	3910.3 Detected	Slc25a37	0.930514242	0.68986031	0.89198869	0.6612984
A_55_P2201	1215.9 Detected	1008 Detected	895.2 Detected	1131.4 Detected	1110037F02Rik	0.930504153	0.73624476	1.12242063	0.8880952
A_51_P4283	36933.3 Detected	39447.9 Detected	36710.9 Detected	34366.3 Detected	Psma6	0.930496327	0.99397833	0.87118199	0.9306173
A_51_P1744	2554.2 Detected	2418.5 Detected	2018.9 Detected	2376.5 Detected	Cenpj	0.930428314	0.79042362	0.98263386	0.8347736
A_51_P1654	1892.5 Detected	1546.9 Detected	2076.5 Detected	1760.8 Detected	C1galt1	0.930409511	1.09722589	1.13827655	1.3423621
A_55_P1972	4095.9 Detected	3321.4 Detected	4313.5 Detected	3810.2 Detected	Ccndbp1	0.93024732	1.0531263	1.14716686	1.2986993
A_52_P6334	1334 Detected	1560.4 Detected	650.4 Detected	1240.9 Detected	Akap11	0.930209895	0.48755622	0.79524481	0.4168162
A_55_P1981	58584.2 Detected	59011.9 Detected	57870.9 Detected	54492.7 Detected	Nup85	0.93016035	0.98782436	0.92341884	0.9806649
A_55_P2068	1725.2 Detected	1602.1 Detected	11 Not Detect	1604.7 Detected	Armcx3	0.930153026	0.00637607	1.00162287	0.006866
A_55_P1966	68.6 Detected	67.7 Detected	45.2 Detected	63.8 Detected	Rtbdn	0.930029155	0.65889213	0.94239291	0.6676514

A_55_P2150	100795.4	Detected	81033.9	Detected	114198.6	Detected	93735.6	Detected	Atp5c1	0.929959105	1.13297432	1.15674551	1.4092695
A_55_P1994	7468.3	Detected	4993.2	Detected	7534	Detected	6945	Detected	Tti1	0.929930506	1.00879718	1.39089161	1.508852
A_55_P1964	286.7	Detected	212.5	Detected	206.5	Detected	266.6	Detected	Zfp217	0.929891873	0.72026509	1.25458824	0.9717647
A_55_P1980	27.1	Detected	18.4	Detected	17.8	Detected	25.2	Not Detect	Gm9919	0.929889299	0.65682657	1.36956522	0.9673913
A_55_P2211	44.2	Detected	41.6	Detected	51.1	Detected	41.1	Not Detect	Smr2	0.929864253	1.1561086	0.98798077	1.2283654
A_51_P5195	12103.8	Detected	9533.3	Detected	11672.7	Detected	11254.8	Detected	Gnb1l	0.929856739	0.96438309	1.18057755	1.2244134
A_51_P1239	21321.6	Detected	20041.1	Detected	26713.1	Detected	19825.6	Detected	D17Wsu104e	0.92983641	1.25286564	0.9892471	1.3329159
A_51_P3978	45.6	Detected	46.8	Detected	43.6	Detected	42.4	Not Detect	En2	0.929824561	0.95614035	0.90598291	0.9316239
A_52_P3309	1146.9	Detected	644	Detected	758.7	Detected	1066.4	Detected	C2cd2	0.929810794	0.66152236	1.65590062	1.1781056
A_55_P1993	48926	Detected	36966.7	Detected	48340.4	Detected	45489.8	Detected	Hmgn2	0.929767404	0.9880309	1.23056156	1.3076742
A_55_P2154	397	Detected	340.5	Detected	273	Detected	369.1	Detected	Cbx1	0.929722922	0.68765743	1.08399413	0.8017621
A_51_P3967	48474.7	Detected	50688	Detected	47339.1	Detected	45067.9	Detected	Sugt1	0.92972004	0.97657335	0.88912366	0.9339311
A_52_P3325	44.1	Detected	33.1	Detected	46.8	Detected	41	Not Detect	Gm9798	0.929705215	1.06122449	1.23867069	1.4138973
A_55_P2067	25.6	Detected	34.7	Detected	26.3	Detected	23.8	Not Detect	Pcdhgb1	0.9296875	1.02734375	0.68587896	0.7579251
A_55_P2089	15466.7	Detected	17179.9	Detected	14186.5	Detected	14379	Detected	Sypl	0.929674721	0.91722863	0.83696645	0.8257615
A_55_P2061	170231	Detected	169824.8	Detected	189142.7	Detected	158259.3	Detected	Gm7634	0.929673796	1.11109434	0.93189746	1.1137519
A_55_P2133	62168.9	Detected	70151.3	Detected	47575.9	Detected	57795.5	Detected	Tax1bp3	0.929652929	0.76526849	0.82386927	0.6781899
A_51_P1222	28131.4	Detected	27173.8	Detected	25571.9	Detected	26151.5	Detected	Uchl5	0.929619571	0.90901626	0.9623792	0.9410498
A_55_P1977	11370.8	Detected	7431.6	Detected	9384.4	Detected	10570.3	Detected	Ulk1	0.92960038	0.82530693	1.42234512	1.2627698
A_55_P2086	2178.5	Detected	2011.7	Detected	1827.8	Detected	2025.1	Detected	Rad54l	0.929584577	0.83901767	1.00666103	0.9085848
A_55_P2002	39875.2	Detected	37927.6	Detected	48498.4	Detected	37066	Detected	Sumo1	0.929550197	1.21625471	0.97728303	1.27871
A_55_P2103	1288.7	Detected	1138.5	Detected	1743.4	Detected	1197.9	Detected	Golt1a	0.929541398	1.35283619	1.05217391	1.5313131
A_52_P4318	1574.9	Detected	617.3	Detected	1199.8	Detected	1463.9	Detected	Pknx1	0.929519335	0.76182615	2.37145634	1.9436255
A_65_P0928	2409	Detected	1896.6	Detected	3210.5	Detected	2239.2	Detected	2610524H06Rik	0.929514321	1.33271067	1.18063904	1.692766
A_52_P1623	1089.2	Detected	593.8	Detected	1005.4	Detected	1012.4	Detected	Gabbr1	0.929489534	0.9230628	1.70495116	1.6931627
A_52_P2441	3253.4	Detected	3940	Detected	1410.5	Detected	3023.7	Detected	Isoc1	0.929396939	0.43354644	0.76743655	0.3579949
A_55_P2125	364263.9	Detected	349792	Detected	367872.9	Detected	338510.5	Detected	Gm8842	0.929300158	1.00990765	0.96774798	1.0516904
A_55_P2165	4886.1	Detected	5292.3	Detected	6036.1	Detected	4540.4	Detected	Acs13	0.929248276	1.23536154	0.85792567	1.1405438
A_51_P3628	9771.2	Detected	9578.2	Detected	9661.5	Detected	9079.5	Detected	Fbxo38	0.929210332	0.98877313	0.94793385	1.0086968
A_52_P5785	292.1	Detected	305.7	Detected	290.8	Detected	271.4	Detected	Cdip1	0.929133858	0.99554947	0.8877985	0.9512594
A_51_P2377	191941.1	Detected	139226.5	Detected	190642.2	Detected	178331.3	Detected	Ptrf	0.929093873	0.99323282	1.28087182	1.3692954
A_51_P4991	11269.9	Detected	9962.8	Detected	10909.4	Detected	10470.4	Detected	Tram1	0.92905882	0.96801214	1.05094953	1.0950135
A_52_P1315	2358.6	Detected	2393.6	Detected	2141.5	Detected	2191	Detected	Srprb	0.928940897	0.90795387	0.91535762	0.8946775
A_52_P2447	5354.9	Detected	3248.4	Detected	3039.6	Detected	4974.1	Detected	Tbcel	0.928887561	0.56762965	1.53124615	0.9357222
A_55_P2047	7964.1	Detected	7219.6	Detected	7194.5	Detected	7397.6	Detected	Zc3h7b	0.928868296	0.90336636	1.02465511	0.9965234
A_55_P2017	105.4	Detected	88.2	Detected	72	Detected	97.9	Detected	Ezh1	0.928842505	0.68311195	1.10997732	0.8163265
A_55_P2126	1090.3	Detected	952.1	Detected	1244.4	Detected	1012.7	Detected	Gm5792	0.928826928	1.14133725	1.06364878	1.3070056
A_51_P4012	950.9	Detected	874.9	Detected	792.3	Detected	883	Detected	Eme1	0.928593964	0.83321064	1.0092582	0.9055892
A_51_P1304	40.6	Detected	41.8	Detected	36.5	Detected	37.7	Not Detect	Zcchc13	0.928571429	0.89901478	0.90191388	0.8732057
A_55_P2141	543	Detected	446.5	Detected	515.3	Detected	504.2	Detected	Ly6g6c	0.92854512	0.94898711	1.12922732	1.1540873

A_51_P1208	26.5	Detected	23	Detected	28	Detected	24.6	Not Detect	Olf868	0.928301887	1.05660377	1.06956522	1.2173913
A_55_P1977	9213.1	Detected	8823.7	Detected	6907.7	Detected	8552.5	Detected	Irf2bpl	0.92829775	0.74976935	0.96926459	0.7828575
A_51_P2658	52334.7	Detected	53776	Detected	54745.7	Detected	48580	Detected	Hspa9	0.928256014	1.04606886	0.90337697	1.0180322
A_55_P2110	57980.5	Detected	77207.9	Detected	55161.5	Detected	53819.2	Detected	Npm1	0.928229318	0.95138021	0.69706856	0.7144541
A_66_P1323	160.1	Detected	185.8	Detected	169.9	Detected	148.6	Detected	Crnk11	0.928169894	1.06121174	0.79978471	0.9144241
A_55_P1958	6539.6	Detected	5432.8	Detected	6350.5	Detected	6069.8	Detected	Gm9079	0.928160744	0.97108386	1.11725077	1.1689184
A_52_P5878	14747.6	Detected	19385.4	Detected	15430.6	Detected	13687.7	Detected	Ddx56	0.928130679	1.04631262	0.70608293	0.7959908
A_55_P2005	34790	Detected	21771.6	Detected	36770.7	Detected	32289.1	Detected	Klhl22	0.928114401	1.05693303	1.48308347	1.6889296
A_55_P2118	2021.3	Detected	2103.6	Detected	1816.8	Detected	1875.8	Detected	Tgs1	0.928016623	0.89882749	0.89170945	0.8636623
A_55_P1969	2375.4	Detected	2239.8	Detected	2985.6	Detected	2204.2	Detected	Adar	0.927927928	1.25688305	0.98410572	1.3329762
A_66_P1058	59123.2	Detected	48647	Detected	70426.2	Detected	54859.8	Detected	1700028B04Rik	0.927889559	1.19117707	1.12771188	1.4476987
A_51_P1187	7649.8	Detected	7363.3	Detected	7098.7	Detected	7097.4	Detected	Ahctf1	0.927788962	0.9279589	0.96388847	0.964065
A_55_P1992	49678.9	Detected	45284.6	Detected	46158.2	Detected	46090.1	Detected	Pafah1b1	0.927760075	0.92913088	1.0177875	1.0192913
A_55_P2186	6756.4	Detected	7257.3	Detected	5903	Detected	6268.3	Detected	Gm12620	0.927757386	0.87369013	0.86372342	0.8133879
A_55_P1998	413179.8	Detected	401385.2	Detected	420070.8	Detected	383314.8	Detected	Rpl9	0.927719119	1.01667797	0.9549799	1.0465528
A_51_P1870	14126	Detected	15726.8	Detected	15069.3	Detected	13104.8	Detected	Magohb	0.927707773	1.06677757	0.83327823	0.9581924
A_52_P6335	190.8	Detected	156	Detected	179.4	Detected	177	Detected	Nodal	0.927672956	0.94025157	1.13461538	1.15
A_51_P4643	70.5	Detected	582.1	Detected	263.3	Detected	65.4	Detected	Gnb4	0.927659574	3.73475177	0.11235183	0.4523278
A_55_P2149	1585.1	Detected	1660.9	Detected	1807.9	Detected	1470.4	Detected	Mapk1ip1l	0.927638635	1.14055896	0.88530315	1.0885062
A_55_P2104	143.7	Detected	128.5	Detected	123.1	Detected	133.3	Detected	Map3k10	0.927627001	0.85664579	1.03735409	0.9579767
A_52_P2711	3756.5	Detected	3950.1	Detected	4226.9	Detected	3484.5	Detected	Mtpap	0.927592174	1.12522295	0.88212957	1.0700742
A_55_P2160	5877.7	Detected	4551.6	Detected	2811.2	Detected	5452.1	Detected	Bicd2	0.927590724	0.47828232	1.19784252	0.617629
A_55_P1977	109.1	Detected	105.6	Detected	84.7	Detected	101.2	Detected	Arntl2	0.927589368	0.77635197	0.95833333	0.8020833
A_51_P2939	1569.9	Detected	1160.5	Detected	1029.4	Detected	1456.2	Detected	Plekho2	0.927575005	0.65571055	1.25480396	0.8870315
A_55_P2244	328.2	Detected	326.4	Detected	230.9	Detected	304.4	Detected	4930422G04Rik	0.927483242	0.70353443	0.93259804	0.7074142
A_55_P2180	766.4	Detected	988.1	Detected	1070.7	Detected	710.8	Detected	Fam60a	0.927453027	1.39705115	0.71936039	1.0835948
A_55_P1985	3712.1	Detected	3072.7	Detected	3537.7	Detected	3442.6	Detected	Wrap73	0.927399585	0.95301851	1.12038273	1.1513327
A_66_P1403	258.7	Detected	161.8	Detected	221.7	Detected	239.9	Detected	Wdr76	0.927328952	0.85697719	1.48269468	1.3702101
A_52_P5075	228.4	Detected	252.5	Detected	195.9	Detected	211.8	Detected	Slamf6	0.92732049	0.85770578	0.83881188	0.7758416
A_55_P2033	3294.9	Detected	2556.7	Detected	3915.2	Detected	3055.4	Detected	Crls1	0.927311906	1.18826065	1.19505613	1.531349
A_52_P4747	7681.8	Detected	7524.5	Detected	7301.4	Detected	7123.3	Detected	Denr	0.927295686	0.95048036	0.94668084	0.9703502
A_55_P2065	169656.1	Detected	156528	Detected	188832.1	Detected	157314.3	Detected	Rpl27a	0.927254016	1.11302865	1.00502338	1.2063791
A_52_P4372	53.6	Detected	56.9	Detected	70.5	Detected	49.7	Detected	Dna2	0.927238806	1.31529851	0.87346221	1.2390158
A_55_P2095	64312.8	Detected	57502.5	Detected	65446.9	Detected	59631.9	Detected	Usp5	0.927216666	1.01763413	1.03703143	1.1381575
A_55_P2083	14132	Detected	15652.1	Detected	14017.8	Detected	13103.4	Detected	Acp1	0.927214832	0.99191905	0.83716562	0.8955859
A_55_P2028	5624.9	Detected	7377.9	Detected	4836	Detected	5215.4	Detected	Ccser2	0.927198706	0.85974862	0.70689492	0.6554711
A_51_P1055	27829.8	Detected	24220.8	Detected	32081.1	Detected	25802.9	Detected	Eci1	0.927168	1.15276071	1.06531989	1.3245269
A_55_P2078	118	Detected	96.4	Detected	87.7	Detected	109.4	Detected	Ankrd13b	0.927118644	0.74322034	1.13485477	0.909751
A_52_P6149	4017.2	Detected	3259.7	Detected	4261.1	Detected	3724.4	Detected	Skiv2l	0.927113412	1.06071393	1.14255913	1.3072062
A_66_P1028	187.9	Detected	122	Detected	123.1	Detected	174.2	Detected	Thra	0.927088877	0.65513571	1.42786885	1.0090164

A_51_P2937	701.7	Detected	664.2	Detected	544.6	Detected	650.5	Detected	Fkbp1b	0.927034345	0.77611515	0.97937368	0.8199338
A_55_P1975	41.1	Detected	38.7	Detected	25.3	Detected	38.1	Not Detect	Rhox4e	0.927007299	0.61557178	0.98449612	0.6537468
A_55_P2093	12451.6	Detected	9682.1	Detected	12661.4	Detected	11542.7	Detected	Snapc4	0.927005365	1.01684924	1.19216905	1.3077122
A_55_P2023	1003.1	Detected	1259.4	Detected	1006.7	Detected	929.8	Detected	Pes1	0.926926528	1.00358887	0.73828807	0.7993489
A_55_P1996	2047.9	Detected	1493.8	Detected	1200	Detected	1898.2	Detected	Baz2b	0.926900728	0.58596611	1.27071897	0.8033204
A_52_P5552	7887.9	Detected	7666.8	Detected	7819.9	Detected	7311.1	Detected	Rgs19	0.926875341	0.9913792	0.95360515	1.0199692
A_55_P2062	35167.9	Detected	24130.1	Detected	34871	Detected	32591	Detected	Tsen34	0.926725793	0.99155764	1.35063676	1.4451246
A_55_P1990	13905.6	Detected	12930.9	Detected	12006.6	Detected	12886	Detected	Ppp3r1	0.926677022	0.86343631	0.9965277	0.9285201
A_51_P4325	3985.9	Detected	3237.7	Detected	3196.3	Detected	3693.6	Detected	Tlr9	0.926666499	0.8019017	1.14080983	0.9872131
A_55_P2126	13214.4	Detected	12180.8	Detected	17622.7	Detected	12243.8	Detected	Fam53c	0.926549824	1.3335982	1.00517207	1.4467605
A_55_P2041	6670.4	Detected	7670	Detected	6311.3	Detected	6179.7	Detected	Tyw5	0.926436196	0.94616515	0.80569752	0.8228553
A_52_P2004	3245.2	Detected	2734.5	Detected	2614.1	Detected	3006.2	Detected	Tcf12	0.926352767	0.80552816	1.09936003	0.95597
A_55_P2034	194	Detected	281.6	Detected	129.6	Detected	179.7	Detected	Rasal2	0.92628866	0.66804124	0.6381392	0.4602273
A_55_P2009	13219	Detected	12690.1	Detected	11817.9	Detected	12244.6	Detected	Sumo2	0.926287919	0.89400862	0.96489389	0.9312693
A_55_P2002	1574.9	Detected	1094.1	Detected	814.1	Detected	1458.7	Detected	Tnrc18	0.926217538	0.51692171	1.33324193	0.7440819
A_55_P2370	69.1	Detected	66.6	Detected	63.1	Detected	64	Detected	Syn3	0.926193922	0.91316932	0.96096096	0.9474474
A_55_P1965	4401.8	Detected	3137.8	Detected	3936.3	Detected	4076.9	Detected	Pi4k2a	0.926189286	0.89424781	1.29928612	1.2544777
A_55_P2073	81661.3	Detected	89711.5	Detected	94729.4	Detected	75633.8	Detected	Gm4832	0.926189027	1.16002807	0.84307809	1.0559337
A_51_P4694	431.4	Detected	374.2	Detected	347.7	Detected	399.5	Detected	Yes1	0.926054706	0.80598053	1.0676109	0.9291823
A_51_P1181	3100.7	Detected	2106.1	Detected	3005.3	Detected	2871.4	Detected	Zbtb43	0.926048957	0.96923275	1.36337306	1.4269503
A_51_P1813	80243.1	Detected	65981.9	Detected	89043.6	Detected	74304.5	Detected	Usmg5	0.925992391	1.10967298	1.12613459	1.3495155
A_55_P1977	905.8	Detected	800.5	Detected	867.5	Detected	838.7	Detected	Zbtb1	0.925921837	0.95771694	1.04772017	1.0836977
A_51_P2586	2552.2	Detected	1894.1	Detected	3105	Detected	2362.9	Detected	Rab4b	0.925828697	1.21659745	1.24750541	1.639301
A_55_P2137	129.4	Detected	74.6	Detected	97.6	Detected	119.8	Detected	Trem14	0.925811437	0.75425039	1.60589812	1.308311
A_55_P1990	256560	Detected	266445.2	Detected	267188.8	Detected	237504.2	Detected	Rpl15	0.925725756	1.04142813	0.89138104	1.0027908
A_55_P1984	188125	Detected	184965.3	Detected	200815.5	Detected	174127.7	Detected	Nme2	0.925595748	1.06745781	0.94140739	1.0856928
A_55_P2016	113225.2	Detected	106925.4	Detected	122907.5	Detected	104795.1	Detected	Rpl27a	0.925545727	1.08551365	0.98007676	1.1494696
A_55_P2015	3269.7	Detected	2749.6	Detected	3257.1	Detected	3026.2	Detected	Rif1	0.925528336	0.99614644	1.10059645	1.1845723
A_66_P1156	88.6	Detected	241.5	Detected	55.4	Detected	82	Detected	Rnf207	0.925507901	0.62528217	0.33954451	0.2293996
A_52_P3852	698	Detected	452.1	Detected	673.5	Detected	646	Detected	Harbi1	0.925501433	0.96489971	1.42888741	1.4897147
A_55_P2139	25.5	Detected	28.2	Detected	18.5	Detected	23.6	Not Detect	Krtap5-4	0.925490196	0.7254902	0.83687943	0.6560284
A_66_P1304	238.8	Detected	196.6	Detected	170.7	Detected	221	Detected	Arsb	0.925460637	0.71482412	1.12410987	0.8682604
A_55_P1956	822	Detected	712.6	Detected	655.3	Detected	760.7	Detected	Egfr	0.925425791	0.79720195	1.0674993	0.9195902
A_55_P2318	85.8	Detected	77.6	Detected	100.8	Detected	79.4	Detected	Uvssa	0.925407925	1.17482517	1.02319588	1.2989691
A_51_P3660	6111.7	Detected	5900	Detected	7526	Detected	5655.5	Detected	Ercc3	0.925356284	1.23140861	0.95855932	1.2755932
A_55_P2027	6945.6	Detected	7174	Detected	7301.5	Detected	6427	Detected	Gm3258	0.925334024	1.05124107	0.89587399	1.0177725
A_55_P1967	21.4	Detected	28.5	Detected	30.5	Detected	19.8	Not Detect	Hunk	0.925233645	1.42523364	0.69473684	1.0701754
A_52_P1274	294.1	Detected	194.3	Detected	254.2	Detected	272.1	Detected	Caprin1	0.925195512	0.86433186	1.40041173	1.3082862
A_52_P2892	4308.2	Detected	2552.2	Detected	3825.1	Detected	3985.8	Detected	Arid1b	0.925165963	0.887865	1.56171146	1.4987462
A_55_P2084	658.7	Detected	560.5	Detected	716.1	Detected	609.4	Detected	Rnf135	0.92515561	1.08714134	1.08724353	1.2776093

A_55_P2109	15420.9	Detected	12005.5	Detected	14342.1	Detected	14266.3	Detected	Kif20b	0.925127587	0.93004299	1.18831369	1.1946275
A_55_P2015	293171.3	Detected	250870.7	Detected	307317.8	Detected	271202.6	Detected	Gm5766	0.925065312	1.04825336	1.08104534	1.2250048
A_55_P2056	5297.5	Detected	5113.5	Detected	5317.4	Detected	4900.3	Detected	Pus1	0.925021236	1.00375649	0.95830644	1.0398748
A_52_P9123	21264.6	Detected	20155.3	Detected	20648.2	Detected	19669.1	Detected	Ccni	0.924969198	0.97101286	0.97587731	1.0244551
A_55_P2085	1135.2	Detected	986.2	Detected	1495.9	Detected	1050	Detected	Atg12	0.924947146	1.31774137	1.06469276	1.5168323
A_55_P2078	199.8	Detected	182.8	Detected	202.3	Detected	184.8	Detected	Mettl5	0.924924925	1.01251251	1.01094092	1.106674
A_55_P1962	8601.5	Detected	7429.5	Detected	8410.9	Detected	7955.2	Detected	Mff	0.924861943	0.97784107	1.07075846	1.132095
A_51_P4256	28773.4	Detected	23982.4	Detected	35820.5	Detected	26610	Detected	Mad211bp	0.9248125	1.24491718	1.10956368	1.4936162
A_55_P2030	9254.8	Detected	9262.4	Detected	8913.5	Detected	8558.3	Detected	Srsf2	0.924741756	0.96312184	0.92398298	0.9623316
A_55_P1974	33178.9	Detected	28769.7	Detected	33807.3	Detected	30676	Detected	Ict1	0.924563503	1.01893975	1.06626068	1.1751009
A_55_P2048	139963	Detected	134982	Detected	146952.8	Detected	129402.4	Detected	Rpl27	0.924547202	1.04994034	0.95866412	1.0886844
A_55_P2339	15.9	Detected	15.2	Not Detect	14.5	Not Detect	14.7	Not Detect	1700010B13Rik	0.924528302	0.91194969	0.96710526	0.9539474
A_55_P1993	9291.8	Detected	9013	Detected	9090.3	Detected	8590.5	Detected	Celf1	0.92452485	0.97831421	0.95312327	1.0085765
A_51_P4860	1363.2	Detected	1355.9	Detected	1025.6	Detected	1260.3	Detected	Zfp280b	0.924515845	0.75234742	0.92949333	0.756398
A_55_P1997	61412.4	Detected	49192.4	Detected	58468.9	Detected	56774.6	Detected	Xpnppe1	0.924481049	0.95206994	1.15413357	1.1885759
A_55_P2017	352	Detected	485.6	Detected	188.3	Detected	325.4	Detected	Tlcl1	0.924431818	0.53494318	0.67009885	0.3877677
A_55_P2024	56.9	Detected	78.7	Detected	49.1	Detected	52.6	Not Detect	Gm7104	0.924428822	0.8629174	0.66836086	0.6238882
A_55_P2043	1350.2	Detected	1117.4	Detected	1228.1	Detected	1248.1	Detected	2610020H08Rik	0.924381573	0.90956895	1.11696796	1.0990693
A_55_P2181	284068.1	Detected	266238.2	Detected	287361.9	Detected	262584.5	Detected	Gm10653	0.924371656	1.01159511	0.98627657	1.0793414
A_52_P5519	2047.4	Detected	1600.2	Detected	1727.9	Detected	1892.1	Detected	BC005537	0.9241477	0.84394842	1.1824147	1.0798025
A_51_P4534	7184.9	Detected	9521	Detected	5790.3	Detected	6639.9	Detected	2310044G17Rik	0.924146474	0.80589848	0.69739523	0.6081609
A_66_P1060	717	Detected	497.4	Detected	750.5	Detected	662.6	Detected	Orai1	0.924128312	1.04672245	1.33212706	1.508846
A_51_P1740	97300.5	Detected	88796.5	Detected	97988.2	Detected	89915.8	Detected	Slc39a7	0.924104193	1.0070678	1.01260523	1.1035142
A_55_P2144	136.9	Detected	97.7	Detected	82.5	Detected	126.5	Detected	Gm4354	0.92403214	0.60262966	1.29477994	0.8444217
A_55_P2108	2302.1	Detected	1969.8	Detected	2095.4	Detected	2127.1	Detected	Dgcr8	0.923982451	0.91021241	1.07985582	1.0637628
A_55_P1999	1273.1	Detected	957.3	Detected	1105.8	Detected	1176.3	Detected	Cdk12	0.923965124	0.86858848	1.22876841	1.1551238
A_55_P2146	242028.1	Detected	237617.6	Detected	273316.9	Detected	223622.3	Detected	LOC101056544	0.923951806	1.12927755	0.94110159	1.1502385
A_55_P1991	18.4	Detected	36.2	Detected	8.4	Not Detect	17	Not Detect	Samt2	0.923913043	0.45652174	0.46961326	0.2320442
A_55_P2013	8289.6	Detected	6392.2	Detected	6800	Detected	7657.9	Detected	Melk	0.923796082	0.82030496	1.19800695	1.0637965
A_52_P1068	151.8	Detected	134.9	Detected	222.8	Detected	140.2	Detected	Dmxl1	0.923583663	1.46772069	1.03928836	1.6515938
A_51_P4165	2540.4	Detected	3048.2	Detected	2386.3	Detected	2345.7	Detected	Hist1h1a	0.923358526	0.93934026	0.76953612	0.7828555
A_55_P1958	28.7	Detected	32.2	Detected	31.5	Detected	26.5	Not Detect	Bcl11a	0.923344948	1.09756098	0.82298137	0.9782609
A_55_P2072	20060.1	Detected	15463.6	Detected	21680.8	Detected	18521.4	Detected	Cdk9	0.923295497	1.08079222	1.19774179	1.4020539
A_55_P2145	1548.7	Detected	1383.9	Detected	1631.7	Detected	1429.9	Detected	Swt1	0.923290502	1.05359334	1.0332394	1.1790592
A_55_P1989	3025.9	Detected	2299.4	Detected	2492.4	Detected	2793.5	Detected	Thrap3	0.923196404	0.82368882	1.21488214	1.0839349
A_55_P2085	960.8	Detected	1525.8	Detected	804.7	Detected	887	Detected	Ophn1	0.923189009	0.83753122	0.58133438	0.5273955
A_55_P2051	450823.7	Detected	429139.8	Detected	461996.4	Detected	416164.3	Detected	Rps10	0.923119836	1.02478286	0.96976393	1.0765639
A_55_P2147	220043.2	Detected	239864.3	Detected	236292.8	Detected	203095.9	Detected	Gm13215	0.922981942	1.07384732	0.84671166	0.9851103
A_55_P2121	5997.6	Detected	5974.8	Detected	7400.9	Detected	5535.6	Detected	Adi1	0.922969188	1.23397692	0.92649126	1.2386858
A_52_P2356	88.1	Detected	57.4	Detected	61.2	Detected	81.3	Detected	4933413J09Rik	0.922814983	0.69466515	1.41637631	1.0662021

A_55_P2070	326963.8	Detected	287672.1	Detected	326790.9	Detected	301722.3	Detected	Rpl14	0.922800322	0.9994712	1.04884102	1.135984
A_55_P1961	249.9	Detected	229.9	Detected	159.6	Detected	230.6	Detected	Plagl1	0.922769108	0.63865546	1.0030448	0.6942149
A_55_P2020	980.8	Detected	704.5	Detected	862.1	Detected	905	Detected	Zbtb7b	0.92271615	0.87897635	1.28459901	1.2237048
A_52_P6573	20821.5	Detected	18797.5	Detected	21516.4	Detected	19211.6	Detected	Mrps17	0.922680883	1.03337416	1.02202953	1.1446416
A_66_P1349	640.1	Detected	664.1	Detected	575.3	Detected	590.6	Detected	Ttc19	0.922668333	0.89876582	0.8893239	0.8662852
A_55_P2031	1189.5	Detected	930.2	Detected	1184.2	Detected	1097.4	Detected	Crebzf	0.922572509	0.99554435	1.17974629	1.2730596
A_55_P2016	59326	Detected	23824.4	Detected	65585.1	Detected	54728.1	Detected	Ncoa4	0.922497724	1.10550349	2.29714494	2.7528542
A_55_P2149	624	Detected	742.5	Detected	449.2	Detected	575.5	Detected	Dtx3	0.922275641	0.71987179	0.77508418	0.6049832
A_51_P3215	706.5	Detected	888.9	Detected	347.3	Detected	651.5	Detected	Purg	0.922151451	0.4915782	0.73292834	0.3907076
A_55_P2062	77	Detected	48.2	Detected	156	Detected	71	Detected	Gm4924	0.922077922	2.02597403	1.47302905	3.2365145
A_66_P1258	5996.4	Detected	5979.2	Detected	4514.7	Detected	5528.9	Detected	Pnn	0.922036555	0.75290174	0.92468892	0.7550676
A_55_P1999	4229.1	Detected	2727.7	Detected	2595	Detected	3898.9	Detected	Dip2a	0.921921922	0.61360573	1.42937273	0.951351
A_52_P4915	71.7	Detected	56.4	Detected	74.4	Detected	66.1	Detected	Zfp759	0.921896792	1.0376569	1.17198582	1.3191489
A_66_P1264	132331.8	Detected	131380.1	Detected	105995.2	Detected	121989.1	Detected	Eif1	0.921842671	0.80098057	0.92852038	0.8067828
A_51_P3750	1317.6	Detected	1281.9	Detected	1156.2	Detected	1214.6	Detected	Lmbrd2	0.921827565	0.87750455	0.9474998	0.9019424
A_51_P3662	89.5	Detected	100.6	Detected	107.3	Detected	82.5	Detected	Zfp799	0.921787709	1.19888268	0.82007952	1.0666004
A_55_P2136	30140.3	Detected	43250.9	Detected	32925.3	Detected	27778.9	Detected	Cd99	0.921653069	1.0924012	0.64227334	0.7612628
A_55_P2081	332503.1	Detected	326328.5	Detected	325178.2	Detected	306451.2	Detected	Rpl7	0.921649152	0.97797043	0.93908807	0.996475
A_55_P2110	12480.8	Detected	10794.6	Detected	15068.7	Detected	11502.9	Detected	Tm2d3	0.921647651	1.20735049	1.06561614	1.395948
A_55_P2089	22553.6	Detected	22965.2	Detected	19035	Detected	20786.2	Detected	Xpo1	0.92163557	0.84398943	0.90511731	0.8288628
A_51_P3095	3079.9	Detected	3322.4	Detected	2550.6	Detected	2838.3	Detected	Pex14	0.921555895	0.82814377	0.85429208	0.767698
A_51_P3026	8076.4	Detected	5604.2	Detected	7293.4	Detected	7442.3	Detected	Topbp1	0.921487296	0.90305086	1.32798615	1.3014168
A_51_P4626	37606.9	Detected	35366.1	Detected	35207.6	Detected	34654.1	Detected	Ptbp1	0.921482494	0.93620054	0.97986773	0.9955183
A_52_P5033	67.4	Detected	44.9	Detected	58.5	Detected	62.1	Detected	Dcun1d3	0.921364985	0.86795252	1.3830735	1.3028953
A_55_P1991	194.3	Detected	162.7	Detected	131	Detected	179	Detected	Stat3	0.92125579	0.67421513	1.10018439	0.8051629
A_52_P1759	1116.6	Detected	1021	Detected	938.2	Detected	1028.6	Detected	Map3k7	0.921189325	0.84022927	1.00744368	0.918903
A_51_P3566	60.9	Detected	73.7	Detected	60.7	Detected	56.1	Detected	Shc4	0.921182266	0.99671593	0.76119403	0.8236092
A_52_P6370	158.4	Detected	201.3	Detected	146	Detected	145.9	Detected	Fam49b	0.921085859	0.92171717	0.72478887	0.7252856
A_51_P1277	10319.5	Detected	13091	Detected	10370.5	Detected	9505	Detected	Ddx20	0.921071757	1.0049421	0.72607135	0.7921855
A_52_P4580	6555.3	Detected	6127.1	Detected	7899.5	Detected	6037.9	Detected	AI467606	0.921071499	1.20505545	0.98544173	1.2892722
A_52_P1616	4735.8	Detected	3801	Detected	4220.4	Detected	4362	Detected	St6gal1	0.921069302	0.89116939	1.14759274	1.1103394
A_51_P2424	15.2	Detected	11.3	Not Detect	25.7	Detected	14	Not Detect	Prss42	0.921052632	1.69078947	1.23893805	2.2743363
A_55_P2212	11.4	Not Detect	15.4	Not Detect	51.8	Detected	10.5	Not Detect	4933435G04Rik	0.921052632	4.54385965	0.68181818	3.3636364
A_66_P1220	59774	Detected	65013.1	Detected	55728.1	Detected	55054.3	Detected	Zfp622	0.921040921	0.93231338	0.84681856	0.8571826
A_55_P1984	124.1	Detected	87.1	Detected	94.9	Detected	114.3	Detected	Depdc5	0.921031426	0.76470588	1.31228473	1.0895522
A_55_P1990	4194.7	Detected	2547.3	Detected	3139.1	Detected	3862.6	Detected	Osbpl11	0.920828665	0.74834911	1.51635065	1.2323244
A_52_P6181	640.3	Detected	577	Detected	635.7	Detected	589.6	Detected	Manea	0.920818366	0.99281587	1.02183709	1.1017331
A_51_P4661	95543.8	Detected	102898	Detected	100258.9	Detected	87974.7	Detected	C1qbp	0.920778742	1.04935014	0.85496997	0.9743523
A_51_P1481	39699.3	Detected	33230.2	Detected	39265	Detected	36552.5	Detected	Sdf2	0.920734119	0.98906026	1.09997833	1.1816059
A_51_P3088	2605.1	Detected	2371.3	Detected	2192.1	Detected	2398.6	Detected	Toe1	0.92073241	0.84146482	1.01151267	0.9244296

A_66_P1301	653.4 Detected	474.2 Detected	598.5 Detected	601.6 Detected	Fads2	0.920722375	0.91597796	1.26866301	1.2621257
A_52_P5294	8144.4 Detected	9379.3 Detected	7467.8 Detected	7497.8 Detected	Wdr77	0.920608025	0.91692451	0.79939868	0.7962001
A_51_P4195	7143.7 Detected	6904.5 Detected	8408.6 Detected	6574.6 Detected	Polr2d	0.9203354	1.17706511	0.95221957	1.2178434
A_51_P2716	5279.5 Detected	4120.5 Detected	3275.5 Detected	4858.8 Detected	Rev3l	0.920314424	0.6204186	1.17917728	0.7949278
A_55_P2052	153.1 Detected	95.3 Detected	69.1 Detected	140.9 Detected	Cask	0.920313521	0.45133899	1.47848898	0.7250787
A_55_P1955	2727.6 Detected	2777.1 Detected	3001 Detected	2510.1 Detected	Alg6	0.920259569	1.10023464	0.90385654	1.0806237
A_55_P2032	13002.8 Detected	10649.7 Detected	11362.4 Detected	11964.6 Detected	Brap	0.920155659	0.87384256	1.12346827	1.0669221
A_55_P1981	231.5 Detected	189.8 Detected	314.8 Detected	213 Detected	Trub2	0.920086393	1.35982721	1.12223393	1.658588
A_52_P6756	1475.8 Detected	1404.1 Detected	1662.9 Detected	1357.8 Detected	Agbl3	0.920043366	1.1267787	0.96702514	1.1843174
A_55_P1976	82.5 Detected	70.4 Detected	69.9 Detected	75.9 Detected	Gimap4	0.92	0.84727273	1.078125	0.9928977
A_55_P2188	20 Detected	26.9 Detected	21.3 Detected	18.4 Not Detect	4930594M17Rik	0.92	1.065	0.68401487	0.7918216
A_51_P2791	43968.6 Detected	32059.1 Detected	48235.1 Detected	40449.4 Detected	Fam173a	0.919961063	1.09703516	1.26171352	1.5045681
A_52_P2581	605.6 Detected	505.3 Detected	385.8 Detected	557.1 Detected	Prdm2	0.919914135	0.63705416	1.10251336	0.7635068
A_52_P5891	6567.6 Detected	3595.3 Detected	4594 Detected	6041.6 Detected	201011101Rik	0.919909861	0.69949449	1.6804161	1.2777793
A_55_P2455	2469.5 Detected	2343.5 Detected	1870.3 Detected	2271.7 Detected	Klhl20	0.919902814	0.75735979	0.96936207	0.7980798
A_51_P1067	113.6 Detected	141.1 Detected	150 Detected	104.5 Detected	Rnmt	0.919894366	1.32042254	0.7406095	1.0630758
A_55_P2101	601.3 Detected	524.1 Detected	817.7 Detected	553.1 Detected	Nubpl	0.919840346	1.35988691	1.05533295	1.5601984
A_55_P2147	810.8 Detected	630.3 Detected	712.6 Detected	745.8 Detected	Cyth3	0.919832264	0.87888505	1.18324607	1.1305727
A_55_P2112	891.4 Detected	654.6 Detected	865.2 Detected	819.9 Detected	Diap1	0.919789096	0.97060803	1.25252062	1.3217232
A_55_P2180	209834.8 Detected	196004.1 Detected	215703 Detected	192997.4 Detected	Rpl31	0.919758782	1.02796581	0.98466001	1.1005025
A_66_P1368	26666.4 Detected	22502.5 Detected	27751.5 Detected	24525.9 Detected	Nadk	0.919730447	1.04069166	1.0899189	1.233263
A_55_P2107	27.4 Detected	23.8 Detected	14 Not Detect	25.2 Not Detect	Nol9	0.919708029	0.51094891	1.05882353	0.5882353
A_52_P6949	686.2 Detected	607.5 Detected	573.8 Detected	631.1 Detected	Zfp933	0.919702711	0.83619936	1.03884774	0.9445267
A_55_P2085	121.9 Detected	125.6 Detected	96.8 Detected	112.1 Detected	Supt6	0.919606235	0.79409352	0.89251592	0.7707006
A_51_P1062	1108.1 Detected	1131 Detected	1332.2 Detected	1019 Detected	Camk1	0.919592095	1.20223807	0.90097259	1.1778957
A_55_P1956	30599.9 Detected	28632.2 Detected	28249.8 Detected	28138.8 Detected	Med28	0.919571633	0.9231991	0.98276765	0.9866444
A_52_P4757	304.6 Detected	240.1 Detected	255.6 Detected	280.1 Detected	Nln	0.919566645	0.83913329	1.16659725	1.0645564
A_55_P1994	26.1 Detected	24 Detected	41.2 Detected	24 Not Detect	Rorc	0.91954023	1.57854406	1	1.7166667
A_55_P2004	295.8 Detected	287.3 Detected	253.9 Detected	272 Detected	Cd300lf	0.91954023	0.85835024	0.94674556	0.8837452
A_55_P2012	206.3 Detected	162.7 Detected	167.4 Detected	189.7 Detected	Rnf167	0.919534658	0.81143965	1.1659496	1.0288875
A_55_P2064	5497.2 Detected	4004.5 Detected	3690.1 Detected	5054.7 Detected	Rapgef2	0.919504475	0.67126901	1.26225496	0.9214883
A_55_P2122	1332.9 Detected	1109 Detected	1114.7 Detected	1225.6 Detected	Kcnk4	0.919498837	0.8362968	1.10513977	1.0051398
A_55_P2065	2821.7 Detected	3207 Detected	2593.9 Detected	2594.5 Detected	Rbm26	0.919481164	0.91926853	0.80901154	0.8088244
A_55_P2179	1108 Detected	1016.6 Detected	1122.3 Detected	1018.7 Detected	Lig3	0.919404332	1.01290614	1.00206571	1.103974
A_52_P2632	2155.5 Detected	2171.1 Detected	2248.1 Detected	1981.7 Detected	Tmem33	0.919369056	1.04295987	0.91276312	1.0354659
A_55_P1956	327969.9 Detected	276034.3 Detected	348664 Detected	301517.7 Detected	Rpl24	0.919345647	1.06309756	1.09231969	1.2631184
A_55_P1982	153.7 Detected	136.8 Detected	135.4 Detected	141.3 Detected	Vmn1r204	0.919323357	0.88093689	1.03289474	0.9897661
A_51_P3631	6055.1 Detected	4772.5 Detected	7081.6 Detected	5566.5 Detected	Blvra	0.919307691	1.16952651	1.16636983	1.4838345
A_55_P2172	5263.2 Detected	5805 Detected	4362.5 Detected	4838.3 Detected	Nup155	0.919269646	0.82886837	0.83347115	0.7515073
A_52_P3883	54.5 Detected	60.7 Detected	50.4 Detected	50.1 Detected	Prdx6	0.919266055	0.92477064	0.82537068	0.830313

A_52_P2352	302.2	Detected	299.5	Detected	260.3	Detected	277.8	Detected	Fntb	0.919258769	0.8613501	0.92754591	0.8691152
A_52_P5697	466.8	Detected	330.4	Detected	352.8	Detected	429.1	Detected	Mphosph9	0.919237361	0.75578406	1.29872881	1.0677966
A_55_P2165	33.4	Detected	25.8	Detected	26.8	Detected	30.7	Not Detect	Ankrd42	0.919161677	0.80239521	1.18992248	1.0387597
A_51_P1431	86418.8	Detected	75694.2	Detected	91504.9	Detected	79431	Detected	Mrpl12	0.91914028	1.05885409	1.04936706	1.208876
A_55_P1953	258.3	Detected	194.4	Detected	228.5	Detected	237.4	Detected	Luc7l2	0.919086334	0.88463027	1.22119342	1.1754115
A_51_P1707	11630.6	Detected	12278.7	Detected	12054.7	Detected	10688.9	Detected	Grwd1	0.919032552	1.03646415	0.87052375	0.981757
A_52_P3672	125.9	Detected	152.7	Detected	87.7	Detected	115.7	Detected	Fsd1l	0.91898332	0.69658459	0.75769483	0.5743287
A_66_P1180	18029.1	Detected	15672.9	Detected	17542.4	Detected	16568.1	Detected	Rab3ip	0.918964341	0.97300475	1.0571177	1.1192823
A_55_P2011	37	Detected	34.1	Detected	34.8	Detected	34	Not Detect	Pdzk1	0.918918919	0.94054054	0.99706745	1.0205279
A_55_P2162	67.8	Detected	52.6	Detected	61.8	Detected	62.3	Detected	Nit1	0.918879056	0.91150442	1.18441065	1.1749049
A_55_P2064	3023.4	Detected	2663.7	Detected	2570.4	Detected	2778	Detected	Cdc27	0.918833102	0.85016868	1.04291024	0.9649735
A_52_P3190	27.1	Detected	16.8	Not Detect	19.4	Detected	24.9	Not Detect	Mex3b	0.918819188	0.71586716	1.48214286	1.1547619
A_55_P2013	34495.6	Detected	30163.9	Detected	27043.3	Detected	31691.7	Detected	Ddx3x	0.91871717	0.78396375	1.05064995	0.8965452
A_51_P1293	13314.2	Detected	12266.5	Detected	13007	Detected	12229.8	Detected	Mob4	0.918553124	0.97692689	0.99700811	1.0603677
A_51_P1609	3215.2	Detected	2212.2	Detected	2866.1	Detected	2953.2	Detected	Morc3	0.918512068	0.891422	1.33496067	1.2955881
A_51_P4651	67321.8	Detected	63722.7	Detected	64767	Detected	61832.8	Detected	Ctsb	0.918466232	0.96205093	0.97034181	1.0163882
A_66_P1298	83.2	Detected	58.9	Detected	71.2	Detected	76.4	Detected	1700047M11Rik	0.918269231	0.85576923	1.29711375	1.2088285
A_51_P2235	1738.7	Detected	1132.3	Detected	1507.3	Detected	1596.5	Detected	Tbc1d23	0.918214758	0.86691206	1.40996202	1.3311843
A_51_P4744	33837.1	Detected	33252.7	Detected	36671	Detected	31068.1	Detected	Ift27	0.918166746	1.08375127	0.93430308	1.1027977
A_55_P2172	67.1	Detected	52	Detected	58.5	Detected	61.6	Detected	Kcne1l	0.918032787	0.87183308	1.18461538	1.125
A_55_P2052	73342.5	Detected	58258.6	Detected	71564.1	Detected	67328.6	Detected	Ctbp1	0.918002522	0.97575212	1.15568517	1.2283869
A_55_P2110	18311.3	Detected	18058.9	Detected	13953.1	Detected	16809.1	Detected	Figl1	0.917963225	0.76199396	0.93079313	0.772644
A_52_P5564	767.9	Detected	796.6	Detected	796.2	Detected	704.9	Detected	Fancd2	0.917958067	1.03685376	0.88488576	0.9994979
A_52_P1558	2212.4	Detected	2469.2	Detected	2627.5	Detected	2030.8	Detected	2010204K13Rik	0.917917194	1.1876243	0.82245262	1.0641098
A_52_P3452	4832.6	Detected	3768.3	Detected	5119.8	Detected	4435.9	Detected	Tfb1m	0.917911683	1.05942971	1.17716212	1.3586498
A_55_P1997	34434.8	Detected	37505.6	Detected	35618	Detected	31605.5	Detected	Nhp2l1	0.917836026	1.03436059	0.84268749	0.9496715
A_51_P1421	502	Detected	351.8	Detected	491.2	Detected	460.7	Detected	Hspa13	0.917729084	0.97848606	1.30955088	1.3962479
A_55_P2032	21913.1	Detected	18199.6	Detected	19548.3	Detected	20109.9	Detected	Rbm10	0.917711323	0.89208282	1.10496385	1.074106
A_55_P2036	9086.3	Detected	7803.6	Detected	11280.3	Detected	8338.6	Detected	Pnkd	0.91771128	1.24146242	1.0685581	1.4455251
A_55_P1982	6574.6	Detected	4801.7	Detected	6274.6	Detected	6033.2	Detected	Sgsm2	0.917652785	0.95436985	1.25647167	1.3067455
A_55_P2153	928.6	Detected	788.3	Detected	837	Detected	852.1	Detected	Ccdc127	0.917617919	0.90135688	1.08093365	1.0617785
A_55_P1967	2823.9	Detected	2189.7	Detected	2462.2	Detected	2591.2	Detected	Tmem158	0.917596232	0.87191473	1.18335845	1.1244463
A_55_P2000	18.2	Detected	17.6	Not Detect	16.8	Not Detect	16.7	Not Detect	Olf1340	0.917582418	0.92307692	0.94886364	0.9545455
A_55_P1976	2682.6	Detected	2728.9	Detected	1935.1	Detected	2461.5	Detected	Psme4	0.91757996	0.72135242	0.9020118	0.7091136
A_55_P1997	3282.7	Detected	2432	Detected	3326.6	Detected	3012.1	Detected	Fam135a	0.917567856	1.01337314	1.23852796	1.3678454
A_51_P1978	2457.6	Detected	2214.9	Detected	2162.7	Detected	2255	Detected	Exo5	0.917561849	0.88000488	1.01810465	0.9764323
A_55_P2132	1899.7	Detected	1728	Detected	1686	Detected	1743	Detected	Nfx1	0.917513292	0.88750855	1.00868056	0.9756944
A_51_P1582	25353.8	Detected	26328.6	Detected	25845.5	Detected	23261.2	Detected	Mcm2	0.917464049	1.01939354	0.88349551	0.9816511
A_51_P3656	4030.9	Detected	3779.1	Detected	4277.3	Detected	3697.8	Detected	Tmem101	0.917363368	1.06112779	0.97848694	1.1318303
A_52_P1976	8621.3	Detected	6380	Detected	5933.6	Detected	7908.6	Detected	Med12	0.917332653	0.68824887	1.23959248	0.9300313

A_55_P2008	7881.4	Detected	6419	Detected	7144.7	Detected	7229.2	Detected	Wtap	0.917248205	0.90652676	1.12621904	1.113055
A_55_P2099	30.2	Detected	27.6	Detected	19	Detected	27.7	Not Detect	F730043M19Rik	0.917218543	0.62913907	1.00362319	0.6884058
A_52_P1817	2708.3	Detected	1988.4	Detected	2692	Detected	2484.1	Detected	Crkl	0.917217443	0.99398146	1.24929592	1.3538523
A_55_P2093	3727.8	Detected	3919.6	Detected	5056	Detected	3418.7	Detected	Coil	0.917082462	1.35629594	0.87220635	1.2899275
A_55_P2182	187133.5	Detected	149291.3	Detected	178380.1	Detected	171612.6	Detected	Rpl39	0.917059746	0.95322377	1.14951508	1.1948459
A_51_P3119	2601.7	Detected	2318.8	Detected	2823.5	Detected	2385.8	Detected	Ptk2b	0.917015797	1.08525195	1.02889426	1.2176557
A_55_P2213	342	Detected	259.1	Detected	263.4	Detected	313.6	Detected	Cgnl1	0.916959064	0.77017544	1.2103435	1.0165959
A_51_P4117	19239.2	Detected	20973.6	Detected	14842.7	Detected	17640.2	Detected	Ankrd13b	0.916888436	0.77148218	0.84106687	0.7076849
A_55_P2126	230.7	Detected	162.6	Detected	318.4	Detected	211.5	Detected	Gfpt1	0.916775033	1.38014738	1.30073801	1.9581796
A_55_P2122	2016.3	Detected	1961	Detected	1925.2	Detected	1848.4	Detected	Emc1	0.916728661	0.95481823	0.94258032	0.981744
A_51_P3933	9.6	Not Detect	16.7	Detected	18.6	Detected	8.8	Not Detect	Gfpt1	0.916666667	1.9375	0.52694611	1.1137725
A_55_P2038	9.6	Not Detect	17.1	Detected	9.7	Not Detect	8.8	Not Detect	Gm9962	0.916666667	1.01041667	0.51461988	0.5672515
A_55_P2088	279.5	Detected	276.7	Detected	333.2	Detected	256.2	Detected	Vmn1r87	0.916636852	1.1921288	0.92591254	1.2041923
A_55_P1986	19049.4	Detected	17736.1	Detected	16935.3	Detected	17461	Detected	Ddx54	0.916616796	0.88902013	0.98448926	0.9548491
A_51_P4889	5715.2	Detected	6432.6	Detected	6579.3	Detected	5238.4	Detected	Oaf	0.916573348	1.15119331	0.8143519	1.0228057
A_66_P1239	3743	Detected	3313.8	Detected	3682.4	Detected	3430.6	Detected	Smim13	0.916537537	0.98380978	1.03524654	1.1112318
A_55_P2134	10859.5	Detected	8621.6	Detected	8474.9	Detected	9952.9	Detected	Msl3	0.916515493	0.78041346	1.15441449	0.9829846
A_52_P2953	31085.8	Detected	28794.1	Detected	30889.8	Detected	28489.9	Detected	Wdr46	0.916492418	0.99369487	0.98943534	1.0727823
A_55_P2155	15663.9	Detected	11868.4	Detected	12660.8	Detected	14355.8	Detected	Ssbp2	0.916489508	0.80827891	1.20958175	1.0667655
A_66_P1013	28.7	Detected	32.6	Detected	27.6	Detected	26.3	Not Detect	D430020J02Rik	0.916376307	0.96167247	0.80674847	0.8466258
A_55_P2048	229499	Detected	208951.6	Detected	247442	Detected	210301.3	Detected	Rpl27a	0.916349527	1.07818335	1.00645939	1.1842073
A_52_P2096	136725.3	Detected	135761.3	Detected	118731.5	Detected	125283.9	Detected	Hnrnpab	0.91631834	0.86839451	0.92282484	0.8745607
A_51_P3687	19522.1	Detected	16767.9	Detected	18842.2	Detected	17888	Detected	Tmbim4	0.916294866	0.9651728	1.06680026	1.1237066
A_55_P1955	884.5	Detected	942.7	Detected	953.7	Detected	810.4	Detected	4933415F23Rik	0.916223855	1.07823629	0.85965843	1.0116686
A_51_P4106	4633	Detected	3176.1	Detected	3845	Detected	4244.8	Detected	Dpp9	0.916209799	0.82991582	1.33648185	1.2106042
A_52_P3164	1618.8	Detected	897.7	Detected	1413.2	Detected	1483.1	Detected	1810013L24Rik	0.916172473	0.87299234	1.65211095	1.5742453
A_55_P2419	215.8	Detected	182.5	Detected	152.9	Detected	197.7	Detected	4732460I02Rik	0.916126043	0.70852641	1.08328767	0.8378082
A_51_P2062	9729.5	Detected	8739.1	Detected	9628.7	Detected	8913.1	Detected	Ahcy11	0.916090241	0.98963976	1.01991052	1.1017954
A_55_P2165	14.3	Detected	12.6	Not Detect	14	Not Detect	13.1	Not Detect	Nxph4	0.916083916	0.97902098	1.03968254	1.1111111
A_55_P1998	541.9	Detected	588.5	Detected	563.6	Detected	496.4	Detected	Wbp4	0.916036169	1.04004429	0.84350042	0.957689
A_55_P2072	6187.4	Detected	7416.2	Detected	6891.9	Detected	5667.8	Detected	Chsy1	0.916022885	1.11386043	0.76424584	0.9293034
A_55_P2060	73.7	Detected	77.7	Detected	52.5	Detected	67.5	Detected	Gm13807	0.91587517	0.71234735	0.86872587	0.6756757
A_55_P2093	178.2	Detected	153.4	Detected	157.2	Detected	163.2	Detected	Zbtb14	0.915824916	0.88215488	1.06388527	1.0247718
A_52_P2127	235.1	Detected	139.2	Detected	238.2	Detected	215.3	Detected	Tor1aip2	0.915780519	1.01318588	1.5466954	1.7112069
A_55_P2013	251.7	Detected	214.1	Detected	263.6	Detected	230.5	Detected	Gm11677	0.915772745	1.04727851	1.07659972	1.2312004
A_51_P1041	43.9	Detected	28.4	Detected	33.3	Detected	40.2	Not Detect	Zfp128	0.91571754	0.75854214	1.41549296	1.1725352
A_51_P2595	1246.9	Detected	1418	Detected	1242.3	Detected	1141.8	Detected	Gpatch3	0.915710963	0.99631085	0.80521862	0.8760931
A_55_P2073	860	Detected	538.3	Detected	831.8	Detected	787.5	Detected	1600014C10Rik	0.915697674	0.9672093	1.46293888	1.545235
A_55_P2118	67.6	Detected	45.8	Detected	56.4	Detected	61.9	Detected	Olf1r1349	0.915680473	0.83431953	1.35152838	1.231441
A_51_P3844	1072.9	Detected	1174.2	Detected	887.7	Detected	982.3	Detected	Tmem201	0.91555597	0.82738373	0.83656958	0.7560041

A_55_P1963	2278.2	Detected	1865.4	Detected	2263.8	Detected	2085.8	Detected	Zfp689	0.915547362	0.99367922	1.1181516	1.2135735
A_55_P1997	4620.8	Detected	3661.2	Detected	3934.4	Detected	4230.1	Detected	Mtr	0.915447542	0.85145429	1.15538621	1.0746203
A_51_P3392	1709.8	Detected	1422.8	Detected	1630.4	Detected	1565.2	Detected	Abhd16a	0.915428705	0.95356182	1.10008434	1.1459095
A_55_P2107	12978.8	Detected	12004.6	Detected	11579	Detected	11879.6	Detected	Hnrnpk	0.915308041	0.89214719	0.98958732	0.9645469
A_55_P2145	727.3	Detected	573.6	Detected	555.3	Detected	665.7	Detected	Thoc2	0.915303176	0.76350887	1.16056485	0.9680962
A_52_P6083	4286.8	Detected	4094.2	Detected	3375.7	Detected	3923.6	Detected	Maff	0.915274797	0.78746384	0.9583313	0.8245078
A_51_P3357	2622.1	Detected	1335.7	Detected	902.6	Detected	2399.9	Detected	Afap1	0.915258762	0.34422791	1.79673579	0.6757505
A_55_P2216	384.7	Detected	281.3	Detected	340.1	Detected	352.1	Detected	Tmem87a	0.915258643	0.88406551	1.25168859	1.2090295
A_52_P5113	12982.8	Detected	9933.4	Detected	9546	Detected	11882.4	Detected	Tesk1	0.915241704	0.73528053	1.19620674	0.9610003
A_55_P2122	21551.2	Detected	20267	Detected	29206.5	Detected	19723.4	Detected	Dtymk	0.915188017	1.35521456	0.97317807	1.4410865
A_55_P2322	10.6	Not Detect	18.6	Detected	6.1	Not Detect	9.7	Not Detect	C78859	0.91509434	0.5754717	0.52150538	0.327957
A_52_P2199	2021	Detected	1608.6	Detected	1928.7	Detected	1849.3	Detected	Spg21	0.915042058	0.95432954	1.14963322	1.1989929
A_55_P1968	98766.2	Detected	93116.4	Detected	100770.4	Detected	90374.1	Detected	Btf3	0.915030648	1.02029237	0.97054976	1.0821982
A_55_P2264	90.6	Detected	62.1	Detected	38.8	Detected	82.9	Detected	B230334L07Rik	0.915011038	0.42825607	1.33494364	0.6247987
A_55_P2108	8920.8	Detected	7660.7	Detected	10217.6	Detected	8162.6	Detected	Arhgap22	0.915007623	1.14536813	1.06551621	1.3337685
A_52_P7933	182.3	Detected	176.8	Detected	126.4	Detected	166.8	Detected	BC065397	0.914975315	0.69336259	0.94343891	0.7149321
A_52_P1639	13920.8	Detected	12870.5	Detected	14450.8	Detected	12736.9	Detected	Poldip2	0.9149546	1.03807252	0.98961967	1.1227847
A_51_P1932	172.8	Detected	156	Detected	165.3	Detected	158.1	Detected	Iqcf1	0.914930556	0.95659722	1.01346154	1.0596154
A_55_P2135	14.1	Detected	3.1	Not Detect	3.2	Not Detect	12.9	Not Detect	Gm13023	0.914893617	0.22695035	4.16129032	1.0322581
A_55_P1963	9768.9	Detected	3618.5	Detected	9711.9	Detected	8937	Detected	Oxr1	0.914841999	0.99416516	2.46980793	2.6839574
A_55_P1953	3811.4	Detected	4021.9	Detected	3257.1	Detected	3486.1	Detected	Mccc1	0.914650784	0.85456788	0.86677938	0.8098411
A_55_P2047	19386.2	Detected	12689.7	Detected	21379.1	Detected	17731.2	Detected	Ufd1l	0.914629995	1.10279993	1.39729072	1.6847601
A_55_P2111	28339.6	Detected	25561.6	Detected	27699.7	Detected	25919.4	Detected	Dnajc7	0.914600065	0.97742029	1.01399756	1.083645
A_52_P2310	46.8	Detected	39.6	Detected	31.9	Detected	42.8	Not Detect	Fcrls	0.914529915	0.68162393	1.08080808	0.8055556
A_51_P4435	2899.4	Detected	2274.5	Detected	2681.6	Detected	2651.5	Detected	1700001K19Rik	0.914499552	0.92488101	1.16575071	1.1789844
A_51_P3699	9159.4	Detected	7319.7	Detected	8730.2	Detected	8375.6	Detected	Fra10ac1	0.914426709	0.95314104	1.14425455	1.1926992
A_55_P1990	3737.8	Detected	2190.2	Detected	4557.1	Detected	3417.5	Detected	Nxt2	0.914307882	1.21919311	1.56035978	2.0806776
A_51_P1213	51736.4	Detected	34287.5	Detected	49360.1	Detected	47302.2	Detected	Anapc11	0.914292452	0.95406909	1.37957565	1.4395946
A_55_P1960	176.1	Detected	149.8	Detected	176.7	Detected	161	Detected	Mob1b	0.914253265	1.00340716	1.07476636	1.1795728
A_55_P1963	56190	Detected	55075.8	Detected	48147.2	Detected	51370.3	Detected	G3bp1	0.914224951	0.85686421	0.93272	0.8741988
A_55_P2111	71.1	Detected	355.3	Detected	38.4	Detected	65	Detected	Trpv2	0.914205345	0.54008439	0.18294399	0.1080777
A_51_P4951	19361.1	Detected	15837.7	Detected	14937.8	Detected	17697.5	Detected	Pbdc1	0.91407513	0.77153674	1.11742867	0.9431799
A_55_P1971	10590.6	Detected	7827.8	Detected	1234.4	Detected	9680.3	Detected	Atp11a	0.914046419	0.11655619	1.23665653	0.1576944
A_51_P4854	8058.1	Detected	6098.7	Detected	6305.3	Detected	7365.4	Detected	Prrc2a	0.914036808	0.78247974	1.2077	1.0338761
A_51_P4878	1259.1	Detected	1197.5	Detected	1230.9	Detected	1150.8	Detected	Cyp4f16	0.913986181	0.97760305	0.96100209	1.0278914
A_55_P2045	18.6	Detected	13.9	Not Detect	8.2	Not Detect	17	Not Detect	Pnma3	0.913978495	0.44086022	1.22302158	0.5899281
A_55_P2117	11171.2	Detected	6697.3	Detected	9978.9	Detected	10209.8	Detected	Ntan1	0.913939416	0.89327019	1.52446508	1.4899885
A_55_P2011	12936.1	Detected	12911.9	Detected	10503	Detected	11822.8	Detected	Akirin2	0.913938513	0.81191395	0.91565145	0.8134357
A_55_P2039	1973.3	Detected	2322.3	Detected	1668.9	Detected	1803.4	Detected	Ift88	0.913900573	0.84574064	0.77655772	0.718641
A_55_P2149	222.7	Detected	232.2	Detected	219.2	Detected	203.5	Detected	Galt	0.913785361	0.98428379	0.87639966	0.9440138

A_66_P1381	73 Detected	58.6 Detected	53 Detected	66.7 Detected	Gm4107	0.91369863	0.7260274	1.13822526	0.9044369
A_55_P2007	121.6 Detected	99 Detected	97.5 Detected	111.1 Detected	Slc12a6	0.913651316	0.80180921	1.12222222	0.9848485
A_52_P3657	46891.5 Detected	47115.2 Detected	43864.8 Detected	42840.5 Detected	Nsun2	0.913609076	0.93545312	0.90927132	0.9310116
A_51_P2742	333.1 Detected	378.7 Detected	944.3 Detected	304.3 Detected	Ak5	0.913539478	2.83488442	0.80353842	2.4935305
A_55_P1984	156251.2 Detected	155920.8 Detected	181556.7 Detected	142737.5 Detected	1600029O15Rik	0.913512984	1.16195396	0.91544874	1.1644162
A_51_P2971	26798.8 Detected	25647.6 Detected	24174.2 Detected	24480.5 Detected	Sf3a3	0.913492395	0.90206278	0.95449477	0.9425521
A_51_P1114	1810.7 Detected	2059.7 Detected	1737.5 Detected	1653.9 Detected	Wdr77	0.913403656	0.95957365	0.80298102	0.8435695
A_55_P2128	305.8 Detected	297.8 Detected	271.4 Detected	279.3 Detected	Gm4349	0.913342054	0.88750818	0.93787777	0.9113499
A_51_P1979	129.2 Detected	117.2 Detected	139 Detected	118 Detected	Iws1	0.913312693	1.07585139	1.00682594	1.1860068
A_51_P1831	4325.2 Detected	4456.2 Detected	4723.4 Detected	3950.1 Detected	Rnf139	0.913275687	1.09206511	0.8864279	1.0599614
A_55_P2374	21.9 Detected	29.8 Detected	7 Not Detect	20 Not Detect	F730016J06Rik	0.913242009	0.3196347	0.67114094	0.2348993
A_51_P2709	44770.3 Detected	36695.4 Detected	46259.5 Detected	40884.5 Detected	Hist1h1b	0.913205853	1.03326312	1.11415872	1.2606348
A_52_P3276	13773.7 Detected	11092.2 Detected	14248.4 Detected	12577.5 Detected	Rab18	0.913153328	1.03446423	1.13390491	1.2845423
A_52_P2970	49.5 Detected	42.5 Detected	51.5 Detected	45.2 Not Detect	Elp4	0.913131313	1.04040404	1.06352941	1.2117647
A_55_P2071	204.9 Detected	127.8 Detected	185.7 Detected	187.1 Detected	Zfp788	0.913128355	0.90629575	1.46400626	1.4530516
A_51_P1130	4243.8 Detected	3321.3 Detected	4553.3 Detected	3875 Detected	Cenpq	0.913096753	1.07292992	1.16671183	1.3709391
A_55_P2020	4402.1 Detected	4058.5 Detected	3441.9 Detected	4019.2 Detected	Lzts3	0.913018786	0.78187683	0.99031662	0.8480719
A_51_P1016	564.3 Detected	728.2 Detected	457.8 Detected	515.2 Detected	1200014J11Rik	0.912989545	0.8112706	0.70749794	0.6286734
A_55_P1968	1347.6 Detected	1138.4 Detected	1191.5 Detected	1230.3 Detected	Nfkb1	0.912956367	0.88416444	1.08072734	1.0466444
A_55_P2112	33.3 Detected	35.8 Detected	11.3 Not Detect	30.4 Not Detect	Ern1	0.912912913	0.33933934	0.84916201	0.3156425
A_55_P2118	320.2 Detected	197.4 Detected	317.2 Detected	292.3 Detected	Lasp1	0.912866958	0.99063086	1.48074975	1.6068896
A_55_P1978	24.1 Detected	12 Not Detect	28.7 Detected	22 Not Detect	Dcaf17	0.912863071	1.19087137	1.83333333	2.3916667
A_55_P1964	312914.2 Detected	302090.3 Detected	308231.8 Detected	285626 Detected	Gm14217	0.912793347	0.98503615	0.94549875	1.02033
A_51_P1256	366.8 Detected	296.9 Detected	548.5 Detected	334.8 Detected	2410076I21Rik	0.912758997	1.49536532	1.12765241	1.8474234
A_55_P1961	20834.2 Detected	20025.2 Detected	19279.3 Detected	19016.2 Detected	LOC101055913	0.91273963	0.9253679	0.94961349	0.9627519
A_55_P2079	104.1 Detected	98.3 Detected	80.3 Detected	95 Detected	Prss50	0.912584054	0.77137368	0.9664293	0.8168871
A_52_P4641	3227.3 Detected	2749.9 Detected	3721.6 Detected	2944.9 Detected	AK010878	0.912496514	1.15316209	1.07091167	1.3533583
A_55_P2111	92.5 Detected	60.3 Detected	94.3 Detected	84.4 Detected	Polq	0.912432432	1.01945946	1.39966833	1.5638474
A_55_P1998	4172.7 Detected	5111.5 Detected	3283.8 Detected	3807.3 Detected	Ccdc137	0.9124308	0.78697246	0.74484985	0.6424337
A_55_P2000	7031.5 Detected	5601.5 Detected	8698.6 Detected	6415 Detected	Mettl21a	0.912323117	1.23709024	1.14522896	1.5529055
A_51_P3483	1327.4 Detected	712.8 Detected	1879.5 Detected	1210.9 Detected	Hexim1	0.912234443	1.41592587	1.69879349	2.6367845
A_51_P4538	15776.4 Detected	14975.5 Detected	17398.9 Detected	14389.5 Detected	Csnk1a1	0.912090211	1.10284349	0.96086942	1.1618243
A_55_P2115	17823.8 Detected	3585 Detected	7788.7 Detected	16256.2 Detected	Inpp5j	0.91205018	0.43698313	4.53450488	2.1725802
A_52_P3372	4528.7 Detected	2900.6 Detected	4194.4 Detected	4130.3 Detected	Mgat4b	0.912027734	0.92618191	1.42394677	1.4460456
A_55_P2061	144679 Detected	144586.5 Detected	162123.5 Detected	131944.3 Detected	Rpl17	0.911979624	1.12057382	0.91256307	1.1212907
A_51_P1141	3716.5 Detected	2265.2 Detected	4127.5 Detected	3389.2 Detected	Eci3	0.911933271	1.11058792	1.49620343	1.8221349
A_51_P1696	792.4 Detected	569.8 Detected	761.2 Detected	722.6 Detected	Taf3	0.911913175	0.96062595	1.26816427	1.3359073
A_51_P1579	1208.2 Detected	1054.4 Detected	1185 Detected	1101.7 Detected	Mmab	0.911852342	0.98079788	1.04485964	1.1238619
A_66_P1330	594.3 Detected	536.2 Detected	534.8 Detected	541.9 Detected	Diablo	0.911829043	0.89988221	1.01063036	0.997389
A_55_P2213	17 Detected	17.1 Not Detect	11.1 Not Detect	15.5 Not Detect	4933416M07Rik	0.911764706	0.65294118	0.90643275	0.6491228

A_55_P2027	3463.6	Detected	2584.1	Detected	3616	Detected	3157.8	Detected	Taf3	0.911710359	1.04400046	1.22201153	1.3993267
A_52_P4338	46.4	Detected	45.7	Detected	25.8	Detected	42.3	Not Detect	Gab3	0.911637931	0.55603448	0.92560175	0.5645514
A_55_P2103	12246.1	Detected	13380.1	Detected	13094.7	Detected	11163.9	Detected	Gm3258	0.911629008	1.06929553	0.83436596	0.9786698
A_55_P2121	4519.8	Detected	3413.3	Detected	4077.7	Detected	4120.3	Detected	Amd2	0.911611133	0.90218594	1.20713093	1.1946503
A_55_P2163	74931.7	Detected	74469.5	Detected	80367.1	Detected	68304.2	Detected	Cdk4	0.911552787	1.07253806	0.9172104	1.0791948
A_55_P1953	2916.6	Detected	2380	Detected	2143.5	Detected	2658.6	Detected	Fam193a	0.911540835	0.73493108	1.11705882	0.9006303
A_55_P2136	3121.5	Detected	1753.5	Detected	2196.4	Detected	2845.3	Detected	Rnf38	0.911516899	0.70363607	1.62264043	1.2525806
A_52_P2079	6451.4	Detected	5921.1	Detected	6737.5	Detected	5880.5	Detected	Mrps18b	0.91150758	1.04434696	0.99314317	1.1378798
A_55_P2106	52880	Detected	39360.9	Detected	47772.3	Detected	48192.5	Detected	Ndufs3	0.9113559	0.90340961	1.22437495	1.2136994
A_55_P2094	20.3	Detected	22.6	Detected	14.7	Not Detect	18.5	Not Detect	Ulk4	0.911330049	0.72413793	0.81858407	0.6504425
A_55_P2412	549.1	Detected	517.5	Detected	1423	Detected	500.4	Detected	A830052D11Rik	0.911309415	2.59151339	0.96695652	2.7497585
A_51_P1700	101.3	Detected	76.9	Detected	60.8	Detected	92.3	Detected	Lce1m	0.911154985	0.60019743	1.20026008	0.7906372
A_55_P2138	32860	Detected	23560.7	Detected	32652.5	Detected	29939.7	Detected	Mrpl40	0.911129032	0.99368533	1.27074747	1.3858884
A_55_P2083	160890.2	Detected	155840.2	Detected	175251.3	Detected	146578.1	Detected	Gm6613	0.911044302	1.08926025	0.94056668	1.1245577
A_55_P2054	288.9	Detected	243.2	Detected	284.7	Detected	263.2	Detected	Sh3bgrl2	0.911041883	0.9854621	1.08223684	1.1706414
A_55_P2137	259666.7	Detected	233729.8	Detected	263578.2	Detected	236554.7	Detected	Rpl14	0.910993593	1.01506354	1.01208618	1.1277047
A_55_P2027	14.6	Detected	11.8	Not Detect	16.8	Detected	13.3	Not Detect	Kir3dl2	0.910958904	1.15068493	1.12711864	1.4237288
A_55_P1952	21644.6	Detected	24197	Detected	21933.3	Detected	19715.7	Detected	Snrpf	0.910883084	1.0133382	0.81479936	0.9064471
A_55_P2028	264.8	Detected	233.9	Detected	195.8	Detected	241.2	Detected	Fhl3	0.910876133	0.73942598	1.03120992	0.8371099
A_55_P2087	132.3	Detected	83.4	Detected	95.4	Detected	120.5	Detected	Tmem240	0.910808768	0.72108844	1.44484412	1.1438849
A_55_P2085	319.3	Detected	181.2	Detected	298.4	Detected	290.8	Detected	Stk38	0.910742249	0.93454432	1.60485651	1.6467991
A_55_P1964	4605	Detected	4423.8	Detected	4166.5	Detected	4193.9	Detected	Dnajb6	0.91072747	0.90477742	0.9480311	0.9418373
A_55_P2037	296407.7	Detected	288843.2	Detected	283168.2	Detected	269923.8	Detected	Ran	0.910650432	0.95533348	0.93449941	0.9803527
A_55_P2055	1743.6	Detected	1422.7	Detected	2061.3	Detected	1587.7	Detected	Frrs1	0.910587291	1.18220922	1.11597666	1.4488648
A_55_P2091	20753.8	Detected	15458.6	Detected	19660.8	Detected	18896.4	Detected	Gpr157	0.910503137	0.94733495	1.22238754	1.2718357
A_66_P1044	20.1	Detected	18.9	Detected	22.5	Detected	18.3	Not Detect	Fbxl12os	0.910447761	1.11940299	0.96825397	1.1904762
A_55_P1968	15593.7	Detected	11741.8	Detected	12491.9	Detected	14197.1	Detected	Hypk	0.91043819	0.80108634	1.20910763	1.0638829
A_55_P2374	117.2	Detected	123.5	Detected	116.8	Detected	106.7	Detected	8430428J23Rik	0.910409556	0.99658703	0.86396761	0.945749
A_52_P5460	50179.2	Detected	46494.7	Detected	50740.8	Detected	45681.7	Detected	Ssr4	0.91037123	1.01119189	0.98251414	1.0913244
A_51_P1185	3828.6	Detected	3596.9	Detected	3259.7	Detected	3485.4	Detected	2700049A03Rik	0.910358878	0.85140783	0.96900108	0.9062526
A_55_P1991	58	Detected	46.2	Detected	53.7	Detected	52.8	Detected	Tom1l2	0.910344828	0.92586207	1.14285714	1.1623377
A_55_P2113	82.5	Detected	81.4	Detected	65.7	Detected	75.1	Detected	Caln1	0.91030303	0.79636364	0.92260442	0.8071253
A_52_P1413	4300.1	Detected	3324.8	Detected	3107.9	Detected	3914.3	Detected	Acot10	0.910281156	0.72275063	1.1773039	0.934763
A_55_P2008	1212.5	Detected	1021.6	Detected	1183.4	Detected	1103.6	Detected	Zscan12	0.910185567	0.976	1.08026625	1.158379
A_55_P2106	1114.2	Detected	949.5	Detected	138.8	Detected	1014.1	Detected	Zfhx3	0.910159756	0.12457369	1.06803581	0.1461822
A_55_P1982	44.5	Detected	31.2	Detected	30.8	Detected	40.5	Not Detect	Dnajc5	0.91011236	0.69213483	1.29807692	0.9871795
A_55_P2105	26.7	Detected	32	Detected	17.7	Not Detect	24.3	Not Detect	Lrrc18	0.91011236	0.66292135	0.759375	0.553125
A_55_P1970	106599.5	Detected	109527.3	Detected	119407.2	Detected	97013.9	Detected	Gm5779	0.910078377	1.12014784	0.88575086	1.0902049
A_55_P2183	5668.8	Detected	5104.3	Detected	4605.2	Detected	5158.2	Detected	Gm5296	0.909928027	0.81237652	1.01055972	0.9022197
A_55_P2082	262.7	Detected	271.4	Detected	221.3	Detected	239	Detected	Acly	0.909783022	0.84240579	0.88061901	0.8154016

A_52_P3345	31652.9	Detected	24476.9	Detected	37101.2	Detected	28796.3	Detected	Atp5c1-ps	0.909752345	1.17212641	1.17646843	1.5157638
A_55_P2075	324.6	Detected	288.8	Detected	310.8	Detected	295.3	Detected	Zfp689	0.909735059	0.95748614	1.02250693	1.0761773
A_52_P4900	28.8	Detected	14.2	Not Detect	30.6	Detected	26.2	Not Detect	Olf810	0.909722222	1.0625	1.84507042	2.1549296
A_52_P4867	8808.1	Detected	7407.1	Detected	7956.8	Detected	8012.7	Detected	G3bp1	0.909696756	0.90335033	1.08175939	1.0742126
A_52_P5973	560.1	Detected	326.4	Detected	437.5	Detected	509.5	Detected	Ncald	0.909658989	0.78111052	1.56096814	1.3403799
A_55_P2082	10830.3	Detected	11294.7	Detected	9672.2	Detected	9851.7	Detected	Sav1	0.909642392	0.89306852	0.87224096	0.8563486
A_52_P6046	2521.4	Detected	1716.9	Detected	2055.8	Detected	2293.5	Detected	S1pr2	0.909613707	0.81534068	1.33583785	1.1973906
A_52_P4586	49.7	Detected	39.6	Detected	32.4	Detected	45.2	Detected	Ttl5	0.90945674	0.65191147	1.14141414	0.8181818
A_51_P3416	843.3	Detected	697.8	Detected	777.9	Detected	766.9	Detected	Fancc	0.909403534	0.92244753	1.09902551	1.1147893
A_55_P2120	1897.3	Detected	2305.1	Detected	1859.6	Detected	1725.4	Detected	Gm4701	0.909397565	0.98012966	0.74851416	0.8067329
A_52_P4631	2159.8	Detected	2345.2	Detected	2188.1	Detected	1964.1	Detected	Dcaf7	0.909389758	1.01310307	0.83749787	0.9330121
A_55_P2026	93.8	Detected	102.4	Detected	59.2	Detected	85.3	Detected	Rgp1	0.909381663	0.63113006	0.83300781	0.578125
A_55_P2019	38.6	Detected	24.8	Detected	38.3	Detected	35.1	Not Detect	D730005E14Rik	0.909326425	0.99222798	1.41532258	1.5443548
A_52_P3667	1076.1	Detected	1667.8	Detected	950	Detected	978.5	Detected	2310044G17Rik	0.909302109	0.88281758	0.58670104	0.5696127
A_55_P1968	5333.5	Detected	3748.3	Detected	3567.5	Detected	4849.4	Detected	Cast	0.909234086	0.66888535	1.29375984	0.9517648
A_55_P2056	1261	Detected	1603.8	Detected	493.6	Detected	1146.5	Detected	Nin	0.909199048	0.39143537	0.7148647	0.307769
A_51_P2832	1099.5	Detected	711.1	Detected	1255.2	Detected	999.6	Detected	Gm14326	0.909140518	1.14160982	1.40570946	1.7651526
A_66_P1348	26202.7	Detected	29795.5	Detected	22896.9	Detected	23821.1	Detected	Gas5	0.909108603	0.87383743	0.7994865	0.7684684
A_55_P2161	41.8	Detected	37.8	Detected	32.7	Detected	38	Not Detect	Uimc1	0.909090909	0.78229665	1.00529101	0.8650794
A_52_P1045	359.7	Detected	537.2	Detected	323.1	Detected	327	Detected	Lipt1	0.909090909	0.89824854	0.60871184	0.601452
A_52_P3817	2156	Detected	1671.6	Detected	1467.7	Detected	1960	Detected	Whsc1	0.909090909	0.68075139	1.17252931	0.8780211
A_52_P1609	2654.2	Detected	2543.8	Detected	2116	Detected	2412.5	Detected	Akap10	0.908936779	0.79722704	0.94838431	0.8318264
A_52_P1117	2437.1	Detected	1854.3	Detected	1317.5	Detected	2215.1	Detected	Hip1	0.908908129	0.54060153	1.19457477	0.7105107
A_55_P1977	48.3	Detected	33.6	Detected	30.7	Detected	43.9	Not Detect	Gltsr1	0.908902692	0.63561077	1.30654762	0.9136905
A_55_P2011	232188.9	Detected	220849	Detected	244588	Detected	211030.2	Detected	Rpl17	0.908872905	1.05340092	0.95554066	1.1074897
A_51_P3231	195.3	Detected	281.2	Detected	76.3	Detected	177.5	Detected	Gbp9	0.908858167	0.390681	0.63122333	0.2713371
A_51_P2673	3740	Detected	2669.3	Detected	3327.9	Detected	3399	Detected	Dxo	0.908823529	0.88981283	1.27336755	1.2467314
A_55_P1955	302.7	Detected	306.2	Detected	340.4	Detected	275.1	Detected	Alg6	0.908820614	1.12454575	0.8984324	1.1116917
A_55_P2158	1740.5	Detected	1413.4	Detected	2066.3	Detected	1581.6	Detected	Nos2	0.908704395	1.18718759	1.11900382	1.4619358
A_55_P1986	5493.3	Detected	5758.6	Detected	7329.2	Detected	4991.7	Detected	Minpp1	0.908688766	1.33420713	0.86682527	1.2727399
A_51_P2378	18.6	Detected	11.9	Not Detect	21.5	Detected	16.9	Not Detect	Il4	0.908602151	1.15591398	1.42016807	1.8067227
A_51_P2861	9968.8	Detected	8502	Detected	11059.1	Detected	9056.4	Detected	Znrd1	0.90847444	1.10937124	1.06520819	1.3007645
A_52_P2915	885.8	Detected	2620.2	Detected	369.5	Detected	804.7	Detected	Ankrd44	0.908444344	0.41713705	0.30711396	0.1410198
A_51_P3371	158.3	Detected	57.1	Detected	440.7	Detected	143.8	Detected	Pipox	0.908401769	2.78395452	2.51838879	7.7180385
A_55_P2412	211.6	Detected	177.3	Detected	144.5	Detected	192.2	Detected	5830468K08Rik	0.90831758	0.68289225	1.08403835	0.8150028
A_51_P2813	9118.5	Detected	6242.2	Detected	4709.2	Detected	8282.3	Detected	St3gal6	0.908296321	0.51644459	1.32682388	0.7544135
A_55_P1980	4487.3	Detected	3802.3	Detected	4316.6	Detected	4075.6	Detected	Gltpd1	0.908252178	0.96195931	1.07187755	1.1352602
A_52_P4051	530.5	Detected	481.1	Detected	564.7	Detected	481.8	Detected	Prkrir	0.908199811	1.06446748	1.001455	1.1737684
A_55_P1979	281	Detected	231.7	Detected	281.8	Detected	255.2	Detected	Vps52	0.908185053	1.00284698	1.10142426	1.2162279
A_55_P1985	7752.8	Detected	6202.4	Detected	6029.8	Detected	7040.8	Detected	Ranbp9	0.908162212	0.77775771	1.13517348	0.9721721

A_51_P2419	28.3 Detected	26.8 Detected	20.1 Detected	25.7 Not Detect	Prss30	0.908127208	0.71024735	0.95895522	0.75
A_52_P1795	1146.1 Detected	856.5 Detected	1072.5 Detected	1040.7 Detected	Adnp2	0.908035948	0.93578222	1.2150613	1.2521891
A_55_P1982	24220.8 Detected	23072.2 Detected	25432.8 Detected	21991.7 Detected	H3f3b	0.907967532	1.05003964	0.95316875	1.1023136
A_55_P2166	15.2 Detected	13.7 Not Detect	11.4 Not Detect	13.8 Not Detect	Vmn2r111	0.907894737	0.75	1.00729927	0.8321168
A_52_P5295	4164 Detected	3855.4 Detected	3754.9 Detected	3779.9 Detected	Nsl1	0.907756964	0.90175312	0.98041708	0.9739327
A_55_P2153	189835.9 Detected	141460.6 Detected	202827.3 Detected	172323.8 Detected	Tubb4b	0.907751379	1.0684349	1.21817524	1.4338077
A_55_P1988	100.8 Detected	59.2 Detected	51 Detected	91.5 Detected	Psors1c2	0.907738095	0.50595238	1.54560811	0.8614865
A_55_P2182	65 Detected	57 Detected	62.2 Detected	59 Detected	P2rx2	0.907692308	0.95692308	1.03508772	1.0912281
A_55_P2154	87.7 Detected	98.2 Detected	99.6 Detected	79.6 Detected	Pex13	0.907639681	1.13568985	0.81059063	1.0142566
A_66_P1259	712.4 Detected	586.8 Detected	741.5 Detected	646.6 Detected	Hipk1	0.907636159	1.04084784	1.10190866	1.2636333
A_55_P2017	2695.8 Detected	1869.5 Detected	3058.9 Detected	2446.8 Detected	Nanp	0.907634097	1.134691	1.30879914	1.6362129
A_66_P1006	7085.4 Detected	4553.7 Detected	6544.5 Detected	6430.9 Detected	Xpa	0.907626951	0.92365992	1.4122362	1.437183
A_55_P2042	86.6 Detected	144.2 Detected	99.9 Detected	78.6 Detected	Pbrm1	0.907621247	1.15357968	0.54507628	0.6927878
A_55_P1964	7449.2 Detected	8012.4 Detected	6497.1 Detected	6760.8 Detected	Cnot8	0.907587392	0.87218762	0.84379212	0.8108806
A_55_P2345	251 Detected	246.5 Detected	206.6 Detected	227.8 Detected	1700109K24Rik	0.907569721	0.82310757	0.92413793	0.8381339
A_55_P2004	11.9 Not Detect	29.6 Detected	15.6 Not Detect	10.8 Not Detect	Crispld2	0.907563025	1.31092437	0.36486486	0.527027
A_55_P2154	7561.1 Detected	8524.2 Detected	9514.2 Detected	6862.1 Detected	Hagh	0.907553134	1.25830898	0.80501396	1.1161399
A_55_P2167	322 Detected	321.6 Detected	241.9 Detected	292.2 Detected	Rabgef1	0.907453416	0.75124224	0.90858209	0.7521766
A_55_P1955	48095 Detected	53480.9 Detected	59450.9 Detected	43643.2 Detected	LOC677113	0.907437364	1.23611394	0.81605209	1.1116286
A_55_P1985	8645.3 Detected	11580.8 Detected	7267.3 Detected	7845 Detected	Fam195b	0.90742947	0.84060704	0.67741434	0.62753
A_51_P4778	2388.4 Detected	2080.5 Detected	1325.6 Detected	2167.2 Detected	Klhl21	0.907385698	0.55501591	1.04167267	0.6371545
A_55_P2185	297130.8 Detected	287330 Detected	313585 Detected	269602.8 Detected	Rpl9	0.907353933	1.05537696	0.93830369	1.0913758
A_55_P2094	963.6 Detected	733.9 Detected	1230.7 Detected	874.3 Detected	Ralgs1	0.907326692	1.27718971	1.19130672	1.6769315
A_51_P3866	4314.9 Detected	2066.7 Detected	2721.1 Detected	3914.7 Detected	Pir	0.907251616	0.63062875	1.89417913	1.3166401
A_55_P2139	89057.3 Detected	64369.5 Detected	57124.3 Detected	80794.6 Detected	Plec	0.907220408	0.6414331	1.25516899	0.8874436
A_55_P2183	9.7 Not Detect	18.7 Detected	3.4 Not Detect	8.8 Not Detect	Sctr	0.907216495	0.35051546	0.47058824	0.1818182
A_52_P4552	163.8 Detected	150 Detected	22.2 Detected	148.6 Detected	Emx2	0.907203907	0.13553114	0.99066667	0.148
A_55_P2108	674.3 Detected	757 Detected	668 Detected	611.7 Detected	Sdad1	0.907162984	0.99065698	0.80805812	0.8824306
A_55_P1987	4087.6 Detected	3247.9 Detected	3245.2 Detected	3707.8 Detected	Ep400	0.907084842	0.7939133	1.14159919	0.9991687
A_55_P2136	524.1 Detected	408.8 Detected	489.1 Detected	475.4 Detected	Nsun6	0.907078802	0.93321885	1.16291585	1.1964286
A_55_P2030	2997 Detected	3044.1 Detected	1647.5 Detected	2718.3 Detected	Ankle1	0.907007007	0.54971638	0.89297329	0.5412109
A_55_P2045	1736.6 Detected	594.8 Detected	225.2 Detected	1575.1 Detected	I830127L07Rik	0.907002188	0.12967868	2.64811701	0.3786147
A_66_P1188	1118 Detected	653.3 Detected	811.8 Detected	1014 Detected	Ncald	0.906976744	0.72611807	1.55212001	1.2426144
A_51_P5013	3943.2 Detected	3295.7 Detected	3147.3 Detected	3576.3 Detected	Gm16515	0.906953743	0.79815886	1.08514124	0.9549716
A_52_P1976	4235.9 Detected	3562.1 Detected	3686.6 Detected	3841.7 Detected	Umps	0.906938313	0.87032272	1.07849302	1.0349513
A_51_P4610	5823.4 Detected	6071.5 Detected	3376.8 Detected	5281.3 Detected	Ostm1	0.906910053	0.57986743	0.86985094	0.5561723
A_52_P5814	24.7 Detected	22.1 Detected	21.2 Detected	22.4 Not Detect	Aldh1a2	0.906882591	0.8582996	1.01357466	0.959276
A_55_P2028	56973.6 Detected	54860.6 Detected	54918.8 Detected	51666.6 Detected	Mgat1	0.906851594	0.96393417	0.94177971	1.0010609
A_55_P2028	20159.3 Detected	16475.1 Detected	22353.9 Detected	18280.6 Detected	Ptplb	0.90680728	1.10886291	1.10958962	1.3568294
A_55_P2070	159.7 Detected	106.2 Detected	180.4 Detected	144.8 Detected	Zfp59	0.906700063	1.12961803	1.36346516	1.6986817

A_66_P1159	881.4 Detected	519.7 Detected	601 Detected	799.1 Detected	Myo9a	0.906625823	0.68186975	1.53761786	1.1564364
A_55_P2107	471.9 Detected	658.8 Detected	456.4 Detected	427.8 Detected	Myl4	0.906547997	0.96715406	0.64936248	0.6927747
A_51_P3661	15920.7 Detected	14498.8 Detected	17963.1 Detected	14432.4 Detected	Mpg	0.906517929	1.12828582	0.99542031	1.238937
A_66_P1214	3285.4 Detected	3094.7 Detected	4262.3 Detected	2978.2 Detected	Psat1	0.906495404	1.29734583	0.96235499	1.3772902
A_52_P2218	159.3 Detected	141.4 Detected	135.7 Detected	144.4 Detected	Trim23	0.906465788	0.85185185	1.02121641	0.9596888
A_51_P3926	291810.2 Detected	241956.1 Detected	267614.5 Detected	264515.5 Detected	Vim	0.906464202	0.91708412	1.09323757	1.1060457
A_55_P2021	23410.5 Detected	14750.9 Detected	23799 Detected	21220.6 Detected	Calm3	0.906456505	1.01659512	1.43859697	1.6133931
A_55_P2156	310 Detected	337.5 Detected	87.4 Detected	281 Detected	Sema6c	0.906451613	0.28193548	0.83259259	0.258963
A_55_P2017	318.2 Detected	313.9 Detected	209.4 Detected	288.4 Detected	A630089N07Rik	0.906348209	0.65807668	0.91876394	0.6670914
A_55_P2149	45.9 Detected	64.5 Detected	37.5 Detected	41.6 Not Detect	Cmya5	0.906318083	0.81699346	0.64496124	0.5813953
A_51_P2277	14119.9 Detected	12886.8 Detected	11717.8 Detected	12795.8 Detected	Top2b	0.906224548	0.8298784	0.99293851	0.909287
A_55_P2131	123218.4 Detected	119573.7 Detected	134480.8 Detected	111661.8 Detected	Gm17014	0.906210436	1.09140193	0.93383244	1.1246687
A_55_P1996	51112.8 Detected	49213.4 Detected	53818.6 Detected	46317.6 Detected	Psme2b	0.90618397	1.05293782	0.9411583	1.0935761
A_52_P3588	11494.6 Detected	8062.3 Detected	8100.5 Detected	10415.3 Detected	Gss	0.906103736	0.70472222	1.2918522	1.0047381
A_65_P0802	11944.9 Detected	9525.4 Detected	10971.7 Detected	10823.3 Detected	Hnrnpk	0.906102186	0.9185259	1.13625675	1.1518361
A_51_P2839	18.1 Detected	15.1 Not Detect	15.9 Not Detect	16.4 Not Detect	Adamts18	0.906077348	0.87845304	1.08609272	1.0529801
A_55_P2423	2892.2 Detected	2974.7 Detected	2336 Detected	2620.5 Detected	Nf2	0.906057672	0.80768965	0.88092917	0.7852893
A_51_P1230	31620.4 Detected	23910.5 Detected	35090.1 Detected	28648.5 Detected	Nubp1	0.906013207	1.10972979	1.19815562	1.4675603
A_65_P0745	129.8 Detected	67.8 Detected	57.8 Detected	117.6 Detected	Gm13251	0.906009245	0.44530046	1.73451327	0.8525074
A_55_P2071	85.1 Detected	91.1 Detected	180.3 Detected	77.1 Detected	1700020N15Rik	0.905992949	2.1186839	0.84632272	1.9791438
A_52_P1630	58.5 Detected	55.8 Detected	75.5 Detected	53 Not Detect	Naif1	0.905982906	1.29059829	0.94982079	1.3530466
A_51_P3146	16818 Detected	13592.7 Detected	15356 Detected	15234.9 Detected	Rrn3	0.905868712	0.91306933	1.12081485	1.129724
A_55_P2134	2083.1 Detected	2068.2 Detected	1575.8 Detected	1887 Detected	Ankrd26	0.905861456	0.75646872	0.91238758	0.7619186
A_55_P2154	645.8 Detected	547.9 Detected	567.9 Detected	585 Detected	Mettl4	0.905853205	0.87937442	1.06771309	1.036503
A_55_P2051	13.8 Not Detect	20.7 Detected	11.8 Not Detect	12.5 Not Detect	AA066038	0.905797101	0.85507246	0.60386473	0.5700483
A_55_P2314	24.4 Detected	26.7 Detected	18.6 Detected	22.1 Not Detect	4931403G20Rik	0.905737705	0.76229508	0.82771536	0.6966292
A_51_P4117	144.2 Detected	71.8 Detected	153 Detected	130.6 Detected	2900026A02Rik	0.905686546	1.06102635	1.8189415	2.1309192
A_55_P2144	132.5 Detected	128.6 Detected	145.6 Detected	120 Detected	Pigc	0.905660377	1.09886792	0.93312597	1.1321928
A_55_P2102	201364.2 Detected	189376.7 Detected	177498.4 Detected	182360.6 Detected	Spag7	0.905625727	0.88147943	0.96295162	0.9372769
A_55_P2002	6453 Detected	5703 Detected	4660.4 Detected	5843.4 Detected	Zfp777	0.905532311	0.72220673	1.02461862	0.8171839
A_55_P2433	1562.8 Detected	1285.8 Detected	1215 Detected	1415.1 Detected	Tcf12	0.905490146	0.77745073	1.10055996	0.944937
A_51_P4178	908.8 Detected	630.5 Detected	1133.9 Detected	822.9 Detected	Zfp825	0.905479754	1.24768926	1.30515464	1.798414
A_55_P2117	32444.2 Detected	43620.8 Detected	35960.5 Detected	29377.4 Detected	Npm1	0.90547463	1.10837993	0.67347229	0.8243888
A_55_P2130	20.1 Detected	26.4 Detected	14.1 Not Detect	18.2 Not Detect	Gpr44	0.905472637	0.70149254	0.68939394	0.5340909
A_51_P5026	22003.7 Detected	34252.2 Detected	16152.8 Detected	19922.8 Detected	Dusp6	0.905429541	0.73409472	0.58165023	0.4715843
A_55_P2149	1819.1 Detected	1574 Detected	2440.6 Detected	1647 Detected	BC055324	0.905392777	1.34165247	1.04637865	1.5505718
A_51_P2086	3523.3 Detected	3148 Detected	3169.8 Detected	3189.8 Detected	Ttl	0.905344421	0.89966792	1.01327827	1.006925
A_55_P2154	16973.2 Detected	20903.9 Detected	20506.2 Detected	15365.6 Detected	Rpap3	0.90528598	1.20815167	0.73505901	0.9809748
A_52_P1314	845.5 Detected	971 Detected	632.3 Detected	765.4 Detected	Ttc39b	0.905263158	0.74784151	0.78825953	0.6511843
A_51_P4364	4543.1 Detected	2994.2 Detected	4470.3 Detected	4112.7 Detected	Kin	0.905262926	0.9839757	1.37355554	1.4929864

A_52_P6807	5836.9	Detected	6404.1	Detected	5401.7	Detected	5283.9	Detected	Kpna3	0.905257928	0.92543987	0.82508081	0.8434753
A_51_P3247	21277.7	Detected	22051.6	Detected	30191.7	Detected	19260.8	Detected	Mrpl16	0.90521062	1.41893626	0.87344229	1.3691387
A_55_P1981	1018.3	Detected	735.2	Detected	764.8	Detected	921.7	Detected	Rreb1	0.905136011	0.75105568	1.25367247	1.0402612
A_51_P1230	34119.7	Detected	25196.5	Detected	24850.5	Detected	30881.7	Detected	Smc1a	0.905098814	0.7283329	1.22563451	0.9862679
A_55_P2005	96.9	Detected	52.7	Detected	78.2	Detected	87.7	Detected	Zfp455	0.90505676	0.80701754	1.66413662	1.483871
A_55_P2165	169.2	Detected	132.5	Detected	110.8	Detected	153.1	Detected	Ncor1	0.904846336	0.65484634	1.1554717	0.8362264
A_51_P3530	8233.6	Detected	6668.9	Detected	6158.8	Detected	7449.9	Detected	Zfyve27	0.904816848	0.74800816	1.11711077	0.9235106
A_51_P4767	18495.4	Detected	17546.7	Detected	17143.3	Detected	16734.6	Detected	Skiv2l2	0.90479795	0.92689534	0.95371779	0.9770099
A_55_P2122	335.6	Detected	228	Detected	271.2	Detected	303.6	Detected	Homer1	0.904648391	0.80810489	1.33157895	1.1894737
A_52_P1882	5592.1	Detected	3313.7	Detected	4825.8	Detected	5058.6	Detected	Camk2d	0.904597557	0.8629674	1.52657151	1.4563177
A_55_P2051	3643.1	Detected	3098.5	Detected	3686.2	Detected	3295.5	Detected	Zfp598	0.904586753	1.01183058	1.06357915	1.1896724
A_55_P1956	696.9	Detected	580.3	Detected	525	Detected	630.4	Detected	Egfr	0.904577414	0.7533362	1.08633465	0.9047045
A_55_P2065	123702.2	Detected	111893.2	Detected	134557.3	Detected	111887.7	Detected	Gm14439	0.904492402	1.08775188	0.99995085	1.2025512
A_66_P1135	80.6	Detected	81.5	Detected	75.4	Detected	72.9	Detected	Wnt16	0.904466501	0.93548387	0.89447853	0.9251534
A_55_P2056	1990.1	Detected	2661.5	Detected	1007.3	Detected	1799.9	Compromis	Col16a1	0.904426913	0.50615547	0.67627278	0.3784708
A_55_P1962	23757.3	Detected	20469.9	Detected	19815.8	Detected	21485.3	Detected	Sec23b	0.904366237	0.8340931	1.04960454	0.9680458
A_55_P2008	743.2	Detected	524.6	Detected	510.3	Detected	672.1	Detected	Rad51	0.904332616	0.6866254	1.2811666	0.9727411
A_55_P2033	402.3	Detected	483.1	Detected	479.1	Detected	363.8	Detected	Med4	0.904300273	1.19090231	0.7530532	0.9917201
A_55_P2024	6728.4	Detected	7019	Detected	4747.4	Detected	6084.4	Detected	4933427D14Rik	0.904286309	0.70557636	0.86684713	0.6763642
A_55_P2147	1940.1	Detected	1885.2	Detected	2485.4	Detected	1754.2	Detected	Caprin2	0.904180197	1.28106799	0.93051135	1.3183747
A_55_P2079	2076.7	Detected	1553.9	Detected	1892.6	Detected	1877.7	Detected	Ggps1	0.904174893	0.91134974	1.20837892	1.2179677
A_55_P2044	24	Detected	20.6	Detected	15.2	Not Detect	21.7	Not Detect	D4Erdt617e	0.904166667	0.63333333	1.05339806	0.7378641
A_66_P1357	110.6	Detected	69.9	Detected	63.5	Detected	100	Detected	Stx2	0.904159132	0.57414105	1.43061516	0.9084406
A_55_P2084	412962.5	Detected	337476.5	Detected	391867.8	Detected	373356.6	Detected	Hist1h2ak	0.904093229	0.94891861	1.10631881	1.1611706
A_55_P2133	103.2	Detected	112.4	Detected	74.6	Detected	93.3	Detected	Usp36	0.904069767	0.72286822	0.83007117	0.6637011
A_55_P2069	27.1	Detected	31.4	Detected	25.4	Detected	24.5	Not Detect	D5Erdt577e	0.904059041	0.93726937	0.78025478	0.8089172
A_55_P2037	77.1	Detected	63	Detected	83.6	Detected	69.7	Detected	Sec14l5	0.904020752	1.0843061	1.10634921	1.3269841
A_51_P3121	1031.2	Detected	980.9	Detected	789.4	Detected	932.2	Detected	Zfr	0.903995345	0.7655159	0.95035172	0.8047711
A_55_P2163	4811	Detected	3670.9	Detected	3805	Detected	4349.1	Detected	Tgm3	0.903990854	0.79089586	1.18475033	1.0365306
A_51_P3996	80023.1	Detected	82063	Detected	84850.2	Detected	72339.4	Detected	Cnih1	0.903981475	1.06032133	0.88151055	1.0339641
A_55_P1982	123.9	Detected	110.6	Detected	127.7	Detected	112	Detected	Homer1	0.903954802	1.0306699	1.01265823	1.1546112
A_55_P2171	38739.8	Detected	26868.7	Detected	34473.3	Detected	35015	Detected	Nptn	0.90385082	0.88986778	1.30318921	1.2830282
A_51_P3260	139.3	Detected	102.9	Detected	159.3	Detected	125.9	Detected	Hydin	0.903804738	1.14357502	1.22351798	1.548105
A_66_P1155	4276.3	Detected	3500	Detected	3570.3	Detected	3864.9	Detected	Gm11240	0.903795337	0.83490401	1.10425714	1.0200857
A_66_P1380	552.7	Detected	517.6	Detected	418.3	Detected	499.5	Detected	Gm12298	0.903745251	0.75683011	0.96503091	0.808153
A_51_P3929	41.5	Detected	37.9	Detected	66.1	Detected	37.5	Not Detect	Zmynd10	0.903614458	1.59277108	0.98944591	1.7440633
A_52_P3841	19.7	Detected	37	Detected	26.7	Detected	17.8	Not Detect	Anapc7	0.903553299	1.35532995	0.48108108	0.7216216
A_55_P2162	2328.5	Detected	1638.4	Detected	2439.4	Detected	2103.9	Detected	Tm9sf3	0.903543053	1.04762723	1.28411865	1.4888916
A_55_P2024	20193	Detected	12695.2	Detected	17072	Detected	18245	Detected	Spin1	0.903530927	0.84544149	1.43715735	1.3447602
A_55_P2057	17137.7	Detected	13929.6	Detected	15002.2	Detected	15483.8	Detected	Cetn2	0.903493468	0.87539168	1.11157535	1.0770015

A_55_P2171	25.9 Detected	19.9 Detected	28.3 Detected	23.4 Not Detect	Gm13180	0.903474903	1.09266409	1.1758794	1.4221106
A_55_P2124	45.5 Detected	27.3 Detected	32.6 Detected	41.1 Not Detect	Tceanc	0.903296703	0.71648352	1.50549451	1.1941392
A_55_P2079	91 Detected	72 Detected	69 Detected	82.2 Detected	Ankrd33b	0.903296703	0.75824176	1.14166667	0.9583333
A_51_P4258	2085.7 Detected	1720 Detected	1990 Detected	1884 Detected	Lztf11	0.903293858	0.95411612	1.09534884	1.1569767
A_51_P2396	113657 Detected	77966.5 Detected	88818.6 Detected	102664.3 Detected	Hprt	0.903281804	0.78146177	1.31677451	1.1391893
A_52_P7546	6675.7 Detected	6580 Detected	5393.1 Detected	6029.6 Detected	Gdpd1	0.903216142	0.80787034	0.91635258	0.8196201
A_55_P2162	24173.2 Detected	22469.3 Detected	25721.5 Detected	21833.5 Detected	Mpdu1	0.903210994	1.06405027	0.97170361	1.1447397
A_52_P5798	9117.4 Detected	7411.1 Detected	9177.2 Detected	8234.9 Detected	Suds3	0.903207055	1.00655889	1.11115759	1.2383047
A_52_P4726	2083.1 Detected	1695.5 Detected	1547.7 Detected	1881.3 Detected	Smurf2	0.90312515	0.74297921	1.10958419	0.9128281
A_55_P1978	474.8 Detected	480 Detected	375.3 Detected	428.8 Detected	Srsf10	0.903117102	0.79043808	0.89333333	0.781875
A_51_P1093	25.8 Detected	47.2 Detected	51.3 Detected	23.3 Not Detect	Fbxo32	0.903100775	1.98837209	0.49364407	1.0868644
A_55_P1980	2733.3 Detected	1579.5 Detected	1869.3 Detected	2468.4 Detected	Ephb6	0.903084184	0.68389858	1.56277303	1.1834758
A_55_P1990	21677.5 Detected	17229.1 Detected	15741.9 Detected	19576.5 Detected	Ube2j1	0.90307923	0.72618614	1.13624623	0.9136809
A_55_P1964	66921.1 Detected	53767.2 Detected	55858.8 Detected	60434.9 Detected	Fus	0.903076907	0.83469638	1.12401055	1.038901
A_55_P2120	9944.9 Detected	9518.9 Detected	10586.6 Detected	8980.8 Detected	Dctn4	0.903055838	1.06452554	0.94347036	1.1121663
A_51_P1800	7837 Detected	7323.9 Detected	6219.4 Detected	7077.2 Detected	Ago2	0.903049636	0.79359449	0.96631576	0.8491924
A_55_P2052	16.5 Detected	17.5 Detected	5 Not Detect	14.9 Not Detect	Olf1r1382	0.903030303	0.3030303	0.85142857	0.2857143
A_55_P1990	38313.3 Detected	28059.5 Detected	32376.1 Detected	34594.2 Detected	Comt	0.90292927	0.84503554	1.23288726	1.1538374
A_55_P1960	558.1 Detected	535.9 Detected	755 Detected	503.9 Detected	Pih1d2	0.902884788	1.35280416	0.94028737	1.4088449
A_52_P1614	6934.2 Detected	6010.2 Detected	4374.1 Detected	6260 Detected	Cnpy4	0.902771769	0.63080096	1.04156268	0.7277794
A_55_P2025	9246.7 Detected	5093.4 Detected	6503.7 Detected	8346.5 Detected	Nkain1	0.90264635	0.70335363	1.63868928	1.2768877
A_55_P2004	10528.9 Detected	7605.8 Detected	11132.9 Detected	9503.7 Detected	Gm10015	0.902629904	1.05736592	1.24953325	1.4637382
A_55_P2166	29655.7 Detected	30894.9 Detected	30190.1 Detected	26767.9 Detected	Cdk4	0.90262243	1.01802014	0.86641808	0.9771872
A_55_P2022	262.8 Detected	214.8 Detected	248.5 Detected	237.2 Detected	Olf1r212	0.902587519	0.945586	1.10428305	1.1568901
A_52_P1808	14040.5 Detected	12216.9 Detected	16305.8 Detected	12672.5 Detected	Ndufaf7	0.902567572	1.16134041	1.0372926	1.3346921
A_55_P2121	681.4 Detected	682.7 Detected	698.4 Detected	615 Detected	Ankfy1	0.902553566	1.02494864	0.90083492	1.0229969
A_51_P4750	10672.1 Detected	8553.2 Detected	9672.7 Detected	9632 Detected	Vbp1	0.902540269	0.90635395	1.12612823	1.1308867
A_66_P1062	725.3 Detected	790.7 Detected	576.3 Detected	654.6 Detected	Mutyh	0.902523094	0.79456777	0.82787404	0.7288479
A_51_P2327	3168.8 Detected	2209.9 Detected	2359.5 Detected	2859.8 Detected	Hiat11	0.902486746	0.74460364	1.29408571	1.0676954
A_52_P3276	145.6 Detected	95.5 Detected	113.7 Detected	131.4 Detected	Gm9993	0.902472527	0.78090659	1.37591623	1.1905759
A_52_P1826	228.5 Detected	198.6 Detected	162.7 Detected	206.2 Detected	Brca1	0.902407002	0.71203501	1.03826788	0.8192346
A_55_P1972	103.4 Detected	82.3 Detected	143 Detected	93.3 Detected	Tgif2	0.902321083	1.38297872	1.13365735	1.7375456
A_51_P4404	1748.3 Detected	1031.9 Detected	1276.5 Detected	1577.5 Detected	Hip1r	0.902305096	0.73013785	1.5287334	1.2370385
A_51_P3943	18018.1 Detected	16323.7 Detected	18020.7 Detected	16256.1 Detected	Eif2b1	0.902209445	1.0001443	0.99585878	1.1039593
A_52_P1090	10183.6 Detected	6303.4 Detected	8194.6 Detected	9187.6 Detected	Hipk3	0.902195687	0.80468597	1.45756259	1.3000286
A_55_P2168	421.9 Detected	476.6 Detected	513.7 Detected	380.6 Detected	Cul2	0.902109505	1.21758711	0.79857323	1.0778431
A_55_P2088	172.5 Detected	123.2 Detected	114.2 Detected	155.6 Detected	Krtap4-1	0.902028986	0.66202899	1.26298701	0.9269481
A_55_P2060	19263.5 Detected	10315.4 Detected	12999.5 Detected	17376.2 Detected	Lzts2	0.90202715	0.67482545	1.68449115	1.2602032
A_55_P1963	645 Detected	401.1 Detected	286 Detected	581.8 Detected	Arhgef17	0.902015504	0.44341085	1.45051109	0.7130391
A_55_P2044	736.6 Detected	630.5 Detected	689.1 Detected	664.4 Detected	Bphl	0.90198208	0.93551453	1.05376685	1.0929421

A_52_P4831	4234.3	Detected	5083.2	Detected	4044.7	Detected	3818.8	Detected	Utp23	0.901872801	0.95522282	0.75125905	0.7956996
A_55_P2055	1893.8	Detected	1307.1	Detected	1481.9	Detected	1707.9	Detected	Ppip5k1	0.901837575	0.78250079	1.306633	1.1337312
A_66_P1035	11.2	Not Detect	9.3	Not Detect	22.2	Detected	10.1	Not Detect	Gm9376	0.901785714	1.98214286	1.08602151	2.3870968
A_51_P4862	46.7	Detected	38.8	Detected	50.7	Detected	42.1	Not Detect	Clec3b	0.901498929	1.0856531	1.08505155	1.306701
A_55_P2108	5330.8	Detected	3532.7	Detected	4897.2	Detected	4805.6	Detected	Tubgcp4	0.901478202	0.91866136	1.3603193	1.3862485
A_55_P2211	17303	Detected	13754	Detected	14254	Detected	15598.1	Detected	Map3k4	0.901467954	0.82378778	1.13407736	1.0363531
A_55_P2048	316987.2	Detected	304734.2	Detected	335032.4	Detected	285744.6	Detected	Rps2	0.901438922	1.05692722	0.93768471	1.099425
A_55_P1961	242.4	Detected	221.1	Detected	268.2	Detected	218.5	Detected	Pygm	0.90140264	1.10643564	0.98824062	1.2130258
A_51_P4368	4378.7	Detected	3700.3	Detected	2356.9	Detected	3946.7	Detected	Dos	0.901340581	0.53826478	1.0665892	0.6369484
A_55_P1968	3404.6	Detected	2775.7	Detected	2510.8	Detected	3068.7	Detected	Jmjd1c	0.901339364	0.73747283	1.10555896	0.9045646
A_55_P2076	4068.4	Detected	3930.4	Detected	3738.9	Detected	3666.9	Detected	Ddx5	0.901312555	0.91900993	0.93295848	0.9512772
A_66_P1209	20188.4	Detected	21512.5	Detected	21209.3	Detected	18195.8	Detected	Atxn10	0.901299756	1.05056864	0.84582452	0.9859059
A_55_P2212	215.8	Detected	193.2	Detected	160.7	Detected	194.5	Detected	Apba2	0.901297498	0.74467099	1.00672878	0.8317805
A_55_P2021	11591.8	Detected	8731.4	Detected	7617.7	Detected	10447.5	Detected	Tmem181a	0.901283666	0.65716282	1.19654351	0.8724489
A_55_P2103	5667.9	Detected	4087.7	Detected	4132.6	Detected	5108.1	Detected	Gtf2ird1	0.901233261	0.72912366	1.24962693	1.0109842
A_55_P2024	2591.4	Detected	2534.8	Detected	2235	Detected	2335.4	Detected	Atxn7l1	0.9012117	0.86246816	0.92133502	0.8817264
A_51_P4930	1515	Detected	1211.2	Detected	1415.1	Detected	1365.3	Detected	Dclre1a	0.901188119	0.93405941	1.12722919	1.1683454
A_51_P4666	26.3	Detected	23	Detected	13.1	Not Detect	23.7	Not Detect	Fbxl22	0.901140684	0.49809886	1.03043478	0.5695652
A_55_P1981	18.2	Detected	5.8	Not Detect	3.6	Not Detect	16.4	Not Detect	Dtx2	0.901098901	0.1978022	2.82758621	0.6206897
A_55_P1967	36.4	Detected	18	Not Detect	31.7	Detected	32.8	Not Detect	Nell1	0.901098901	0.87087912	1.82222222	1.7611111
A_55_P2457	2111.7	Detected	1858.6	Detected	2004.2	Detected	1902.6	Detected	G2e3	0.900980253	0.94909315	1.02367373	1.0783385
A_55_P2150	37827.1	Detected	29694	Detected	44481.4	Detected	34080.7	Detected	Atp5c1	0.900959894	1.17591356	1.14773018	1.4979929
A_55_P2097	11.1	Not Detect	8.7	Not Detect	19.4	Detected	10	Not Detect	Olfrl287	0.900900901	1.74774775	1.14942529	2.2298851
A_52_P5261	11.1	Not Detect	46.8	Detected	7.1	Not Detect	10	Not Detect	Csf2rb	0.900900901	0.63963964	0.21367521	0.1517094
A_55_P1990	322484	Detected	303829	Detected	315129	Detected	290477.2	Detected	Rpl6	0.900749184	0.97719267	0.95605489	1.037192
A_51_P2570	689.6	Detected	644.1	Detected	752.8	Detected	621.1	Detected	Prpf40b	0.900667053	1.09164733	0.96429126	1.1687626
A_55_P2164	65.3	Detected	870.8	Detected	81.6	Detected	58.8	Detected	Asb16	0.900459418	1.24961715	0.06752412	0.0937069
A_55_P2201	22.1	Detected	30.8	Detected	30.7	Detected	19.9	Not Detect	4930571K23Rik	0.900452489	1.38914027	0.6461039	0.9967532
A_55_P2182	1142.8	Detected	700.1	Detected	935.6	Detected	1029	Detected	Sim2	0.900420021	0.81869093	1.46979003	1.3363805
A_51_P1416	2696.7	Detected	1800.3	Detected	2413.5	Detected	2428.1	Detected	Cables2	0.900396781	0.89498276	1.34871966	1.3406099
A_66_P1055	307.2	Detected	338.3	Detected	209	Detected	276.6	Detected	Gjc2	0.900390625	0.68033854	0.8176175	0.6177949
A_51_P1445	17500.9	Detected	17978.3	Detected	15251.1	Detected	15756.2	Detected	Rbm19	0.900307984	0.87144661	0.87640099	0.848306
A_51_P4776	34.1	Detected	1119.9	Detected	8.1	Not Detect	30.7	Not Detect	Prss12	0.900293255	0.23753666	0.02741316	0.0072328
A_55_P2294	3210	Detected	2670.6	Detected	3785.4	Detected	2889.9	Detected	Tmem2	0.900280374	1.17925234	1.08211638	1.4174343
A_55_P2144	2210.3	Detected	2055.4	Detected	2077.1	Detected	1989.8	Detected	Gfer	0.900239786	0.93973669	0.96808407	1.0105576
A_55_P2161	229.5	Detected	193.9	Detected	114.1	Detected	206.6	Detected	Dst	0.900217865	0.49716776	1.06549768	0.5884477
A_55_P2078	17093.1	Detected	16070.9	Detected	17810.5	Detected	15386.8	Detected	Rgs19	0.900176094	1.04197015	0.95743238	1.1082453
A_55_P1977	1899.1	Detected	1544.7	Detected	2195.4	Detected	1709.3	Detected	Zbtb9	0.900057922	1.15602127	1.10655791	1.4212468
A_55_P2000	89180.4	Detected	87882.5	Detected	92955.9	Detected	80259.5	Detected	Atox1	0.89996793	1.04233554	0.91325918	1.0577294
A_55_P2068	190.9	Detected	150.6	Detected	141.5	Detected	171.8	Detected	Gm10428	0.899947617	0.74122577	1.14077025	0.939575

A_55_P2044	2684.2	Detected	2274.5	Detected	2511.7	Detected	2415.5	Detected	Pramef8	0.899895686	0.93573504	1.06199165	1.1042867
A_55_P1979	56387.9	Detected	44971.5	Detected	43308.8	Detected	50742.1	Detected	Cyba	0.899875683	0.7680513	1.12831682	0.9630277
A_66_P1213	58.9	Detected	67	Detected	42.7	Detected	53	Detected	Olf1251	0.899830221	0.72495756	0.79104478	0.6373134
A_55_P2025	30362.7	Detected	22235.6	Detected	29128.3	Detected	27319.7	Detected	Mrpl40	0.899778346	0.95934485	1.22864685	1.3099849
A_51_P2920	14756.3	Detected	14687.6	Detected	15079.4	Detected	13277	Detected	Nus1	0.899751293	1.02189573	0.9039598	1.0266756
A_55_P2166	358.1	Detected	350.9	Detected	306.5	Detected	322.2	Detected	Srrm2	0.899748674	0.85590617	0.91821032	0.8734682
A_55_P2039	13071.9	Detected	13483.1	Detected	10990	Detected	11760.7	Detected	Drosha	0.899693235	0.84073471	0.8722549	0.8150945
A_55_P2161	29.9	Detected	31	Detected	3.7	Not Detect	26.9	Not Detect	Thsd7a	0.899665552	0.12374582	0.86774194	0.1193548
A_55_P1964	7160	Detected	5962.8	Detected	9578	Detected	6441.6	Detected	Tprkb	0.899664804	1.3377095	1.08029785	1.6062923
A_55_P2457	1655.3	Detected	1361.4	Detected	1546	Detected	1489.2	Detected	G2e3	0.899655652	0.93396967	1.09387395	1.1355957
A_55_P1958	37247.5	Detected	41792.9	Detected	36181.1	Detected	33509.6	Detected	Ddx24	0.899646956	0.97136989	0.80180126	0.8657236
A_55_P2226	98.6	Detected	73.5	Detected	70.3	Detected	88.7	Detected	B930078G14Rik	0.89959432	0.71298174	1.20680272	0.9564626
A_51_P3530	5386.8	Detected	5410.1	Detected	7361.9	Detected	4845.9	Detected	Minpp1	0.899587881	1.36665553	0.89571357	1.3607697
A_55_P2119	20.9	Detected	23.5	Detected	21.7	Detected	18.8	Not Detect	Vma21	0.899521531	1.03827751	0.8	0.9234043
A_55_P2038	122.4	Detected	89.9	Detected	107.5	Detected	110.1	Detected	Tmem104	0.899509804	0.87826797	1.2246941	1.1957731
A_55_P1986	153.2	Detected	184	Detected	193	Detected	137.8	Detected	Brd8	0.899477807	1.25979112	0.74891304	1.048913
A_52_P1797	129.3	Detected	150.8	Detected	97.1	Detected	116.3	Detected	Ripk2	0.899458623	0.75096674	0.77122016	0.6438992
A_55_P2008	3373.3	Detected	2477.5	Detected	2317.7	Detected	3033.7	Detected	Esr2	0.899327068	0.68707201	1.2245005	0.9354995
A_66_P1025	11348.8	Detected	8966.2	Detected	9104.9	Detected	10206.1	Detected	Ube2z	0.89931094	0.80227866	1.13828601	1.0154692
A_55_P1958	13.9	Not Detect	12	Not Detect	22.1	Detected	12.5	Not Detect	Sgce	0.899280576	1.58992806	1.04166667	1.8416667
A_55_P2148	913.3	Detected	1014.8	Detected	837.5	Detected	821.3	Detected	Rab4a	0.899266397	0.91700427	0.80932203	0.8252858
A_51_P2849	5294.9	Detected	3141.5	Detected	4793	Detected	4761.5	Detected	Rnd3	0.899261554	0.90521067	1.51567722	1.5257043
A_55_P2175	1503.8	Detected	914.2	Detected	1418.2	Detected	1352.2	Detected	Atf2	0.899188722	0.94307754	1.47910742	1.5513017
A_51_P1312	21.8	Detected	32.5	Detected	12.9	Not Detect	19.6	Not Detect	Usp54	0.899082569	0.59174312	0.60307692	0.3969231
A_51_P3728	1338.7	Detected	1420	Detected	1156.9	Detected	1203.6	Detected	Zfp433	0.899081198	0.86419661	0.84760563	0.8147183
A_55_P2134	20009.9	Detected	22043.1	Detected	20879.5	Detected	17989.6	Detected	Oxa1l	0.899034978	1.04345849	0.81611026	0.9472125
A_55_P2132	1091.2	Detected	1176.5	Detected	990.3	Detected	981	Detected	Ascc2	0.899010264	0.90753299	0.83382915	0.841734
A_55_P2167	9.9	Not Detect	19.4	Detected	21.4	Detected	8.9	Not Detect	4930431F10Rik	0.898989899	2.16161616	0.45876289	1.1030928
A_51_P4759	6294.7	Detected	3186.2	Detected	4250.1	Detected	5658.8	Detected	Thra	0.898978506	0.67518706	1.77603415	1.3339087
A_55_P2132	1532.9	Detected	919.7	Detected	1089.8	Detected	1377.7	Detected	Gprasp1	0.898753996	0.71094005	1.49798847	1.1849516
A_55_P2014	1223.9	Detected	970.8	Detected	980.2	Detected	1099.9	Detected	Zfp341	0.898684533	0.80088243	1.13298311	1.0096827
A_51_P1545	87.8	Detected	62.5	Detected	71	Detected	78.9	Detected	Vmn1r195	0.898633257	0.80865604	1.2624	1.136
A_52_P3668	440.8	Detected	415	Detected	500.7	Detected	396.1	Detected	Pggt1b	0.898593466	1.13588929	0.95445783	1.206506
A_55_P2052	55.2	Detected	55.2	Detected	50.5	Detected	49.6	Detected	A730098P11Rik	0.898550725	0.91485507	0.89855072	0.9148551
A_55_P1960	91.6	Detected	87	Detected	187.3	Detected	82.3	Detected	Hvcn1	0.898471616	2.04475983	0.94597701	2.1528736
A_66_P1092	450.1	Detected	423.8	Detected	442.4	Detected	404.4	Detected	Mettl20	0.898467007	0.98289269	0.95422369	1.0438886
A_55_P2038	151047.3	Detected	135008.6	Detected	156629.9	Detected	135700.5	Detected	Rpl31	0.898397389	1.03695928	1.00512486	1.1601476
A_51_P2194	42883.4	Detected	46219.7	Detected	40257	Detected	38521.3	Detected	Tmem11	0.898279987	0.93875486	0.83343899	0.8709922
A_51_P1307	12807.2	Detected	7225.3	Detected	10263.5	Detected	11504.4	Detected	Acer3	0.89827597	0.80138516	1.59223838	1.4204947
A_51_P4184	13789.7	Detected	11318.4	Detected	10372.8	Detected	12386.9	Detected	Ddx3x	0.898271899	0.75221361	1.0944038	0.9164546

A_51_P2708	1419.4	Detected	1305.2	Detected	873.7	Detected	1275	Detected	Zfp61	0.898266873	0.61554178	0.97686178	0.6693993
A_55_P1988	3079.8	Detected	2138.1	Detected	3502.6	Detected	2766.4	Detected	Fbxl19	0.898240145	1.13728164	1.29385903	1.6381834
A_55_P1990	1294.1	Detected	1006.8	Detected	963.5	Detected	1162.4	Detected	Add1	0.89823043	0.74453288	1.15454907	0.9569925
A_52_P1687	537.3	Detected	472.1	Detected	584.4	Detected	482.6	Detected	Tmcc3	0.898194677	1.08766052	1.02224105	1.2378733
A_55_P2105	3068.9	Detected	2476.3	Detected	3226.9	Detected	2756.2	Detected	Chchd5	0.898106814	1.05148425	1.11303154	1.3031135
A_52_P6451	3092.3	Detected	2935.8	Detected	3177.2	Detected	2777.1	Detected	Cpsf6	0.898069398	1.02745529	0.94594318	1.0822263
A_51_P3526	4035.1	Detected	3441.2	Detected	3595.6	Detected	3623.7	Detected	Rnf216	0.898044658	0.89108077	1.05303383	1.0448681
A_55_P2002	40.2	Detected	38.9	Detected	25.8	Detected	36.1	Not Detect	Usp17ld	0.89800995	0.64179104	0.92802057	0.6632391
A_52_P6304	2046.2	Detected	1871.5	Detected	1826.6	Detected	1837.5	Detected	Dnajb6	0.89800606	0.89267911	0.98183275	0.9760085
A_52_P4725	24.5	Detected	10	Not Detect	20.2	Detected	22	Not Detect	Sacs	0.897959184	0.8244898	2.2	2.02
A_55_P2026	780.8	Detected	295.6	Detected	808	Detected	701	Detected	Uba7	0.897797131	1.03483607	2.3714479	2.7334235
A_51_P2515	2317.8	Detected	2346.3	Detected	2040.9	Detected	2080.8	Detected	Psmd9	0.897747864	0.88053326	0.88684311	0.8698376
A_52_P3355	3644.7	Detected	3377.9	Detected	3729.5	Detected	3272	Detected	Tiprl	0.897741927	1.02326666	0.96864916	1.1040883
A_51_P2777	3559.1	Detected	2676.9	Detected	3128.1	Detected	3195.1	Detected	Cenpc1	0.897726953	0.87890197	1.19358213	1.1685532
A_52_P2351	599.3	Detected	376.3	Detected	409.2	Detected	538	Detected	Gm5595	0.897714	0.6827966	1.42971034	1.0874302
A_55_P2136	1041.1	Detected	818.3	Detected	742.4	Detected	934.6	Detected	Meis3	0.897704351	0.71309192	1.14212392	0.9072467
A_55_P2166	391.9	Detected	416.1	Detected	299.6	Detected	351.8	Detected	1200014J11Rik	0.897677979	0.76448073	0.84546984	0.7200192
A_55_P2059	706.5	Detected	607.3	Detected	700.9	Detected	634.2	Detected	Zfp111	0.897664544	0.9920736	1.04429442	1.1541248
A_55_P2088	26439.5	Detected	21421	Detected	25464.2	Detected	23733.4	Detected	Uqcrb	0.89764935	0.96311201	1.10795014	1.1887494
A_55_P2170	30796.1	Detected	29002	Detected	31527.8	Detected	27643.4	Detected	Eif2b4	0.897626648	1.0237595	0.95315495	1.0870905
A_65_P1150	207	Detected	167	Detected	193.9	Detected	185.8	Detected	Zfp85	0.897584541	0.93671498	1.11257485	1.1610778
A_55_P2152	44.9	Detected	117	Detected	13.3	Not Detect	40.3	Not Detect	Mitf	0.897550111	0.29621381	0.34444444	0.1136752
A_55_P2041	209.7	Detected	173.4	Detected	193.4	Detected	188.2	Detected	F420015M19Rik	0.89747258	0.92226991	1.08535179	1.1153403
A_52_P5131	916.3	Detected	999.4	Detected	1072.6	Detected	822.3	Detected	Dna2	0.897413511	1.17057732	0.82279368	1.0732439
A_52_P4219	76	Detected	54.4	Detected	44.5	Detected	68.2	Detected	Svil	0.897368421	0.58552632	1.25367647	0.8180147
A_55_P2398	76	Detected	62.2	Detected	66.8	Detected	68.2	Detected	5033423O07Rik	0.897368421	0.87894737	1.09646302	1.073955
A_55_P2019	110851.3	Detected	85412.8	Detected	100230.4	Detected	99470.6	Detected	Mtch1	0.897333635	0.90418786	1.16458657	1.1734822
A_51_P3060	4315	Detected	4039.8	Detected	3630.1	Detected	3871.7	Detected	Lpp	0.897265353	0.84127462	0.95838903	0.8985841
A_51_P2477	7965.5	Detected	5761.1	Detected	6280.8	Detected	7147.1	Detected	Casp8	0.89725692	0.78850041	1.24057906	1.0902085
A_55_P2161	526.5	Detected	449.6	Detected	448.4	Detected	472.4	Detected	Rabgap1	0.897245964	0.85166192	1.05071174	0.997331
A_55_P2087	172.1	Detected	157.8	Detected	122.1	Detected	154.4	Detected	Vmn2r3	0.897152818	0.70947124	0.97845374	0.7737643
A_52_P1055	2167.4	Detected	2317.3	Detected	2497	Detected	1944.3	Detected	Bnip1	0.897065609	1.15207161	0.83903681	1.0775471
A_52_P6413	3248.3	Detected	2969.2	Detected	2856.9	Detected	2913.6	Detected	Desi1	0.896961488	0.8795062	0.98127442	0.9621784
A_55_P2420	143.6	Detected	96.1	Detected	79.3	Detected	128.8	Detected	6330575P09Rik	0.896935933	0.55222841	1.34027055	0.8251821
A_55_P2014	4360.7	Detected	3483.7	Detected	3528.6	Detected	3911.1	Detected	Pdpk1	0.896897287	0.80918201	1.12268565	1.0128886
A_51_P3451	8984.4	Detected	7728.5	Detected	8253.8	Detected	8057.2	Detected	Thap4	0.896798896	0.91868127	1.04253089	1.0679692
A_55_P2027	17618	Detected	16567.9	Detected	17692.5	Detected	15795.2	Detected	Nsa2	0.896537632	1.00422863	0.95336162	1.0678782
A_66_P1145	23333	Detected	24055.9	Detected	24543.9	Detected	20918	Detected	Zcrb1	0.896498521	1.05189646	0.86955799	1.0202861
A_66_P1033	59.9	Detected	53	Detected	55.6	Detected	53.7	Detected	Ogfrl1	0.896494157	0.92821369	1.01320755	1.0490566
A_55_P2007	595.1	Detected	466.7	Detected	373.3	Detected	533.5	Detected	Mir22hg	0.896487985	0.62728953	1.14313263	0.7998714

A_52_P6522	18327.2	Detected	14916.2	Detected	19169.6	Detected	16430	Detected	Psmid14	0.896481732	1.04596447	1.10148697	1.2851531
A_55_P2009	43473.9	Detected	35883.8	Detected	54094.2	Detected	38972.9	Detected	Rnu12	0.896466616	1.2442914	1.0860862	1.5074825
A_55_P2358	705.5	Detected	560.3	Detected	795.1	Detected	632.4	Detected	5-Mar	0.896385542	1.12700213	1.12868106	1.4190612
A_52_P1906	2357.5	Detected	1125.1	Detected	1700.1	Detected	2113.2	Detected	Mxd3	0.896373277	0.72114528	1.87823305	1.5110657
A_52_P1062	5768.7	Detected	5063.1	Detected	3426.2	Detected	5170.7	Detected	Egfr	0.89633713	0.59392931	1.0212518	0.6767
A_66_P1043	4134.6	Detected	3589.1	Detected	4674.4	Detected	3705.9	Detected	Ccdc167	0.896314033	1.13055676	1.03254298	1.3023878
A_55_P2033	1235.9	Detected	1460.2	Detected	1314.7	Detected	1107.7	Detected	Zzz3	0.896269925	1.0637592	0.75859471	0.9003561
A_55_P2043	48.2	Detected	37.9	Detected	39.1	Detected	43.2	Not Detect	Tmem8b	0.89626556	0.81120332	1.13984169	1.0316623
A_51_P3490	13988.4	Detected	10662	Detected	16712.7	Detected	12537.2	Detected	Ptges2	0.896256899	1.19475422	1.17587695	1.5675014
A_55_P2133	2350.6	Detected	1698.7	Detected	1865.3	Detected	2106.7	Detected	Gm10792	0.896239258	0.79354207	1.24018367	1.098075
A_55_P1972	27863.8	Detected	30394.2	Detected	20702.1	Detected	24971.8	Detected	Pmm1	0.896209419	0.74297476	0.82159754	0.6811201
A_55_P2181	66.4	Detected	34.9	Detected	42.9	Detected	59.5	Detected	Gm44	0.896084337	0.64608434	1.70487106	1.2292264
A_55_P1980	335.6	Detected	309.2	Detected	396.8	Detected	300.7	Detected	Osbp	0.896007151	1.18235995	0.9725097	1.2833118
A_55_P2078	159.6	Detected	182.5	Detected	143.4	Detected	143	Detected	Rps6kc1	0.895989975	0.89849624	0.78356164	0.7857534
A_55_P2165	319	Detected	380.5	Detected	322.9	Detected	285.8	Detected	Cenpo	0.895924765	1.01222571	0.75111695	0.8486202
A_51_P4496	24	Detected	37.4	Detected	21.1	Detected	21.5	Not Detect	Pldi	0.895833333	0.87916667	0.57486631	0.5641711
A_52_P6297	56.6	Detected	67.4	Detected	61.7	Detected	50.7	Detected	Zranb3	0.895759717	1.09010601	0.75222552	0.9154303
A_52_P1534	16.3	Detected	14.2	Not Detect	13.6	Not Detect	14.6	Not Detect	Nsun6	0.895705521	0.83435583	1.02816901	0.9577465
A_55_P2009	5128.6	Detected	3998	Detected	3123.7	Detected	4593.7	Detected	Spn	0.895702531	0.6090746	1.1489995	0.7813157
A_51_P3073	5827	Detected	5639.5	Detected	5074.8	Detected	5218.8	Detected	Syde1	0.89562382	0.87091128	0.92540119	0.899867
A_55_P2073	3548.6	Detected	2960.1	Detected	4145.7	Detected	3178	Detected	Chchd5	0.895564448	1.16826354	1.07361238	1.400527
A_51_P2815	1313.5	Detected	1203.8	Detected	1199.4	Detected	1176.3	Detected	Lrrc42	0.89554625	0.91313285	0.97715567	0.9963449
A_51_P2100	5794	Detected	4968.2	Detected	6013.9	Detected	5188.5	Detected	Ercc4	0.89549534	1.03795305	1.04434202	1.2104786
A_55_P2053	9686.5	Detected	7557.5	Detected	9367.3	Detected	8674	Detected	Rabep2	0.895473081	0.96704692	1.14773404	1.2394707
A_52_P1944	265.6	Detected	189.4	Detected	162.9	Detected	237.8	Detected	Ercc6l2	0.895331325	0.61332831	1.25554382	0.8600845
A_55_P2122	86.9	Detected	61.8	Detected	52.6	Detected	77.8	Detected	Olfir907	0.895281933	0.60529344	1.25889968	0.8511327
A_55_P1957	10263.1	Detected	13339.9	Detected	10420.9	Detected	9188	Detected	Tsr1	0.895246076	1.01537547	0.68876079	0.7811828
A_66_P1348	31.5	Detected	14.2	Not Detect	41.7	Detected	28.2	Not Detect	Nos1ap	0.895238095	1.32380952	1.98591549	2.9366197
A_52_P1334	6623.2	Detected	5808.7	Detected	4803.8	Detected	5929	Detected	Plekhm1	0.895186617	0.72529895	1.02071031	0.8270009
A_55_P1970	2756	Detected	2280	Detected	2088.8	Detected	2467	Detected	Rnf11	0.895137881	0.75791001	1.08201754	0.9161404
A_55_P2063	5187.1	Detected	3822.8	Detected	4143.5	Detected	4642.8	Detected	Gpatch8	0.895066608	0.79880858	1.21450246	1.0838914
A_55_P2305	16.2	Detected	18.4	Detected	6.9	Not Detect	14.5	Not Detect	6720427H10Rik	0.895061728	0.42592593	0.78804348	0.375
A_55_P1986	20	Detected	15	Not Detect	25.7	Detected	17.9	Not Detect	Tcrb-J	0.895	1.285	1.19333333	1.7133333
A_65_P0823	239	Detected	314.6	Detected	249	Detected	213.9	Detected	Mef2a	0.894979079	1.041841	0.679911	0.7914812
A_51_P4811	130.4	Detected	129.6	Detected	173	Detected	116.7	Detected	Hdac8	0.89493865	1.32668712	0.90046296	1.3348765
A_51_P5211	583.4	Detected	411.7	Detected	649.5	Detected	522.1	Detected	Hif1an	0.894926294	1.11330134	1.26815642	1.5776051
A_55_P2003	386.3	Detected	363.6	Detected	350.6	Detected	345.7	Detected	Anp32b	0.894900337	0.90758478	0.95077008	0.9642464
A_52_P3650	1756.1	Detected	1209.4	Detected	1721.5	Detected	1571.3	Detected	Zbtb22	0.894766813	0.98029725	1.29923929	1.4234331
A_55_P2165	1583.3	Detected	1454.3	Detected	1399.8	Detected	1416.6	Detected	Aebp2	0.894713573	0.88410282	0.97407688	0.9625249
A_55_P1966	18922.4	Detected	18469.1	Detected	17292.7	Detected	16929.7	Detected	Mad2l2	0.894690948	0.91387456	0.91664997	0.9363044

A_55_P2076	5746.6	Detected	3419.8	Detected	3421.9	Detected	5141.3	Detected	Znfx1	0.894668152	0.59546514	1.50339201	1.0006141
A_51_P4680	4797.2	Detected	3841.9	Detected	5800.9	Detected	4291.3	Detected	Smyd1	0.89454265	1.20922622	1.11697337	1.509904
A_55_P2049	59050.4	Detected	54953.9	Detected	58395.9	Detected	52820.8	Detected	LOC101055805	0.894503678	0.98891625	0.96118383	1.0626343
A_55_P2081	12067.5	Detected	13949.5	Detected	12458.5	Detected	10793.5	Detected	Timeless	0.89442718	1.03240108	0.77375533	0.8931144
A_51_P3156	11944.8	Detected	8093.2	Detected	12738.3	Detected	10683.2	Detected	Nfs1	0.894380818	1.06643058	1.32002175	1.573951
A_51_P5171	9429.9	Detected	8655	Detected	7832.7	Detected	8433.3	Detected	Zfp930	0.894314892	0.83062387	0.97438475	0.9049913
A_55_P2007	12.3	Not Detect	22.7	Detected	3.8	Not Detect	11	Not Detect	4933402N22Rik	0.894308943	0.30894309	0.4845815	0.1674009
A_55_P1996	3312.8	Detected	3951.5	Detected	3950.9	Detected	2962.6	Detected	Dnajb12	0.894288819	1.19261652	0.7497406	0.9998482
A_55_P1969	140563.9	Detected	80215.3	Detected	131951.3	Detected	125704.6	Detected	Ap2m1	0.894287936	0.93872822	1.56709007	1.6449642
A_55_P2010	116.3	Detected	107.7	Detected	100.8	Detected	104	Detected	Serpina10	0.894239037	0.86672399	0.96564531	0.9359331
A_51_P3873	2456.9	Detected	2083.1	Detected	2264.4	Detected	2196.9	Detected	Zmym2	0.894175587	0.92164923	1.05463012	1.0870337
A_51_P4988	52696.5	Detected	45956	Detected	53127.8	Detected	47119.1	Detected	Derl2	0.894159954	1.0081846	1.02530899	1.156058
A_51_P1408	8944.2	Detected	9978.3	Detected	10836.2	Detected	7996.4	Detected	Wdr36	0.894031887	1.21153373	0.80137899	1.0859766
A_51_P3604	109953.5	Detected	95346.1	Detected	106191	Detected	98300.9	Detected	Mcm6	0.894022473	0.96578099	1.03099026	1.1137425
A_55_P2079	31346.2	Detected	16421.9	Detected	25901.7	Detected	28023.5	Detected	Ap2m1	0.893999911	0.82631069	1.70647124	1.5772657
A_55_P2126	3019.2	Detected	3073.6	Detected	2753.9	Detected	2699.1	Detected	Atad5	0.893978537	0.91212904	0.87815591	0.8959852
A_55_P2154	75166	Detected	68722.9	Detected	68141.5	Detected	67190.4	Detected	Sumo2	0.893893516	0.90654684	0.9777003	0.9915399
A_52_P4501	3827.9	Detected	2391.7	Detected	3189.1	Detected	3421.5	Detected	Mtmr4	0.893832127	0.83311999	1.4305724	1.333403
A_55_P2255	63.1	Detected	56.6	Detected	41.5	Detected	56.4	Detected	9130002K18Rik	0.893819334	0.65768621	0.99646643	0.7332155
A_52_P5402	142952.2	Detected	98151.1	Detected	86193.2	Detected	127767.5	Detected	Timp2	0.89377778	0.6029512	1.30174292	0.8781685
A_51_P3491	20656	Detected	18431.9	Detected	22179.9	Detected	18460.8	Detected	2210013O21Rik	0.893725794	1.07377517	1.00156793	1.2033431
A_55_P2011	296.3	Detected	278.4	Detected	233.2	Detected	264.8	Detected	Acvr1l	0.893688829	0.78704016	0.95114943	0.8376437
A_55_P2012	14237.5	Detected	8083.6	Detected	8958.2	Detected	12722.6	Detected	Sfxn3	0.893597893	0.62919754	1.57387798	1.1081944
A_51_P1403	4379.3	Detected	2093.1	Detected	3823.9	Detected	3913.2	Detected	Mocos	0.893567465	0.87317608	1.86957145	1.8269075
A_51_P2916	4211.2	Detected	4252.5	Detected	4439.5	Detected	3762.9	Detected	Tmed4	0.893545783	1.05421258	0.88486772	1.0439741
A_55_P2083	1545.2	Detected	1697.2	Detected	1431.8	Detected	1380.7	Detected	Trmt5	0.893541289	0.92661144	0.81351638	0.8436248
A_55_P2000	16558.9	Detected	9679.9	Detected	18005.1	Detected	14795.3	Detected	Eci2	0.893495341	1.08733672	1.52845587	1.8600502
A_55_P1985	166.1	Detected	131.7	Detected	280.6	Detected	148.4	Detected	Dnase1	0.893437688	1.68934377	1.12680334	2.1305998
A_66_P1326	58777.2	Detected	47559	Detected	54686.3	Detected	52513.7	Detected	Uqcrb	0.893436571	0.93039988	1.10418007	1.1498623
A_55_P2061	4817.6	Detected	4604.5	Detected	4352.3	Detected	4303.9	Detected	Smg6	0.893370143	0.90341664	0.93471604	0.9452275
A_55_P2011	82.5	Detected	78	Detected	87	Detected	73.7	Detected	Oscp1	0.893333333	1.05454545	0.94487179	1.1153846
A_55_P2054	855.8	Detected	665.8	Detected	1026.6	Detected	764.5	Detected	Mzt2	0.893316195	1.19957934	1.14824272	1.5419045
A_55_P1952	6248.5	Detected	4890.1	Detected	6137	Detected	5581.5	Detected	Ccnb1	0.893254381	0.98215572	1.1413877	1.2549846
A_55_P2185	854.1	Detected	607.5	Detected	783.1	Detected	762.9	Detected	Mbtps2	0.893220934	0.91687156	1.25580247	1.2890535
A_51_P4360	203.2	Detected	157	Detected	125.7	Detected	181.5	Detected	Hivep1	0.893208661	0.61860236	1.15605096	0.8006369
A_51_P3625	20.6	Detected	17.2	Not Detect	16.6	Not Detect	18.4	Not Detect	Olf1r1307	0.893203883	0.80582524	1.06976744	0.9651163
A_55_P2075	380062	Detected	344779.2	Detected	405192	Detected	339465.1	Detected	Rpl37a	0.893183481	1.06612079	0.98458695	1.1752217
A_55_P2278	33.7	Detected	32.5	Detected	45.9	Detected	30.1	Not Detect	3830408C21Rik	0.893175074	1.3620178	0.92615385	1.4123077
A_55_P2010	17819.3	Detected	9342.7	Detected	18938.4	Detected	15914.7	Detected	Rab27b	0.893115891	1.06280269	1.70343691	2.02708
A_55_P2063	3300.2	Detected	3197.3	Detected	2618	Detected	2947.2	Detected	Txnrd3	0.893036786	0.79328526	0.92177775	0.8188159

A_52_P5027	2201.4	Detected	1831.5	Detected	1437.2	Detected	1965.9	Detected	Rad54b	0.893022622	0.65285727	1.07338247	0.784712
A_51_P4427	1550.7	Detected	1011.1	Detected	1582.1	Detected	1384.8	Detected	Usp6nl	0.893016057	1.02024892	1.36959747	1.5647315
A_52_P1422	8569.7	Detected	7700.8	Detected	6552.8	Detected	7652.7	Detected	Akirin1	0.892995087	0.76464754	0.9937539	0.8509246
A_66_P1072	3948.7	Detected	6642.5	Detected	3587.7	Detected	3526.1	Detected	Loxl4	0.892977436	0.90857751	0.53083929	0.5401129
A_52_P4641	5482.8	Detected	5040.4	Detected	3985	Detected	4895.5	Detected	Grk6	0.892883198	0.72681841	0.97125228	0.7906119
A_51_P2296	5687.3	Detected	4403.3	Detected	2659	Detected	5077.5	Detected	Plxna2	0.892778647	0.46753292	1.15311244	0.6038653
A_51_P2126	15973.4	Detected	15754.6	Detected	16607	Detected	14260.3	Detected	Chd8	0.892752952	1.03966594	0.90515151	1.0541048
A_55_P2367	104.4	Detected	63.6	Detected	87.8	Detected	93.2	Detected	A630026N12Rik	0.892720307	0.84099617	1.46540881	1.3805031
A_55_P2145	130828.2	Detected	108965.4	Detected	128465	Detected	116789.1	Detected	Rpn2	0.892690567	0.98193662	1.07179986	1.1789522
A_55_P1997	79.2	Detected	60.8	Detected	56.2	Detected	70.7	Detected	Kcnn3	0.892676768	0.70959596	1.16282895	0.9243421
A_55_P2020	55.9	Detected	41.5	Detected	55	Detected	49.9	Detected	Frs3	0.892665474	0.98389982	1.20240964	1.3253012
A_52_P4760	12087.6	Detected	3236.2	Detected	9560.6	Detected	10789.4	Detected	8430427H17Rik	0.892600682	0.79094278	3.33397194	2.9542674
A_52_P1197	5565.6	Detected	9955	Detected	5456.4	Detected	4967.7	Detected	Gadd45b	0.892572229	0.98037947	0.49901557	0.5481065
A_55_P2120	129362.5	Detected	83639.9	Detected	159329.1	Detected	115452.4	Detected	Avpi1	0.89247193	1.23164828	1.38035077	1.9049413
A_55_P2026	113064.5	Detected	97553	Detected	135706	Detected	100899	Detected	LOC101055925	0.892402124	1.20025295	1.0342993	1.3911002
A_51_P1938	1436.3	Detected	1046.8	Detected	1371	Detected	1281.7	Detected	Gtf3c4	0.89236232	0.95453596	1.22439817	1.3097058
A_55_P2081	1267.6	Detected	1675.3	Detected	1347	Detected	1131.1	Detected	Timeless	0.892316188	1.06263806	0.67516266	0.8040351
A_51_P2143	3224.7	Detected	2577.3	Detected	2936.7	Detected	2877.3	Detected	Sephs1	0.892269048	0.91068937	1.11640088	1.1394483
A_55_P2066	169999.8	Detected	164950.8	Detected	148569.5	Detected	151681.1	Detected	Sp110	0.892242814	0.87393926	0.91955359	0.9006898
A_66_P1322	2779.3	Detected	2483.5	Detected	2750.3	Detected	2479.5	Detected	Ercc1	0.892131112	0.98956572	0.99838937	1.107429
A_55_P2115	24.1	Detected	20	Detected	21.3	Detected	21.5	Not Detect	BC052688	0.892116183	0.88381743	1.075	1.065
A_55_P2170	8634.2	Detected	7496.2	Detected	7742.2	Detected	7702.7	Detected	Yipf4	0.892115077	0.89668991	1.02754729	1.0328166
A_55_P2124	900.6	Detected	715.2	Detected	722.4	Detected	803.4	Detected	Smurf2	0.892071952	0.80213191	1.12332215	1.0100671
A_55_P2084	6306.9	Detected	4331.3	Detected	5875.4	Detected	5626.2	Detected	Agfg1	0.892070589	0.93158287	1.29896336	1.356498
A_55_P2160	185.3	Detected	207.4	Detected	233.5	Detected	165.3	Detected	Slc35e2	0.892066919	1.26011873	0.79701061	1.1258438
A_51_P1406	8331	Detected	9214.2	Detected	7815.3	Detected	7431.8	Detected	Asun	0.892065778	0.93809867	0.80655944	0.84818
A_55_P1996	3959	Detected	2922	Detected	2789.9	Detected	3531.2	Detected	Zfp592	0.89194241	0.70469816	1.20848734	0.9547912
A_51_P3979	12083.1	Detected	8119.6	Detected	11389.3	Detected	10777	Detected	D17Wsu92e	0.891906878	0.94258096	1.32728213	1.4026923
A_51_P2064	151.6	Detected	113.3	Detected	103	Detected	135.2	Detected	Zfp773	0.89182058	0.67941953	1.19329214	0.9090909
A_55_P1997	2254.3	Detected	2097.4	Detected	1931.3	Detected	2010.2	Detected	Gm10778	0.89171805	0.85671827	0.95842472	0.9208067
A_55_P2077	2046.5	Detected	1844.3	Detected	1506.2	Detected	1824.9	Detected	Tpgs2	0.891717567	0.73598827	0.9894811	0.8166784
A_55_P2360	2846	Detected	2450.1	Detected	3422.4	Detected	2537.7	Detected	Cbx5	0.891672523	1.20252987	1.03575364	1.3968409
A_51_P3455	5966.7	Detected	5079.5	Detected	5483.1	Detected	5319.5	Detected	Sptlc1	0.891531332	0.91895017	1.04724874	1.0794566
A_52_P5158	298.7	Detected	256.7	Detected	286.9	Detected	266.3	Detected	Med13	0.891529963	0.96049548	1.03739774	1.1176471
A_55_P2113	233.2	Detected	259.4	Detected	139.6	Detected	207.9	Detected	Fosb	0.891509434	0.59862779	0.80146492	0.538165
A_55_P2061	21.2	Detected	24.6	Detected	19.8	Detected	18.9	Not Detect	Olf455	0.891509434	0.93396226	0.76829268	0.804878
A_55_P2031	133.6	Detected	99.1	Detected	111.4	Detected	119.1	Detected	Zfp597	0.891467066	0.83383234	1.20181635	1.1241171
A_55_P1953	11550.7	Detected	11338.7	Detected	10069.5	Detected	10294.8	Detected	Pabpc4	0.891270659	0.87176535	0.90793477	0.8880648
A_55_P2030	7452	Detected	4022.8	Detected	11164.5	Detected	6641.1	Detected	Nedd4l	0.891183575	1.49818841	1.65086507	2.7753058
A_55_P2003	4162	Detected	4532.9	Detected	3631.8	Detected	3709.1	Detected	Gemin8	0.891182124	0.87260932	0.81826204	0.8012089

A_51_P2147	940.8	Detected	903	Detected	302.5	Detected	838.4	Detected	Parp12	0.891156463	0.32153486	0.92846069	0.3349945
A_51_P4337	522.7	Detected	373.5	Detected	384.5	Detected	465.8	Detected	Sgtb	0.891142147	0.7356036	1.24712182	1.0294511
A_55_P2185	122.9	Detected	97.3	Detected	99.9	Detected	109.5	Detected	Zfp865	0.890968267	0.81285598	1.12538541	1.0267215
A_55_P2041	2803.7	Detected	1833.6	Detected	2257.1	Detected	2498	Detected	Nde1	0.89096551	0.80504334	1.36234729	1.2309664
A_66_P1154	216221.5	Detected	233276.6	Detected	212838	Detected	192644.8	Detected	Pabpc1	0.890960427	0.98435169	0.82582136	0.9123847
A_51_P1855	11	Not Detect	21.5	Detected	3.6	Not Detect	9.8	Not Detect	Synm	0.890909091	0.32727273	0.45581395	0.1674419
A_55_P2221	27.5	Detected	20.2	Detected	13.9	Not Detect	24.5	Not Detect	F420014N23Rik	0.890909091	0.50545455	1.21287129	0.6881188
A_51_P3084	1844.8	Detected	1701.3	Detected	1325.8	Detected	1643.4	Detected	Rngtt	0.890828274	0.71866869	0.9659672	0.7792864
A_51_P3510	17.4	Detected	13.6	Not Detect	18.7	Detected	15.5	Not Detect	Lta	0.890804598	1.07471264	1.13970588	1.375
A_55_P1963	29.3	Detected	24.4	Detected	21.7	Detected	26.1	Not Detect	Olfr1396	0.890784983	0.74061433	1.06967213	0.8893443
A_55_P1983	1197.9	Detected	1039.2	Detected	1139.3	Detected	1066.9	Detected	Thap4	0.890641957	0.95108106	1.02665512	1.0963241
A_55_P2152	1274.4	Detected	1309.5	Detected	1290.7	Detected	1134.9	Detected	Xrcc3	0.890536723	1.01279033	0.86666667	0.9856434
A_55_P2169	14.6	Detected	14.6	Not Detect	8.5	Not Detect	13	Not Detect	4930583109Rik	0.890410959	0.58219178	0.89041096	0.5821918
A_55_P2014	10216.8	Detected	7998.9	Detected	8620.1	Detected	9096.8	Detected	Pdpk1	0.890376635	0.84371819	1.13725637	1.0776607
A_55_P2060	1839.9	Detected	766.8	Detected	1027.1	Detected	1638.2	Detected	Ulk2	0.890374477	0.55823686	2.13641106	1.3394627
A_55_P2207	288.1	Detected	218.3	Detected	238	Detected	256.5	Detected	8430437003Rik	0.890315863	0.82610205	1.17498855	1.0902428
A_55_P2084	3712.2	Detected	3362.9	Detected	4704.2	Detected	3304.7	Detected	2310009B15Rik	0.89022682	1.26722698	0.98269351	1.3988522
A_55_P2079	1005.9	Detected	1068	Detected	1254.9	Detected	895.4	Detected	Myo1h	0.890148126	1.24753952	0.83838951	1.175
A_55_P2115	1736.8	Detected	1136.7	Detected	1537	Detected	1545.6	Detected	Fert2	0.889912483	0.88496085	1.35972552	1.3521598
A_51_P5144	1106.1	Detected	636.9	Detected	991.6	Detected	984.3	Detected	Gsk3b	0.889883374	0.89648314	1.54545455	1.5569163
A_55_P2079	92.6	Detected	52	Detected	47.6	Detected	82.4	Detected	Mpp1	0.889848812	0.51403888	1.58461538	0.9153846
A_55_P2101	1328.1	Detected	1256.8	Detected	1268.8	Detected	1181.7	Detected	Tmem237	0.889767337	0.95534975	0.94024507	1.0095481
A_55_P2078	7889.9	Detected	6525.5	Detected	7295	Detected	7020	Detected	Pqlc2	0.889745117	0.9245998	1.07577963	1.117922
A_51_P3846	50970.8	Detected	41952.7	Detected	41510.6	Detected	45350.9	Detected	Ctsd	0.889742755	0.81439962	1.08100075	0.9894619
A_66_P1014	6848.5	Detected	6978.9	Detected	4736.1	Detected	6093.4	Detected	Ogfod3	0.889742279	0.69155289	0.87311754	0.6786313
A_55_P2037	4048.5	Detected	4502.3	Detected	3333.4	Detected	3601.8	Detected	Kifap3	0.889662838	0.82336668	0.79999112	0.7403771
A_55_P2075	31629.9	Detected	31717.2	Detected	30432.8	Detected	28138.4	Detected	Gm8994	0.889613941	0.9621529	0.88716532	0.9595046
A_55_P2115	4719.8	Detected	3008.3	Detected	4032.5	Detected	4198.4	Detected	Fert2	0.889529217	0.85437942	1.39560549	1.3404581
A_55_P1984	2202.2	Detected	1728.5	Detected	1838.1	Detected	1958.8	Detected	Emd	0.889474162	0.83466533	1.13323691	1.0634076
A_55_P2184	466.8	Detected	441.7	Detected	319.9	Detected	415.2	Detected	Yy2	0.889460154	0.6853042	0.94000453	0.7242472
A_51_P4604	328.2	Detected	254.8	Detected	302	Detected	291.9	Detected	Rsf1	0.889396709	0.92017063	1.1456044	1.1852433
A_55_P2038	196815.3	Detected	177314.8	Detected	200559.2	Detected	175041.5	Detected	Rpl31-ps12	0.889369373	1.0190224	0.9871793	1.1310911
A_51_P3326	18379	Detected	14461.6	Detected	18297.4	Detected	16345.4	Detected	Surf1	0.889351978	0.99556015	1.13026221	1.2652404
A_55_P2178	836.9	Detected	917.4	Detected	581.9	Detected	744.2	Detected	Tbc1d1	0.889234078	0.6953041	0.81120558	0.6342926
A_52_P6046	3087.9	Detected	3150.2	Detected	2251	Detected	2745.8	Detected	Csrnp1	0.889212734	0.72897438	0.8716272	0.7145578
A_55_P2036	10162.6	Detected	8634.4	Detected	10658.1	Detected	9035.9	Detected	Med29	0.889132702	1.04875721	1.04650005	1.2343764
A_55_P1971	7460.7	Detected	5248.7	Detected	6700.2	Detected	6633	Detected	Lage3	0.889058667	0.89806587	1.2637415	1.2765447
A_52_P5559	338	Detected	376.9	Detected	257	Detected	300.5	Detected	Nf2	0.889053254	0.76035503	0.79729371	0.6818785
A_55_P2070	329992.4	Detected	307095.7	Detected	340542.6	Detected	293334.2	Detected	Rps2	0.888911987	1.03197104	0.95518824	1.1089136
A_55_P2009	71.1	Detected	67.3	Detected	53.1	Detected	63.2	Detected	Zmiz1	0.888888889	0.74683544	0.93907875	0.7890045

A_55_P2075	11.7	Not Detect	18.8	Detected	20.6	Detected	10.4	Not Detect	Tti2	0.888888889	1.76068376	0.55319149	1.0957447
A_55_P2118	41.4	Detected	45.2	Detected	30.9	Detected	36.8	Not Detect	Cnot4	0.888888889	0.74637681	0.81415929	0.6836283
A_55_P2267	10.8	Not Detect	19	Detected	20.6	Detected	9.6	Not Detect	4930471G03Rik	0.888888889	1.90740741	0.50526316	1.0842105
A_55_P2066	13377.1	Detected	7215.4	Compromis	13884	Detected	11890.4	Detected	Noa1	0.888862309	1.03789312	1.64791973	1.9242176
A_55_P2137	573.1	Detected	401.2	Detected	499	Detected	509.4	Detected	Gm13247	0.888850113	0.87070319	1.26969093	1.2437687
A_55_P2053	9508	Detected	6919.7	Detected	9983.4	Detected	8451	Detected	LOC100861784	0.888830459	1.05	1.22129572	1.4427504
A_52_P5663	5320.7	Detected	4841.3	Detected	3871.2	Detected	4729.1	Detected	Nras	0.888811623	0.72757344	0.97682441	0.7996199
A_52_P5540	248.1	Detected	295.1	Detected	216.1	Detected	220.5	Detected	Rabl2	0.888754534	0.87101975	0.74720434	0.7322941
A_55_P2097	177934.7	Detected	171963.3	Detected	156273.3	Detected	158133.4	Detected	Creb5	0.888715917	0.87826208	0.91957644	0.9087596
A_51_P2281	11931.1	Detected	11435.3	Detected	14019.8	Detected	10601.5	Detected	Ociad1	0.88856015	1.17506349	0.92708543	1.2260107
A_55_P1974	226	Detected	180.8	Detected	196.8	Detected	200.8	Detected	Zgpat	0.888495575	0.87079646	1.11061947	1.0884956
A_55_P2112	412.3	Detected	661.1	Detected	339.9	Detected	366.3	Detected	Ern1	0.888430754	0.82439971	0.55407654	0.5141431
A_51_P1212	24672.7	Detected	27149.5	Detected	23361.2	Detected	21918.5	Detected	Ascc2	0.888370547	0.94684408	0.8073261	0.8604652
A_52_P1533	598.3	Detected	440	Detected	587.7	Detected	531.5	Detected		2-Sep 0.888350326	0.98228314	1.20795455	1.3356818
A_51_P2126	1308.5	Detected	1129	Detected	1406.5	Detected	1162.4	Detected	Cwf1911	0.888345434	1.07489492	1.0295837	1.2457927
A_55_P1984	346.8	Detected	268.5	Detected	358.6	Detected	308	Detected	Wdr41	0.888119954	1.03402537	1.14711359	1.335568
A_51_P1064	243.1	Detected	892.5	Detected	124.2	Detected	215.9	Detected	Speg	0.888111888	0.51090086	0.24190476	0.1391597
A_55_P2058	1343.7	Detected	1357.2	Detected	1287.8	Detected	1193.3	Detected	Smek2	0.888070254	0.95839845	0.87923666	0.9488653
A_55_P2162	15011.9	Detected	12989	Detected	13866.8	Detected	13330.8	Detected	Txndc9	0.888015508	0.92372052	1.02631457	1.0675803
A_55_P1999	59.8	Detected	35.2	Detected	33.5	Detected	53.1	Detected	Cdk12	0.887959866	0.56020067	1.50852273	0.9517045
A_55_P1999	480.1	Detected	506.6	Detected	497.2	Detected	426.3	Detected	Pip5k1a	0.887940012	1.03561758	0.8414923	0.9814449
A_55_P2036	4403.2	Detected	5067.9	Detected	3785.3	Detected	3909.7	Detected	Rabl2	0.88792242	0.85967024	0.77146353	0.7469169
A_52_P3286	2427.9	Detected	2200.4	Detected	1424.1	Detected	2155.7	Detected	Prps2	0.887886651	0.58655628	0.97968551	0.6472005
A_55_P2161	30167.7	Detected	34738.3	Detected	30498.3	Detected	26785.3	Detected	Ddx21	0.887880084	1.01095874	0.77105961	0.8779445
A_55_P2066	29422.8	Detected	25470.9	Detected	30270.2	Detected	26122.5	Detected	Fam104a	0.887831885	1.02880079	1.02558213	1.1884229
A_55_P1957	376678	Detected	348512.4	Detected	410105.5	Detected	334425.2	Detected	Rpl37a	0.8878278	1.08874291	0.95957906	1.1767314
A_51_P4790	21616	Detected	19566.8	Detected	25848.1	Detected	19191.2	Detected	Nif311	0.887823834	1.19578553	0.98080422	1.3210183
A_51_P1899	30258.3	Detected	31819.7	Detected	31654.8	Detected	26863.1	Detected	Nol12	0.887792771	1.04615263	0.84422858	0.9948177
A_55_P2145	122.9	Detected	111.5	Detected	95	Detected	109.1	Detected	Gm826	0.887713588	0.77298617	0.97847534	0.8520179
A_55_P2060	146.9	Detected	127.8	Detected	122.8	Detected	130.4	Detected	Zfp563	0.887678693	0.83594282	1.02034429	0.9608764
A_55_P2107	10523.1	Detected	8605.9	Detected	9534	Detected	9341.1	Detected	Hnrnpk	0.887675685	0.90600679	1.08542976	1.1078446
A_55_P2139	5438.8	Detected	5586	Detected	6027.8	Detected	4827.7	Detected	Cdc26	0.887640656	1.10829595	0.86424991	1.0790906
A_52_P6492	8620.4	Detected	7905.3	Detected	8671.1	Detected	7651.8	Detected	Nras	0.887638625	1.0058814	0.96793291	1.0968717
A_55_P1978	175584.8	Detected	174736.1	Detected	189118.5	Detected	155854	Detected	Rpl17	0.887628086	1.07707786	0.89193933	1.0823093
A_51_P1164	457.4	Detected	443.7	Detected	418.3	Detected	406	Detected	Pald1	0.887625711	0.91451683	0.91503268	0.9427541
A_55_P2032	160624.1	Detected	148984.7	Detected	139242.3	Detected	142570.4	Detected	LOC100048345	0.887602794	0.86688299	0.95694659	0.9346081
A_55_P2094	6247.2	Detected	4464	Detected	3924.7	Detected	5544.7	Detected	Gm15800	0.887549622	0.62823345	1.24209229	0.8791891
A_51_P2298	47147.6	Detected	53249.8	Detected	49077.6	Detected	41844.6	Detected	Eif2b2	0.887523437	1.04093528	0.78581704	0.9216485
A_55_P2033	7665.9	Detected	5487.8	Detected	7713	Detected	6802.4	Detected	Ppm1m	0.887358301	1.00614409	1.23954955	1.4054812
A_55_P2004	1557	Detected	1487.9	Detected	1332.2	Detected	1381.6	Detected	Dnajc25	0.887347463	0.85561978	0.92855703	0.8953559

A_51_P2120	30669.8	Detected	27202.6	Detected	25093.7	Detected	27214	Detected	Sart3	0.887322382	0.81818923	1.00041908	0.9224743
A_55_P2161	311.3	Detected	185.2	Detected	339.7	Detected	276.2	Detected	Rabgap1	0.887247029	1.09123032	1.49136069	1.8342333
A_55_P2135	7782.9	Detected	6549.9	Detected	7148.7	Detected	6905.3	Detected	Fam89b	0.887239975	0.91851366	1.05426037	1.0914212
A_55_P1982	25.7	Detected	24.7	Detected	19.1	Detected	22.8	Not Detect	Gm14496	0.887159533	0.74319066	0.92307692	0.7732794
A_55_P2212	268.5	Detected	188.2	Detected	144.4	Detected	238.2	Detected	C030005K06Rik	0.887150838	0.53780261	1.26567481	0.7672689
A_55_P2251	63.8	Detected	48.6	Detected	53.8	Detected	56.6	Detected	B230214O09Rik	0.887147335	0.84326019	1.16460905	1.1069959
A_55_P2160	15212.5	Detected	13678.5	Detected	15754.7	Detected	13495.5	Detected	Mrps17	0.887132293	1.03564174	0.98662134	1.1517856
A_51_P4122	1285.2	Detected	1172.7	Detected	1076.2	Detected	1140.1	Detected	Rapgef6	0.887099284	0.8373794	0.9722009	0.9177113
A_55_P1969	13837.6	Detected	13166.3	Detected	12191.2	Detected	12275.1	Detected	LOC101056627	0.88708302	0.88101983	0.93231204	0.9259397
A_55_P2106	4061.9	Detected	3402.4	Detected	3538	Detected	3602.9	Detected	Haus7	0.886998695	0.87102095	1.05892899	1.0398542
A_55_P2043	159723.3	Detected	156573.6	Detected	142511.4	Detected	141667.6	Detected	Ccdc138	0.88695638	0.89223927	0.90479877	0.9101879
A_55_P1987	68.1	Detected	74.9	Detected	61.4	Detected	60.4	Detected	Glcci1	0.886930984	0.90161527	0.80640854	0.8197597
A_55_P2009	39242.7	Detected	40994.3	Detected	38989.4	Detected	34802.2	Detected	Psmc1	0.886845197	0.9935453	0.84895217	0.9510932
A_66_P1086	9.7	Not Detect	16.2	Detected	10.2	Not Detect	8.6	Not Detect	LOC101055871	0.886597938	1.05154639	0.5308642	0.6296296
A_55_P2078	2873.8	Detected	2289.1	Detected	3027.8	Detected	2547.9	Detected	Mettl5	0.886596144	1.05358758	1.11305753	1.3227032
A_52_P4982	75336.9	Detected	56032.5	Detected	77765.9	Detected	66788.3	Detected	Hist1h2ak	0.886528381	1.03224184	1.19195645	1.3878713
A_55_P1955	45715.1	Detected	34477	Detected	63461.5	Detected	40526.3	Detected	Nlrp1a	0.886497022	1.38819559	1.175459	1.8406909
A_52_P1236	22744.4	Detected	17055.8	Detected	16298.6	Detected	20161.6	Detected	E130304I02Rik	0.886442377	0.71659837	1.18209641	0.9556045
A_51_P1952	8470.5	Detected	6541.8	Detected	7844.1	Detected	7508.3	Detected	Gpatch11	0.886405761	0.92604923	1.14774221	1.1990736
A_55_P2001	89795.5	Detected	83071.5	Detected	94574	Detected	79594.7	Detected	Rpl31-ps12	0.886399653	1.05321536	0.9581469	1.1384651
A_55_P2058	4731.1	Detected	3746.6	Detected	3783.1	Detected	4193.5	Detected	H2afy	0.886368921	0.79962377	1.11928148	1.0097422
A_51_P2976	39.6	Detected	47.3	Detected	26.9	Detected	35.1	Not Detect	Hcls1	0.886363636	0.67929293	0.74207188	0.5687104
A_55_P2400	20512.8	Detected	15458.8	Detected	14716.2	Detected	18179	Detected	Arhgap21	0.886227136	0.71741547	1.1759645	0.9519626
A_55_P2005	717.1	Detected	604.7	Detected	573.9	Detected	635.5	Detected	Zfp280d	0.886208339	0.80030679	1.05093435	0.9490657
A_52_P8146	18447.7	Detected	14016.5	Detected	19423.5	Detected	16346.9	Detected	Psma4	0.886121305	1.05289548	1.16626119	1.3857596
A_55_P2073	94.8	Detected	60	Detected	52.2	Detected	84	Detected	Manbal	0.886075949	0.55063291	1.4	0.87
A_51_P2654	186161.7	Detected	75019.5	Detected	31694.1	Detected	164947.3	Detected	Ly6a	0.886043155	0.17025038	2.19872566	0.4224782
A_55_P2180	130.7	Detected	118.7	Detected	184.9	Detected	115.8	Detected	Prr22	0.88599847	1.41469013	0.97556866	1.5577085
A_66_P1123	37959.6	Detected	24007.6	Detected	46961.3	Detected	33625.2	Detected	BC029722	0.885815446	1.23713896	1.40060647	1.9561014
A_52_P5727	7368.4	Detected	5413.4	Detected	5139.7	Detected	6526.6	Detected	Gxylt1	0.885755388	0.69753271	1.20563786	0.9494403
A_52_P5044	2159.8	Detected	2029.1	Detected	2799.4	Detected	1913	Detected	Rnf138	0.88573016	1.29613853	0.94278251	1.3796264
A_55_P2023	10.5	Not Detect	17.3	Detected	3.4	Not Detect	9.3	Not Detect	Gm20877	0.885714286	0.32380952	0.53757225	0.1965318
A_55_P1997	9451.6	Detected	7132.1	Detected	6985.3	Detected	8370.7	Detected	Exoc6b	0.88563841	0.73906005	1.17366554	0.979417
A_55_P2000	136.4	Detected	122.9	Detected	136.2	Detected	120.8	Detected	Zfp58	0.885630499	0.99853372	0.98291294	1.1082181
A_52_P4670	3641.6	Detected	2867.5	Detected	3373.6	Detected	3225	Detected	Wdr48	0.885599736	0.92640598	1.12467306	1.1764952
A_55_P2183	6730.7	Detected	6745.8	Detected	7010.1	Detected	5960.5	Detected	Rgs19	0.885569109	1.04151128	0.88358682	1.0391799
A_52_P4326	2092.7	Detected	1782.6	Detected	2296	Detected	1853.2	Detected	Ctdsp2	0.885554547	1.09714723	1.03960507	1.2880063
A_55_P1983	4692.9	Detected	4337	Detected	4664.7	Detected	4155.6	Detected	Rcbtb1	0.885507895	0.99399092	0.95817385	1.0755591
A_55_P2003	348.4	Detected	298.6	Detected	243.8	Detected	308.5	Detected	Sh2d5	0.885476464	0.69977038	1.03315472	0.8164769
A_55_P2132	146701.6	Detected	150243.7	Detected	158585.8	Detected	129890	Detected	ND3	0.88540275	1.08100934	0.86452876	1.0555238

A_52_P271	4361.7	Detected	4670	Detected	6533.4	Detected	3861.8	Detected	Dnajs18	0.885388725	1.49790219	0.8269379	1.399015
A_65_P1320	5776	Detected	4454.4	Detected	4522.7	Detected	5113.9	Detected	Ctsd	0.885370499	0.78301593	1.14805585	1.0153332
A_55_P2041	71763.2	Detected	42506.8	Detected	63774.2	Detected	63536.3	Detected	Scand1	0.885360463	0.88867553	1.49473261	1.5003294
A_55_P1974	1776.2	Detected	1325.9	Detected	1518	Detected	1572.5	Detected	Vangl1	0.885316969	0.85463349	1.18598688	1.1448827
A_55_P2052	278694.6	Detected	253751.4	Detected	272705.1	Detected	246732.5	Detected	Rpl6	0.885314965	0.97850873	0.97233946	1.074694
A_55_P1982	879.7	Detected	636.2	Detected	776.3	Detected	778.8	Detected	Homer1	0.885301807	0.88245993	1.22414335	1.2202138
A_55_P2165	292.9	Detected	272.3	Detected	237.8	Detected	259.3	Detected	Nrxn3	0.88528508	0.81188119	0.95225854	0.8733015
A_55_P2058	3453.1	Detected	3742.8	Detected	3705	Detected	3056.8	Detected	Cluh	0.885233558	1.07294894	0.81671476	0.9899006
A_55_P2101	27	Detected	25.4	Detected	16.5	Not Detect	23.9	Not Detect	6430573P05Rik	0.885185185	0.61111111	0.94094488	0.6496063
A_55_P1980	48023.8	Detected	32825.6	Detected	48906.3	Detected	42509.1	Detected	Romo1	0.885167355	1.01837631	1.29499842	1.4898829
A_51_P2463	33301	Detected	28390.1	Detected	29389.6	Detected	29475.9	Detected	Rfc5	0.885135582	0.88254407	1.03824573	1.0352059
A_52_P1105	896.1	Detected	633.4	Detected	700.9	Detected	793.1	Detected	Ttk	0.885057471	0.78216717	1.25213135	1.1065677
A_55_P1961	60.9	Detected	78.3	Detected	3317.3	Detected	53.9	Detected	H19	0.885057471	54.4712644	0.68837803	42.366539
A_66_P1002	1925.6	Detected	1277.7	Detected	1699.9	Detected	1704.2	Detected	Paxbp1	0.88502285	0.88278978	1.33380293	1.3304375
A_66_P1116	12195.3	Detected	11648	Detected	12230.4	Detected	10792.2	Detected	Gm9372	0.88494748	1.00287816	0.92652816	1.05
A_55_P2076	36.5	Detected	26	Detected	22.2	Detected	32.3	Not Detect	Cacna1f	0.884931507	0.60821918	1.24230769	0.8538462
A_55_P1974	778.1	Detected	824	Detected	541.9	Detected	688.5	Detected	Gm5067	0.884847706	0.69644005	0.83555825	0.6576456
A_55_P2151	25489.5	Detected	27740.1	Detected	25490.4	Detected	22553.3	Detected	Acp1	0.88480747	1.00003531	0.81302158	0.9189008
A_55_P1999	2811.3	Detected	2831.5	Detected	2070.4	Detected	2487.1	Detected	A630007B06Rik	0.884679686	0.73645644	0.87836836	0.7312025
A_52_P1699	6317.1	Detected	5314	Detected	5316.8	Detected	5588.5	Detected	Slc25a51	0.884662266	0.84165202	1.051656	1.0005269
A_65_P1163	640.6	Detected	650.5	Detected	652.5	Detected	566.7	Detected	Usp14	0.884639401	1.01857633	0.87117602	1.0030746
A_55_P1965	43327.8	Detected	35022.8	Detected	42434.8	Detected	38329	Detected	Uqcrb	0.884628345	0.97938968	1.09440136	1.2116336
A_51_P3041	98.8	Detected	60.7	Detected	74.1	Detected	87.4	Detected	Serac1	0.884615385	0.75	1.4398682	1.2207578
A_55_P2162	10.4	Not Detect	7.1	Not Detect	17	Detected	9.2	Not Detect	Cyp2b23	0.884615385	1.63461538	1.29577465	2.3943662
A_55_P2047	10.4	Not Detect	16.7	Detected	12.8	Not Detect	9.2	Not Detect	Adcy5	0.884615385	1.23076923	0.5508982	0.7664671
A_52_P6055	76.2	Detected	37.5	Detected	66	Detected	67.4	Detected	Sdccag3	0.884514436	0.86614173	1.79733333	1.76
A_55_P1954	96.1	Detected	53.3	Detected	79.6	Detected	85	Detected	Phf1	0.884495317	0.82830385	1.59474672	1.4934334
A_55_P1971	4886.4	Detected	3448.6	Detected	517.3	Detected	4321.8	Detected	Atp11a	0.884454813	0.10586526	1.2532042	0.1500029
A_55_P1998	4518.5	Detected	3986.1	Detected	3854.6	Detected	3996.3	Detected	Tmem214	0.884430674	0.85307071	1.00255889	0.9670104
A_52_P1444	420.5	Detected	362.9	Detected	278.8	Detected	371.9	Detected	Selrc1	0.884423306	0.66302021	1.02480022	0.7682557
A_55_P2075	10138.7	Detected	8311.3	Detected	10782.2	Detected	8966.8	Detected	Gm5215	0.884413189	1.06346968	1.07886853	1.297294
A_51_P2348	1467.1	Detected	1198.7	Detected	1412.5	Detected	1297.5	Detected	Sfxn5	0.884397792	0.96278372	1.08242262	1.1783599
A_66_P1069	44.1	Detected	30.8	Detected	25.1	Detected	39	Not Detect	Gm3916	0.884353741	0.569161	1.26623377	0.8149351
A_52_P5899	26.8	Detected	32.2	Detected	26.2	Detected	23.7	Not Detect	Defb36	0.884328358	0.97761194	0.73602484	0.8136646
A_55_P1971	6718.2	Detected	3742.5	Detected	5076.2	Detected	5940.4	Detected	Jak2	0.884224941	0.75558929	1.58728123	1.3563661
A_66_P1388	11943	Detected	12381.4	Detected	18983.8	Detected	10560.2	Detected	Ndufs8	0.884216696	1.58953362	0.85290839	1.5332515
A_51_P2948	8737	Detected	7315.1	Detected	7585.9	Detected	7724.3	Detected	Stom	0.884090649	0.86824997	1.05593908	1.0370193
A_55_P2367	521.8	Detected	236.7	Detected	243.8	Detected	461.3	Detected	Efcab4a	0.884055194	0.46722882	1.94888044	1.0299958
A_51_P2343	3505	Detected	3347	Detected	3204.5	Detected	3098.2	Detected	Rpa2	0.883937233	0.91426534	0.92566477	0.9574246
A_55_P2147	43.9	Detected	39.3	Detected	65.7	Detected	38.8	Not Detect	Dpysl4	0.883826879	1.49658314	0.98727735	1.6717557

A_51_P1072	43031.9	Detected	34766.4	Detected	40693.1	Detected	38032.3	Detected	Abcf1	0.883816425	0.94564962	1.0939384	1.1704721
A_66_P1039	56.8	Detected	87.3	Detected	61.9	Detected	50.2	Detected	Acp1	0.883802817	1.08978873	0.57502864	0.7090493
A_51_P5131	47312.6	Detected	47635.7	Detected	45006.2	Detected	41814.7	Detected	Tra2a	0.883796283	0.95125189	0.87780173	0.9447998
A_51_P2355	2770.9	Detected	2593.1	Detected	3560	Detected	2448.8	Detected	Mtmr9	0.88375618	1.28478112	0.94435232	1.3728742
A_55_P1992	280.3	Detected	103.6	Detected	254.9	Detected	247.7	Detected	Ptprj	0.88369604	0.9093828	2.39092664	2.4604247
A_55_P2100	82.5	Detected	92.9	Detected	106.7	Detected	72.9	Detected	Gm12216	0.883636364	1.29333333	0.78471475	1.1485468
A_55_P2161	575.6	Detected	443	Detected	46.4	Detected	508.6	Detected	Thsd7a	0.883599722	0.08061154	1.14808126	0.1047404
A_55_P2115	37.8	Detected	54.6	Detected	8.4	Not Detect	33.4	Not Detect	5930422O12Rik	0.883597884	0.22222222	0.61172161	0.1538462
A_51_P3620	83390.9	Detected	60802.9	Detected	97177.6	Detected	73683.3	Detected	Atp5e	0.883589217	1.16532619	1.21183858	1.5982396
A_52_P4068	4671.3	Detected	5149	Detected	4065.7	Detected	4127.2	Detected	Dkc1	0.883522788	0.87035729	0.8015537	0.7896096
A_55_P1958	20.6	Detected	22.9	Detected	14.6	Not Detect	18.2	Not Detect	Olf965	0.883495146	0.70873786	0.79475983	0.6375546
A_55_P2128	7604.5	Detected	6675.9	Detected	7769	Detected	6718.2	Detected	Gmn	0.883450588	1.02163193	1.00633622	1.1637382
A_55_P2271	290.7	Detected	345.2	Detected	256.8	Detected	256.8	Detected	Cyb5d1	0.883384933	0.88338493	0.74391657	0.7439166
A_51_P1644	9088.1	Detected	9137	Detected	7258.9	Detected	8026.7	Detected	Eef1e1	0.883209912	0.79872581	0.87848309	0.7944511
A_55_P2080	464.8	Detected	550.8	Detected	757.3	Detected	410.5	Detected	Chka	0.883175559	1.62930293	0.74527959	1.3749092
A_55_P2338	59.9	Detected	55.3	Detected	51.2	Detected	52.9	Detected	F830115B05Rik	0.883138564	0.85475793	0.95660036	0.925859
A_55_P2178	691.3	Detected	598.6	Detected	634.7	Detected	610.5	Detected	Wdr45b	0.883118762	0.91812527	1.01987972	1.0603074
A_52_P5719	890.5	Detected	1144.3	Detected	662	Detected	786.4	Detected	Arv1	0.883099382	0.74340258	0.68723237	0.5785196
A_51_P5207	553.2	Detected	569.4	Detected	637.3	Detected	488.5	Detected	Nupl1	0.883044107	1.15202458	0.85792062	1.1192483
A_55_P2062	11280	Detected	7711.1	Detected	10282.7	Detected	9960.4	Detected	Atf2	0.883014184	0.91158688	1.29169639	1.3334933
A_55_P2114	35063.5	Detected	23950.9	Detected	37026.3	Detected	30961.4	Detected	Romo1	0.883009397	1.05597844	1.29270299	1.5459252
A_55_P2002	151.2	Detected	132.5	Detected	121.4	Detected	133.5	Detected	Fam160a1	0.882936508	0.80291005	1.00754717	0.9162264
A_51_P2749	15281.4	Detected	14705.8	Detected	20693	Detected	13492	Detected	Atad1	0.882903399	1.35412986	0.91746114	1.4071319
A_55_P2061	179.3	Detected	180	Detected	169.8	Detected	158.3	Detected	Pnlcd1	0.882877858	0.94701617	0.87944444	0.9433333
A_51_P3135	84.5	Detected	68.6	Detected	84.2	Detected	74.6	Detected	Olf577	0.882840237	0.9964497	1.08746356	1.2274052
A_51_P1604	607.6	Detected	534.3	Detected	594.3	Detected	536.4	Detected	Yod1	0.882817643	0.9781106	1.00393038	1.1122965
A_55_P2061	67916.7	Detected	64025.8	Detected	60908.7	Detected	59952.7	Detected	Psmd1	0.882738708	0.89681477	0.93638346	0.9513149
A_52_P5805	1973.1	Detected	1852.2	Detected	1365.1	Detected	1741.5	Detected	Usp34	0.882621256	0.69185546	0.94023324	0.7370154
A_66_P1392	5513.2	Detected	4660.4	Detected	3961.4	Detected	4865.9	Detected	Kctd3	0.882590873	0.71853007	1.04409493	0.8500129
A_55_P2378	228.2	Detected	122.1	Detected	131.6	Detected	201.4	Detected	LOC553096	0.882559159	0.57668712	1.64946765	1.0778051
A_52_P1239	1187.7	Detected	691.8	Detected	1024.3	Detected	1048.2	Detected	Mospd2	0.882546097	0.86242317	1.5151778	1.4806302
A_55_P1966	3427.4	Detected	1419.2	Detected	6324.1	Detected	3024.8	Detected	Gstm1	0.882534866	1.8451596	2.1313416	4.456102
A_52_P1545	1116.7	Detected	827.6	Detected	1270.5	Detected	985.5	Detected	Ube2q2	0.88251097	1.13772723	1.19079265	1.5351619
A_55_P2263	260.1	Detected	182.3	Detected	124.3	Detected	229.5	Detected	6330526H18Rik	0.882352941	0.47789312	1.25891388	0.6818431
A_55_P1973	9423.5	Detected	5163.8	Detected	8728.8	Detected	8314.6	Detected	Ppp1r13b	0.8823261	0.92628004	1.6101708	1.6903831
A_66_P1020	2767.5	Detected	1596	Detected	2402.1	Detected	2441.8	Detected	Tbc1d13	0.882312556	0.86796748	1.52994987	1.5050752
A_51_P3801	29549.3	Detected	20065.7	Detected	16487.6	Detected	26066.7	Detected	Id3	0.882142724	0.55796922	1.29906756	0.8216808
A_51_P2478	83341.1	Detected	66660.3	Detected	93300.7	Detected	73516.6	Detected	Ndufb8	0.882116987	1.11950406	1.10285432	1.3996442
A_52_P1084	258.6	Detected	238.8	Detected	210.6	Detected	228.1	Detected	Wac	0.882057231	0.81438515	0.95519263	0.8819095
A_55_P2086	1834.6	Detected	1994	Detected	1470.1	Detected	1618.1	Detected	Slc45a4	0.881990625	0.80131909	0.81148445	0.7372618

A_65_P0531	913.2 Detected	666 Detected	703.3 Detected	805.4 Detected	Zfp182	0.88195357	0.77014893	1.20930931	1.056006
A_55_P2168	25.4 Detected	25.1 Detected	23.3 Detected	22.4 Not Detect	Gm1661	0.881889764	0.91732283	0.89243028	0.9282869
A_55_P2075	2333.1 Detected	1824.2 Detected	2289.5 Detected	2057.3 Detected	Ulk3	0.881788179	0.98131242	1.12778204	1.2550707
A_55_P2211	1661.3 Detected	1509.9 Detected	5213.1 Detected	1464.9 Detected	Fgf18	0.881779329	3.13796424	0.9701967	3.4526128
A_55_P2023	1572 Detected	1328.7 Detected	1549.5 Detected	1386.1 Detected	Zfp386	0.881743003	0.98568702	1.04320012	1.1661775
A_55_P2054	46.5 Detected	36.5 Detected	37.6 Detected	41 Not Detect	Rxfp3	0.88172043	0.80860215	1.12328767	1.030137
A_55_P2091	13535.6 Detected	12719.6 Detected	13735 Detected	11933.9 Detected	Ltbp3	0.881667602	1.01473152	0.93822919	1.0798296
A_51_P5121	1993.1 Detected	2338.1 Detected	2515.7 Detected	1757.2 Detected	Slc30a6	0.881641664	1.26220461	0.7515504	1.0759591
A_52_P3085	239.9 Detected	157.2 Detected	217.3 Detected	211.5 Detected	Chd6	0.881617341	0.90579408	1.34541985	1.3823155
A_52_P1342	3210.1 Detected	2596 Detected	2960 Detected	2829.3 Detected	Lsm11	0.881374412	0.92208965	1.08986903	1.1402157
A_55_P2124	23.6 Detected	22.4 Detected	17.6 Not Detect	20.8 Not Detect	Cyp2j13	0.881355932	0.74576271	0.92857143	0.7857143
A_51_P3009	14519.3 Detected	12873.4 Detected	13520 Detected	12796 Detected	Rbbp8	0.881309705	0.93117437	0.9939876	1.0502276
A_55_P2089	4918.4 Detected	4068.6 Detected	5638.8 Detected	4333.7 Detected	Rnf121	0.881119876	1.1464704	1.06515755	1.3859313
A_55_P2017	28597.3 Detected	24149.5 Detected	26503.7 Detected	25197.1 Detected	Igsf9	0.881100663	0.92679029	1.04337978	1.0974844
A_55_P2100	2347.6 Detected	2179.7 Detected	1879.2 Detected	2068.2 Detected	Kif2c	0.880984836	0.80047708	0.94884617	0.862137
A_55_P2337	67.2 Detected	56 Detected	57.1 Detected	59.2 Detected	C030010L15Rik	0.880952381	0.84970238	1.05714286	1.0196429
A_66_P1026	237.7 Detected	190.4 Detected	130.6 Detected	209.4 Detected	Btrc	0.880942364	0.54943206	1.09978992	0.6859244
A_55_P1998	38327.4 Detected	37846.2 Detected	39318.2 Detected	33763.9 Detected	Cdk4	0.880933745	1.02585096	0.89213448	1.0388943
A_55_P2073	24238.4 Detected	21561.2 Detected	26205.1 Detected	21352.4 Detected	Elp2	0.880932735	1.08113984	0.99031594	1.2153823
A_55_P2039	17475.8 Detected	17967.8 Detected	13995.1 Detected	15393.6 Detected	Drosha	0.880852379	0.80082743	0.8567326	0.7788989
A_52_P2542	229.1 Detected	200.8 Detected	233 Detected	201.8 Detected	Slc11a2	0.880838062	1.01702313	1.00498008	1.1603586
A_55_P2087	86511 Detected	84041.8 Detected	80544.6 Detected	76188 Detected	Gps1	0.880674134	0.93103305	0.90654888	0.9583874
A_55_P2029	789.3 Detected	539.2 Detected	579.7 Detected	695.1 Detected	Osbpl1a	0.880653744	0.73444825	1.28913205	1.0751113
A_55_P2060	58128.1 Detected	50092.4 Detected	55209.7 Detected	51188.4 Compromis	Apopt1	0.880613679	0.94979365	1.02187957	1.1021572
A_51_P1860	5931.1 Detected	7372.7 Detected	6629.9 Detected	5222.9 Detected	Rrp15	0.880595505	1.11781963	0.70841076	0.8992499
A_55_P2245	31044.4 Detected	16875.5 Detected	21709.7 Detected	27336.9 Detected	Lrrc8a	0.880574274	0.69931131	1.61991645	1.2864626
A_51_P4076	5140.6 Detected	4385.3 Detected	4307 Detected	4526.6 Detected	Ints3	0.88055869	0.83783994	1.03222128	0.9821449
A_51_P1445	15.9 Detected	9.7 Not Detect	17.1 Not Detect	14 Not Detect	1700063H04Rik	0.880503145	1.0754717	1.44329897	1.7628866
A_52_P1032	418.4 Detected	343.3 Detected	377.3 Detected	368.4 Detected	AA987161	0.880497132	0.90176864	1.07311389	1.0990387
A_55_P2121	41 Detected	34.9 Detected	32.6 Detected	36.1 Not Detect	Alox12b	0.880487805	0.79512195	1.03438395	0.9340974
A_52_P5125	25.1 Detected	39.6 Detected	28.1 Detected	22.1 Not Detect	Hopx	0.880478088	1.11952191	0.55808081	0.709596
A_55_P2430	374.8 Detected	359.1 Detected	416.4 Detected	330 Detected	Fam35a	0.880469584	1.11099253	0.91896408	1.1595656
A_55_P2081	57.7 Detected	60.4 Detected	45.6 Detected	50.8 Detected	Gpr25	0.880415945	0.79029463	0.8410596	0.7549669
A_55_P2121	1602.8 Detected	1257.3 Detected	933.3 Detected	1410.9 Detected	Smo	0.880272024	0.58229349	1.12216655	0.7423049
A_55_P1965	129208.5 Detected	104403.9 Detected	115812.7 Detected	113724.5 Detected	Gm6525	0.880162683	0.89632416	1.08927444	1.1092756
A_55_P2149	87.6 Detected	78 Detected	76.7 Detected	77.1 Detected	Camk2a	0.880136986	0.87557078	0.98846154	0.9833333
A_55_P2095	16358.5 Detected	5790.9 Detected	2355.4 Detected	14397.2 Detected	Ly6g	0.880105144	0.14398631	2.48617659	0.4067416
A_52_P4961	85 Detected	65.7 Detected	58.2 Detected	74.8 Detected	Zfp143	0.88	0.68470588	1.13850837	0.8858447
A_52_P7950	67.5 Detected	62.7 Detected	87 Detected	59.4 Detected	Zfp667	0.88	1.28888889	0.94736842	1.3875598
A_55_P2132	59070.1 Detected	55604.8 Detected	52501.5 Detected	51979 Detected	Sumo2	0.879954495	0.88879992	0.9347934	0.9441901

A_51_P1122	19026.7	Detected	3593.4	Detected	29491.1	Detected	16740.7	Detected	Gsta4	0.879853049	1.54998502	4.65873546	8.2070184
A_52_P1797	36060.6	Detected	32518.4	Detected	43144.9	Detected	31725.3	Detected	Txn14a	0.879777375	1.19645541	0.97561073	1.3267842
A_51_P5031	1382.1	Detected	961.1	Detected	1137.5	Detected	1215.9	Detected	Rbm15b	0.879748209	0.82302294	1.26511289	1.1835397
A_55_P2071	19981.5	Detected	13712.1	Detected	15685.9	Detected	17578.1	Detected	Rhog	0.87971874	0.78502114	1.28194077	1.1439459
A_55_P1986	1689.3	Detected	1465.2	Detected	1977.3	Detected	1486	Detected	Ccdc126	0.879654295	1.17048482	1.01419601	1.3495086
A_52_P5722	19126.4	Detected	18809.7	Detected	20611.1	Detected	16823.4	Detected	Laptm4a	0.879590514	1.07762569	0.89440023	1.0957697
A_51_P1500	1404.2	Detected	924.1	Detected	1399.7	Detected	1235.1	Detected	Abhd10	0.879575559	0.99679533	1.33654366	1.5146629
A_65_P0952	4626.1	Detected	4108.1	Detected	4665.5	Detected	4068.4	Detected	Scrn3	0.879444889	1.00851689	0.99033617	1.1356832
A_51_P2141	5535.4	Detected	3239.7	Detected	4365.8	Detected	4867.8	Detected	Tbc1d20	0.879394443	0.78870542	1.50254653	1.3475939
A_55_P2055	46.4	Detected	49.4	Detected	47.7	Detected	40.8	Not Detect	Prss44	0.879310345	1.02801724	0.82591093	0.965587
A_55_P1955	18607.6	Detected	11769.6	Detected	18723.9	Detected	16357.2	Detected	Fopnl	0.879060169	1.00625013	1.38978385	1.5908697
A_55_P1963	58.7	Detected	69.5	Detected	67.8	Detected	51.6	Detected	Brwd3	0.879045997	1.15502555	0.74244604	0.9755396
A_66_P1062	1918.8	Detected	1325.3	Detected	1816.6	Detected	1686.6	Detected	Secisbp2	0.878986867	0.94673754	1.27261752	1.3707085
A_55_P1991	3279.9	Detected	2545.5	Detected	3248.9	Detected	2882.6	Detected	Nosip	0.878868258	0.99054849	1.13242978	1.2763308
A_51_P4505	11735.1	Detected	9453.6	Detected	12497.6	Detected	10313.5	Detected	Tgfb2	0.878859149	1.06497601	1.09096006	1.3219937
A_55_P2088	192.3	Detected	377.7	Detected	166.9	Detected	169	Detected	Sgsm1	0.878835153	0.86791472	0.44744506	0.4418851
A_55_P2057	10868.4	Detected	9684.3	Detected	7827.5	Detected	9549	Detected	Tpr	0.878602186	0.72020721	0.98602893	0.808267
A_55_P2161	608.6	Detected	607.8	Detected	642.6	Detected	534.7	Detected	Ddx23	0.878573776	1.05586592	0.87973017	1.0572557
A_55_P2001	12149.7	Detected	10703.5	Detected	13495.1	Detected	10674.2	Detected	Smim4	0.878556672	1.11073524	0.99726258	1.2608119
A_55_P2021	74.1	Detected	95.4	Detected	83	Detected	65.1	Detected	Fkbp1b	0.87854251	1.12010796	0.68238994	0.870021
A_55_P2073	265023.8	Detected	241898.3	Detected	245970	Detected	232820.3	Detected	Rpl7	0.878488272	0.92810532	0.96247183	1.0168323
A_55_P2032	74	Detected	64.3	Detected	54.9	Detected	65	Detected	Pip5k1c	0.878378378	0.74189189	1.01088647	0.8538103
A_51_P2512	455.2	Detected	321	Detected	370.6	Detected	399.8	Detected	Psd	0.878295255	0.81414763	1.24548287	1.1545171
A_55_P2088	30.4	Detected	21.3	Detected	27	Detected	26.7	Not Detect	Syn3	0.878289474	0.88815789	1.25352113	1.2676056
A_55_P2023	2779.4	Detected	2197.4	Detected	2581.5	Detected	2441.1	Detected	Mfap1a	0.878283083	0.92879758	1.1109038	1.1747975
A_55_P1965	61634.8	Detected	45293.4	Detected	45338.9	Detected	54131.2	Detected	Map7d1	0.878257089	0.73560553	1.19512335	1.0010046
A_55_P1955	93400.1	Detected	81071.8	Detected	100255.5	Detected	82026.5	Detected	Gm5908	0.878227111	1.07339821	1.01177598	1.2366261
A_51_P1876	3457.1	Detected	2275.6	Detected	2575.2	Detected	3036.1	Detected	Rmi1	0.878221631	0.7449018	1.33419757	1.1316576
A_51_P1388	5342.9	Detected	5398.3	Detected	4450.2	Detected	4691	Detected	Tmem68	0.87798761	0.83291845	0.86897727	0.8243706
A_55_P2004	55795.8	Detected	36687.6	Detected	53360.6	Detected	48985.6	Detected	Gnai2	0.877944218	0.95635514	1.33520863	1.4544587
A_51_P2052	652	Detected	558.3	Detected	550.7	Detected	572.3	Detected	Tmem161b	0.877760736	0.8446319	1.02507612	0.9863872
A_55_P2151	64057.1	Detected	59247.4	Detected	73859.3	Detected	56224.9	Detected	Cox7a2l	0.877730962	1.15302285	0.9489851	1.2466252
A_51_P2896	32.7	Detected	88.2	Detected	31	Detected	28.7	Not Detect	Npm2	0.877675841	0.94801223	0.32539683	0.3514739
A_55_P2049	389.9	Detected	329.2	Detected	365	Detected	342.2	Detected	Zfp160	0.877660939	0.93613747	1.03948967	1.1087485
A_51_P4812	3596.5	Detected	3264.3	Detected	2728.5	Detected	3156.1	Detected	Ofd1	0.877547616	0.75865425	0.96685354	0.8358607
A_55_P1954	254.3	Detected	255.8	Detected	205.7	Detected	223.1	Detected	Gm7967	0.877310263	0.80888714	0.87216575	0.8041439
A_66_P1222	113.2	Detected	89.3	Detected	91.4	Detected	99.3	Detected	Kcnd3	0.877208481	0.80742049	1.11198208	1.0235162
A_51_P4353	2467	Detected	1875.5	Detected	1323.5	Detected	2164	Detected	Ap1s2	0.87717876	0.53648156	1.15382565	0.7056785
A_52_P6799	14626.3	Detected	14243.9	Detected	14416.7	Detected	12827.6	Detected	Eif4a3	0.877022897	0.98566965	0.90056796	1.0121315
A_51_P4183	1411.4	Detected	1301.3	Detected	1112.6	Detected	1237.8	Detected	Mis12	0.877001559	0.78829531	0.95120264	0.8549912

A_55_P1971	73679	Detected	75664	Detected	88379.1	Detected	64616.2	Detected	Snrpd1	0.876996159	1.19951547	0.85398869	1.1680469
A_66_P1028	556	Detected	345.5	Detected	402.6	Detected	487.6	Detected	Lrrc8a	0.876978417	0.72410072	1.41128799	1.1652677
A_55_P2183	1075.4	Detected	619.5	Detected	1036.1	Detected	943.1	Detected	Gm7120	0.876976009	0.96345546	1.52235674	1.6724778
A_51_P5210	31.7	Detected	42.8	Detected	30.2	Detected	27.8	Not Detect	Ly6k	0.876971609	0.95268139	0.64953271	0.7056075
A_55_P2072	38.2	Detected	35.7	Detected	44.6	Detected	33.5	Not Detect	Vpreb2	0.876963351	1.16753927	0.93837535	1.2492997
A_52_P4725	5885.1	Detected	7328.2	Detected	5776.8	Detected	5160	Detected	Gmps	0.876790539	0.98159759	0.70412925	0.7882973
A_55_P2176	1589.3	Detected	2294.9	Detected	2570.8	Detected	1393.4	Detected	Pdxk	0.876738187	1.61756748	0.60717243	1.1202231
A_55_P2135	65.7	Detected	43.8	Detected	41.1	Detected	57.6	Detected	Ptrhd1	0.876712329	0.62557078	1.31506849	0.9383562
A_55_P2092	10211.1	Detected	10702.8	Detected	6950.1	Detected	8951.5	Detected	Traf3	0.876644044	0.68064165	0.83636992	0.6493721
A_52_P1621	3010.8	Detected	2671.7	Detected	2493.9	Detected	2639.3	Detected	Snx12	0.876610868	0.82831806	0.98787289	0.9334506
A_65_P2024	16.2	Detected	6.6	Not Detect	16.9	Not Detect	14.2	Not Detect	Prkcb	0.87654321	1.04320988	2.15151515	2.5606061
A_55_P2032	831.3	Detected	632.3	Detected	1030.1	Detected	728.6	Detected	Pde3b	0.876458559	1.23914351	1.15230112	1.6291317
A_55_P2004	62.3	Detected	41.2	Detected	62.4	Detected	54.6	Detected	Defa-rs2	0.876404494	1.00160514	1.32524272	1.5145631
A_55_P2150	12812.7	Detected	11120.3	Detected	13554.9	Detected	11228.1	Detected	E030030I06Rik	0.876325833	1.0579269	1.00969398	1.2189329
A_55_P1980	6066	Detected	4022	Detected	4703.7	Detected	5315.7	Detected	Trmt2b	0.876310584	0.77542038	1.32165589	1.1694928
A_52_P1717	7395.1	Detected	6877.3	Detected	9688.4	Detected	6480.1	Detected	2310009B15Rik	0.876269422	1.31011075	0.94224478	1.4087505
A_55_P2167	20.2	Detected	15.5	Not Detect	13.9	Not Detect	17.7	Not Detect	Gjd3	0.876237624	0.68811881	1.14193548	0.8967742
A_52_P2564	1002.8	Detected	974.6	Detected	1207.3	Detected	878.6	Detected	Gm9182	0.876146789	1.203929	0.90149805	1.2387646
A_55_P2030	21.8	Detected	21.2	Detected	19.3	Detected	19.1	Not Detect	Barx2	0.876146789	0.8853211	0.9009434	0.9103774
A_55_P1955	1627.5	Detected	1814.9	Detected	1464	Detected	1425.9	Detected	BC016423	0.876129032	0.89953917	0.78566312	0.806656
A_55_P2149	9155.4	Detected	5963.3	Detected	8285.1	Detected	8021.3	Detected	Ehmt1	0.87612775	0.90494135	1.34511093	1.3893482
A_55_P1990	11.3	Not Detect	17.8	Detected	18.5	Detected	9.9	Not Detect	Ptprc	0.876106195	1.63716814	0.55617978	1.0393258
A_51_P2596	11.3	Not Detect	33.4	Detected	31.9	Detected	9.9	Not Detect	Pinlyp	0.876106195	2.82300885	0.29640719	0.9550898
A_65_P1471	350.3	Detected	327.3	Detected	430.4	Detected	306.9	Detected	Zfp850	0.876106195	1.22866115	0.93767186	1.3150015
A_55_P2132	428.5	Detected	172.5	Detected	661.8	Detected	375.4	Detected	Cacna1g	0.876079347	1.54445741	2.17623188	3.8365217
A_66_P1002	6087.5	Detected	7202.8	Detected	5249.8	Detected	5332.7	Detected	Snhg12	0.876008214	0.86239014	0.74036486	0.7288554
A_55_P2140	25	Detected	26.7	Detected	25.8	Detected	21.9	Not Detect	Vmn1r124	0.876	1.032	0.82022472	0.9662921
A_55_P1981	50.8	Detected	48.8	Detected	40.3	Detected	44.5	Not Detect	Scg5	0.875984252	0.79330709	0.91188525	0.8258197
A_55_P1963	12.9	Not Detect	1315.3	Detected	12.4	Not Detect	11.3	Not Detect	Mef2b	0.875968992	0.96124031	0.0085912	0.0094275
A_65_P0484	97.4	Detected	33.9	Detected	38.4	Detected	85.3	Detected	Vgll3	0.875770021	0.39425051	2.51622419	1.1327434
A_51_P4219	15101.6	Detected	15465.5	Detected	13775.5	Detected	13224.7	Detected	Timm22	0.875715156	0.91218811	0.85510976	0.8907245
A_52_P4006	128.7	Detected	143.6	Detected	179.9	Detected	112.7	Detected	D630032N06Rik	0.875679876	1.3978244	0.78481894	1.2527855
A_55_P2051	19.3	Detected	36.8	Detected	23.8	Detected	16.9	Not Detect	Ccdc171	0.875647668	1.23316062	0.45923913	0.6467391
A_52_P6067	5224.2	Detected	3382.7	Detected	4363.5	Detected	4574	Detected	Stk4	0.875540753	0.8352475	1.3521743	1.2899459
A_55_P2057	25.7	Detected	28.9	Detected	34	Detected	22.5	Not Detect	Mptx1	0.875486381	1.3229572	0.77854671	1.1764706
A_55_P2075	1799.3	Detected	1298.6	Detected	1687.9	Detected	1575.2	Detected	Epc2	0.875451564	0.93808703	1.21299861	1.2997844
A_55_P1969	17865.9	Detected	16877.2	Detected	16499.2	Detected	15640.4	Detected	Sumo2	0.875433088	0.92350231	0.9267177	0.9776029
A_55_P2056	1268	Detected	1628.4	Detected	1052.5	Detected	1110	Detected	Sf3b4	0.875394322	0.83004732	0.6816507	0.64634
A_51_P1313	36.9	Detected	31.9	Detected	36.3	Detected	32.3	Not Detect	Selplg	0.875338753	0.98373984	1.01253918	1.137931
A_55_P2040	372.1	Detected	326.4	Detected	312.4	Detected	325.7	Detected	Btbd9	0.875302338	0.83955926	0.99785539	0.9571078

A_52_P5028	50.5 Detected	39.9 Detected	48.3 Detected	44.2 Not Detect	Mgat5	0.875247525	0.95643564	1.10776942	1.2105263
A_52_P2235	197.1 Detected	149.8 Detected	151.6 Detected	172.5 Detected	6720401G13Rik	0.875190259	0.76915271	1.15153538	1.012016
A_55_P2010	37090.4 Detected	27277.4 Detected	27135.5 Detected	32460.2 Detected	Map7d1	0.875164463	0.7316044	1.19000345	0.9947979
A_55_P2189	2022.4 Detected	1437.5 Detected	1628.5 Detected	1769.9 Detected	5830426C09Rik	0.875148339	0.80523141	1.23123478	1.1328696
A_55_P2311	22.4 Detected	29.9 Detected	12.5 Not Detect	19.6 Not Detect	3110023J12Rik	0.875	0.55803571	0.65551839	0.4180602
A_66_P1174	31.2 Detected	23.2 Detected	23.8 Detected	27.3 Not Detect	Dlk1	0.875	0.76282051	1.17672414	1.0258621
A_55_P2050	1508.2 Detected	1171.3 Detected	1269.4 Detected	1319.6 Detected	Ikbkg	0.874950272	0.84166556	1.12661146	1.0837531
A_51_P1815	11366.9 Detected	9852.3 Detected	9556.7 Detected	9944.1 Detected	Tmem214	0.874829549	0.84074814	1.00931762	0.9699969
A_55_P2051	8012.2 Detected	5298.4 Detected	8588.2 Detected	7009.1 Detected	Tnfrsf1a	0.874803425	1.07189037	1.32287106	1.6209044
A_51_P3688	22948 Detected	18675.5 Detected	26837.4 Detected	20074.8 Detected	H2-Ke2	0.874795189	1.16948754	1.07492704	1.4370378
A_51_P3413	4929.1 Detected	4199.8 Detected	3904.5 Detected	4311.8 Detected	Mtap	0.874764156	0.79213244	1.02666794	0.9296871
A_52_P1161	13880.5 Detected	12534.9 Detected	16554.4 Detected	12142.1 Detected	Aldh2	0.874759555	1.19263715	0.96866349	1.3206647
A_55_P1982	27306.8 Detected	25207.9 Detected	27414.1 Detected	23886.7 Detected	Naa10	0.874752809	1.00392942	0.94758786	1.0875202
A_51_P3366	25181.1 Detected	21978.8 Detected	23356.6 Detected	22026.7 Detected	Srsf9	0.874731445	0.92754486	1.00217937	1.0626877
A_66_P1160	1623.5 Detected	1782.7 Detected	1901.4 Detected	1420 Detected	Ptpn2	0.874653526	1.17117339	0.79654457	1.0665844
A_55_P2068	133073.3 Detected	128444 Detected	144825 Detected	116387.7 Detected	Gm7634	0.874613465	1.08830998	0.90613575	1.1275342
A_55_P2125	8391 Detected	4395.8 Detected	7697.9 Detected	7338.7 Detected	Lrrc58	0.874591825	0.91739959	1.66947996	1.7511943
A_55_P2019	27.1 Detected	30.3 Detected	27.8 Detected	23.7 Not Detect	Deptor	0.874538745	1.02583026	0.78217822	0.9174917
A_51_P4617	2747.8 Detected	2062 Detected	2849.2 Detected	2403 Detected	Zcchc8	0.874517796	1.03690225	1.16537342	1.3817653
A_55_P2189	231.9 Detected	196.9 Detected	299.8 Detected	202.8 Detected	Vwa5b2	0.874514877	1.29279862	1.02996445	1.5226003
A_55_P1979	79782.1 Detected	65542.1 Detected	71629 Detected	69768.5 Detected	Atp6v0c	0.874488137	0.8978079	1.06448374	1.0928701
A_55_P2141	8068.5 Detected	8656.2 Detected	8409.6 Detected	7055.6 Detected	Rnf149	0.874462416	1.04227552	0.81509207	0.9715117
A_55_P2022	12418.4 Detected	9957.9 Detected	9945.4 Detected	10859 Detected	Stim1	0.874428268	0.80086001	1.09049097	0.9987447
A_55_P2149	4801 Detected	3943 Detected	3858.6 Detected	4198 Detected	Tapbp	0.874401166	0.80370756	1.06467157	0.978595
A_55_P2373	359.8 Detected	152.2 Detected	307.5 Detected	314.6 Detected	Dcaf17	0.874374653	0.85464147	2.06701708	2.0203679
A_55_P2014	5166.7 Detected	4443.8 Detected	4663.4 Detected	4517.6 Detected	Amd2	0.874368552	0.90258773	1.01660741	1.0494172
A_52_P1714	3621 Detected	3683.9 Detected	3108.7 Detected	3166 Detected	Bmpr1a	0.874344104	0.85851975	0.85941529	0.8438611
A_52_P3397	10994.1 Detected	9948.6 Detected	11652.3 Detected	9611.8 Detected	Csnk1a1	0.874268926	1.05986847	0.96614599	1.1712502
A_55_P2168	27836.2 Detected	27278.4 Detected	28359.4 Detected	24335.7 Detected	Sf1	0.874246485	1.01879567	0.89212344	1.0396284
A_55_P2081	13235.3 Detected	11600.8 Detected	11067.3 Detected	11570.9 Detected	Phf23	0.874245389	0.83619563	0.99742259	0.9540118
A_51_P2838	9269.4 Detected	7191.5 Detected	9208.3 Detected	8103.3 Detected	Bphl	0.874198977	0.99340842	1.12678857	1.2804422
A_55_P2214	146.9 Detected	99.7 Detected	78.8 Detected	128.4 Detected	E330013P08Rik	0.874063989	0.53641933	1.28786359	0.7903711
A_55_P2136	113.5 Detected	111.5 Detected	87.1 Detected	99.2 Detected	Sbf1	0.874008811	0.76740088	0.8896861	0.7811659
A_55_P2169	52264.4 Detected	43223.6 Detected	40378.6 Detected	45674.9 Detected	Gcn1l1	0.873919915	0.77258325	1.05671207	0.9341795
A_55_P1995	9389.8 Detected	7350.2 Detected	6359.4 Detected	8205.6 Detected	Plekhh2	0.873884428	0.67726682	1.11637779	0.8652009
A_55_P1954	6859.5 Detected	6758.7 Detected	2954.8 Detected	5993.5 Detected	Scarb1	0.873751731	0.43076026	0.88678296	0.4371847
A_55_P1953	369.5 Detected	366.1 Detected	352.4 Detected	322.8 Detected	Brd2	0.873612991	0.95372124	0.8817263	0.9625785
A_51_P1298	47823.6 Detected	50669.6 Detected	49189.7 Detected	41775.4 Detected	Cacybp	0.87353106	1.02856539	0.82446674	0.9707931
A_55_P2168	784.2 Detected	420.1 Detected	864.7 Detected	685 Detected	Gramd4	0.873501658	1.10265238	1.63056415	2.0583194
A_55_P2134	2322.6 Detected	2377 Detected	2029.3 Detected	2028.7 Detected	Papola	0.873460777	0.87371911	0.85347076	0.8537232

A_66_P1332	411.5	Detected	645.3	Detected	333.4	Detected	359.4	Detected	Vcl	0.873390036	0.81020656	0.55695026	0.5166589
A_55_P1999	14283.4	Detected	11280.3	Detected	12413.6	Detected	12474.9	Detected	Gm15455	0.873384488	0.86909279	1.10590144	1.1004672
A_51_P3415	9944.3	Detected	9984.2	Detected	8901.6	Detected	8684.3	Detected	Klhdc2	0.873294249	0.89514596	0.86980429	0.8915687
A_55_P1980	67024.8	Detected	63922.5	Detected	73486.5	Detected	58527.1	Detected	Rsl1d1	0.873215586	1.0964076	0.91559467	1.1496187
A_51_P1709	62211.8	Detected	45562.7	Detected	55990.7	Detected	54323.9	Detected	Hnrnpm	0.873208941	0.90000129	1.19228887	1.2288714
A_51_P4342	29784.3	Detected	35323.2	Detected	50331.5	Detected	26007.9	Detected	Mrpl11	0.873208368	1.68986681	0.7362838	1.4248851
A_55_P2145	410.7	Detected	394.2	Detected	283.6	Detected	358.6	Detected	Cep68	0.873143414	0.69052837	0.90969051	0.7194318
A_55_P2084	117.4	Detected	63.9	Detected	109.9	Detected	102.5	Detected	Trim65	0.873083475	0.93611584	1.60406886	1.7198748
A_55_P2082	816	Detected	603.2	Detected	607.3	Detected	712.4	Detected	Ppt1	0.873039216	0.7442402	1.18103448	1.0067971
A_55_P2005	7912.2	Detected	5723.6	Detected	7533.1	Detected	6907.5	Detected	Manbal	0.873018882	0.95208665	1.20684534	1.3161472
A_52_P2388	3415	Detected	3545.7	Detected	4071.6	Detected	2981.2	Detected	Ppt2	0.872972182	1.1922694	0.84079307	1.1483205
A_55_P2076	532.8	Detected	428.5	Detected	467.4	Detected	465.1	Detected	Synpo	0.872935435	0.87725225	1.08541424	1.0907818
A_55_P2071	173.1	Detected	163.9	Detected	194.4	Detected	151.1	Detected	Cyb561d1	0.872905835	1.12305026	0.9219036	1.1860891
A_51_P3767	23.6	Detected	25.3	Detected	20.1	Detected	20.6	Not Detect	4933402J07Rik	0.872881356	0.85169492	0.81422925	0.7944664
A_55_P2116	247228.8	Detected	227511.8	Detected	228686.4	Detected	215800.9	Detected	Tuba1b	0.872879292	0.92499903	0.94852619	1.0051628
A_55_P2114	2368.5	Detected	2179.6	Detected	1839.4	Detected	2067.3	Detected	Arntl2	0.872830906	0.77660967	0.94847678	0.8439163
A_55_P2025	3530.2	Detected	2801.8	Detected	2568.9	Detected	3081.2	Detected	Ranbp9	0.872811739	0.72769248	1.09972161	0.9168749
A_51_P1514	3144.1	Detected	1994.3	Detected	2902.6	Detected	2744.2	Detected	Ncbp2	0.872809389	0.92318947	1.37602166	1.455448
A_51_P4903	7744	Detected	7154.2	Detected	10683	Detected	6757.2	Detected	1110059E24Rik	0.872572314	1.37951963	0.94450812	1.4932487
A_55_P2097	143.4	Detected	173.5	Detected	88.4	Detected	125.1	Detected	Gm12603	0.872384937	0.61645746	0.72103746	0.5095101
A_55_P2019	105	Detected	68.8	Detected	61.1	Detected	91.6	Detected	Grk6	0.872380952	0.58190476	1.33139535	0.8880814
A_55_P2120	167185.6	Detected	157307.7	Detected	146103.9	Detected	145846.5	Detected	Skint7	0.872362811	0.87390242	0.92714152	0.9287778
A_51_P3085	1893.5	Detected	2137.6	Detected	2213.9	Detected	1651.8	Detected	Ppif	0.872352786	1.16921046	0.77273578	1.0356942
A_55_P2117	94	Detected	105.9	Detected	73.2	Detected	82	Detected	Rabggtb	0.872340426	0.7787234	0.77431539	0.6912181
A_55_P1999	77.5	Detected	127.4	Detected	153.5	Detected	67.6	Detected	AU041133	0.872258065	1.98064516	0.53061224	1.2048666
A_51_P4738	2073.7	Detected	2059.2	Detected	1680.5	Detected	1808.7	Detected	Il6st	0.872209095	0.81038723	0.87835082	0.8160936
A_52_P3078	7938.6	Detected	6445.4	Detected	6962.5	Detected	6923.9	Detected	Pip4k2b	0.872181493	0.87704381	1.07423899	1.0802278
A_51_P1388	2890	Detected	2155.7	Detected	2653.8	Detected	2520.6	Detected	Zgpat	0.872179931	0.9182699	1.16927216	1.2310618
A_51_P2631	2050.6	Detected	1821.8	Detected	1779.3	Detected	1788.4	Detected	Actr1b	0.872134985	0.86769726	0.98166648	0.9766714
A_55_P2097	24312.7	Detected	18448.9	Detected	16096.7	Detected	21203.7	Detected	Bptf	0.872124445	0.66206962	1.14932056	0.8725019
A_66_P1058	1733.6	Detected	1378.7	Detected	1130.9	Detected	1511.9	Detected	Igf1r	0.872115828	0.65234195	1.09661275	0.8202655
A_55_P2119	4970	Detected	4007.4	Detected	4744.9	Detected	4334	Detected	Cd2bp2	0.872032193	0.95470825	1.08149923	1.1840345
A_55_P1967	4149.9	Detected	4970.1	Detected	4081.3	Detected	3618.7	Detected	Srfbp1	0.871996916	0.98346948	0.728094	0.8211706
A_55_P2152	2104.7	Detected	1532.8	Detected	1794	Detected	1835.2	Detected	Mtr	0.871953247	0.85237801	1.19728601	1.1704071
A_51_P4429	1852.6	Detected	1483.2	Detected	1275.2	Detected	1615.3	Detected	Casc5	0.871909748	0.68832991	1.08906419	0.8597627
A_55_P2083	4679.4	Detected	3917.7	Detected	4190.5	Detected	4079.9	Detected	Haus7	0.871885284	0.89552079	1.04140184	1.0696327
A_55_P2009	55.4	Detected	31.8	Detected	40.2	Detected	48.3	Detected	Agrn	0.871841155	0.72563177	1.51886792	1.2641509
A_51_P2696	4339.6	Detected	4603.6	Detected	4124.3	Detected	3783.3	Detected	Pole2	0.871808462	0.95038713	0.82181336	0.8958858
A_55_P1994	14128	Detected	11342.9	Detected	14600.6	Detected	12316	Detected	Wdr5	0.871744054	1.0334513	1.08578935	1.2872017
A_52_P5465	5025.2	Detected	5040.3	Detected	3813	Detected	4380.3	Detected	Pelp1	0.871666799	0.75877577	0.86905541	0.7565026

A_52_P4366	4764.6	Detected	3604.8	Detected	6260.5	Detected	4152.8	Detected	Vegfb	0.871594677	1.3139613	1.15201953	1.7367122
A_55_P2144	270.2	Detected	276.8	Detected	358	Detected	235.5	Detected	Suv420h1	0.87157661	1.32494449	0.8507948	1.2933526
A_55_P1993	43.6	Detected	77.7	Detected	21.7	Detected	38	Not Detect	Adora2b	0.871559633	0.49770642	0.48906049	0.2792793
A_52_P8698	3994.9	Detected	3546.2	Detected	3978.2	Detected	3481.6	Detected	Thoc3	0.871511177	0.99581967	0.98178332	1.1218205
A_55_P2065	1768.9	Detected	1697.1	Detected	1960.2	Detected	1541.5	Detected	Akap8l	0.871445531	1.10814631	0.90831418	1.1550292
A_51_P2495	1244.5	Detected	1171.9	Detected	1288.3	Detected	1084.5	Detected	Rev1	0.871434311	1.03519486	0.92542026	1.0993259
A_51_P1049	69013.6	Detected	54134.8	Detected	90959.5	Detected	60134.1	Detected	Trub2	0.871336954	1.31799384	1.1108215	1.6802408
A_51_P1539	459.9	Detected	278	Detected	317.9	Detected	400.7	Detected	Zfp273	0.871276364	0.69123723	1.44136691	1.1435252
A_55_P1953	189531.5	Detected	173232.7	Detected	166760.7	Detected	165127.6	Detected	Luc7l2	0.871240928	0.87985744	0.95321264	0.9626398
A_66_P1231	4643	Detected	4637.6	Detected	5764	Detected	4044.5	Detected	Mapk1ip1l	0.871096274	1.24143872	0.87211057	1.2428843
A_55_P2054	99061.5	Detected	99401.8	Detected	92296.2	Detected	86291.8	Detected	Hspa4	0.87109321	0.93170606	0.86811104	0.9285164
A_52_P2808	4182.4	Detected	4281.4	Detected	4780.3	Detected	3643.1	Detected	Wdr33	0.871054897	1.1429562	0.85091325	1.1165273
A_55_P2046	676.8	Detected	459.2	Detected	732.8	Detected	589.5	Detected	Hes1	0.871010638	1.08274232	1.28375436	1.5958188
A_55_P1989	55679.6	Detected	38235	Detected	59387.6	Detected	48484.5	Detected	Romo1	0.87077673	1.06659531	1.26806591	1.5532261
A_55_P2035	11.6	Not Detect	7	Not Detect	18.2	Detected	10.1	Not Detect	Ccdc12l	0.870689655	1.56896552	1.44285714	2.6
A_55_P2019	4891.1	Detected	4484.7	Detected	5665.9	Detected	4258.6	Detected	Lancl1	0.870683486	1.15841017	0.94958414	1.2633844
A_52_P1241	61.8	Detected	19.3	Detected	43.6	Detected	53.8	Detected	Zdhc8	0.870550162	0.70550162	2.78756477	2.2590674
A_55_P2180	44.8	Detected	41.2	Detected	38.3	Detected	39	Not Detect	Gsdma3	0.870535714	0.85491071	0.94660194	0.9296117
A_51_P2351	47638.8	Detected	46605.4	Detected	42984.8	Detected	41465.1	Detected	Zc3h11a	0.870406056	0.90230652	0.88970591	0.9223137
A_55_P2287	89.5	Detected	81.7	Detected	117.7	Detected	77.9	Detected	Rragd	0.870391061	1.3150838	0.95348837	1.4406365
A_55_P2123	68.6	Detected	56.7	Detected	94.7	Detected	59.7	Detected	Prr5l	0.870262391	1.38046647	1.05291005	1.670194
A_55_P1957	13.1	Not Detect	23.9	Detected	20.4	Detected	11.4	Not Detect	She	0.870229008	1.55725191	0.47698745	0.8535565
A_55_P2056	47842.9	Detected	43650.2	Detected	45926.7	Detected	41631.9	Detected	Anxa3	0.870179274	0.95994808	0.95376195	1.0521533
A_51_P1851	9050.8	Detected	6352.2	Detected	9483	Detected	7875.6	Detected	Gpr108	0.870155124	1.04775268	1.23982242	1.4928686
A_51_P2967	3176.2	Detected	3072	Detected	3080.8	Detected	2763.7	Detected	Nt5dc2	0.870127826	0.96996411	0.89964193	1.0028646
A_55_P1990	25712.2	Detected	24495.1	Detected	22723.5	Detected	22370.1	Detected	Ddx5	0.870018902	0.88376335	0.91324796	0.9276753
A_51_P3037	6324.9	Detected	5168.5	Detected	6182	Detected	5502.2	Detected	Depdc1b	0.869926797	0.97740676	1.06456419	1.1960917
A_55_P2230	161.3	Detected	99.4	Detected	95.5	Detected	140.3	Detected	Ece1	0.869807812	0.59206448	1.41146881	0.9607646
A_52_P4090	6578.1	Detected	5118	Detected	6685.3	Detected	5721	Detected	Dcaf8	0.869704018	1.0162965	1.11781946	1.3062329
A_55_P2148	124.3	Detected	99.3	Detected	74.9	Detected	108.1	Detected	Paqr6	0.869670153	0.60257442	1.08862034	0.75428
A_51_P1943	9217.6	Detected	5687.4	Detected	7484.8	Detected	8016.1	Detected	Pcbp4	0.869651536	0.8120118	1.40944896	1.3160319
A_52_P6029	451.6	Detected	373.7	Detected	453.6	Detected	392.7	Detected	Cdip1	0.869574845	1.0044287	1.05084292	1.2138079
A_52_P1931	676.2	Detected	588.4	Detected	851.4	Detected	588	Detected	Slc35d2	0.869565217	1.25909494	0.99932019	1.4469748
A_55_P2050	42.9	Detected	29.6	Detected	47.1	Detected	37.3	Not Detect	P2rx3	0.869463869	1.0979021	1.26013514	1.5912162
A_51_P4193	1131.8	Detected	1094.8	Detected	878.5	Detected	984	Detected	Bmpr2	0.869411557	0.77619721	0.8987943	0.8024297
A_55_P2106	54451.4	Detected	43919.5	Detected	50278.3	Detected	47339.2	Detected	Knstrn	0.869384442	0.92336102	1.07786291	1.1447831
A_55_P2158	11393.1	Detected	11109.7	Detected	11455.3	Detected	9904.4	Detected	Ddx31	0.869333193	1.00545944	0.89150922	1.031108
A_52_P4267	30.6	Detected	75.2	Detected	156.9	Detected	26.6	Not Detect	Cited4	0.869281046	5.12745098	0.3537234	2.0864362
A_55_P2097	607.4	Detected	555.6	Detected	568.6	Detected	528	Detected	Patz1	0.869278894	0.93612117	0.95032397	1.0233981
A_51_P3021	3463.6	Detected	1895.1	Detected	2948.6	Detected	3010.6	Detected	Mastl	0.869211225	0.85131077	1.58862329	1.5559073

A_55_P1978	62093.9	Detected	61352.4	Detected	68149.2	Detected	53964.5	Detected	Mrps7	0.869078927	1.09751844	0.87958254	1.110783
A_55_P1972	2709	Detected	3033.6	Detected	1899.3	Detected	2354.2	Detected	Pmm1	0.869029162	0.70110742	0.77604167	0.6260878
A_55_P2179	25580.3	Detected	22256.2	Detected	26415.2	Detected	22228.5	Detected	Vash1	0.86896948	1.0326384	0.9987554	1.1868693
A_52_P7586	100.7	Detected	95.4	Detected	66.8	Detected	87.5	Detected	Akap10	0.868917577	0.6633565	0.91719078	0.7002096
A_55_P2071	38.9	Detected	28.2	Detected	26.5	Detected	33.8	Not Detect	Mrgprb1	0.868894602	0.68123393	1.19858156	0.9397163
A_66_P1172	81.6	Detected	61.8	Detected	55.9	Detected	70.9	Detected	A630012P03Rik	0.868872549	0.68504902	1.14724919	0.9045307
A_55_P2008	8405.3	Detected	11509	Detected	6437.1	Detected	7302.9	Detected	Ktn1	0.868844658	0.76583822	0.63453819	0.5593101
A_51_P1455	24419.2	Detected	18322.3	Detected	24656	Detected	21216.4	Detected	Rnf14	0.868840912	1.00969729	1.15795506	1.3456826
A_55_P1970	16079	Detected	15607.4	Detected	17575.6	Detected	13969.8	Detected	Mrps10	0.868822688	1.09307793	0.89507541	1.1261068
A_55_P2144	115.8	Detected	86.6	Detected	83.2	Detected	100.6	Detected	Gm11123	0.868739206	0.71848014	1.16166282	0.960739
A_51_P1699	18334.9	Detected	18343.5	Detected	13728.6	Detected	15927.8	Detected	Noc2l	0.868714855	0.74876874	0.86830757	0.7484177
A_51_P2402	147	Detected	109.3	Detected	168.3	Detected	127.7	Detected	Fam199x	0.868707483	1.14489796	1.16834401	1.5397987
A_65_P0977	565	Detected	558.5	Detected	491.9	Detected	490.8	Detected	Thada	0.868672566	0.87061947	0.87878245	0.880752
A_55_P1999	4116.4	Detected	3291.7	Detected	4114.1	Detected	3575.7	Detected	Smad2	0.868647362	0.99944126	1.08627761	1.2498405
A_52_P1019	9667.6	Detected	7394.1	Detected	8034.3	Detected	8397.4	Detected	Tmem129	0.868612686	0.83105424	1.13568927	1.0865825
A_55_P1967	216.8	Detected	205.1	Detected	203	Detected	188.3	Detected	Trim39	0.868542435	0.93634686	0.91808874	0.9897611
A_66_P1150	588.4	Detected	593	Detected	577.3	Detected	511	Detected	Gpn1	0.868456832	0.98113528	0.86172007	0.9735245
A_55_P1991	12016.3	Detected	9354.8	Detected	11501.8	Detected	10435.5	Detected	Csrp2bp	0.868445362	0.95718316	1.11552358	1.2295078
A_52_P2364	15.2	Detected	20.2	Detected	11.2	Not Detect	13.2	Not Detect	Ngfr	0.868421053	0.73684211	0.65346535	0.5544554
A_55_P2016	5447.9	Detected	3518.4	Detected	4728.6	Detected	4730.9	Detected	Sdccag3	0.868389655	0.86796747	1.34461687	1.3439632
A_55_P1977	259.8	Detected	178.7	Detected	279.9	Detected	225.6	Detected	Zbtb9	0.868360277	1.07736721	1.26245104	1.5663123
A_52_P5198	12631.9	Detected	12038.6	Detected	13644.1	Detected	10967.6	Detected	Etf1	0.868246265	1.08013046	0.91103617	1.1333627
A_55_P2140	6591.4	Detected	6697.7	Detected	6239.2	Detected	5722.4	Detected	Smek2	0.868161544	0.94656674	0.85438285	0.9315437
A_55_P2114	86.4	Detected	64.8	Detected	61.2	Detected	75	Detected	Pnpla8	0.868055556	0.70833333	1.15740741	0.9444444
A_55_P2141	34.1	Detected	25.2	Detected	41.4	Detected	29.6	Not Detect	Zfp874b	0.868035191	1.21407625	1.17460317	1.6428571
A_51_P3449	21377.8	Detected	21118.1	Detected	28097.5	Detected	18555.5	Detected	Rab1b	0.867979867	1.31433075	0.87865386	1.3304937
A_55_P2010	398.3	Detected	380.5	Detected	209.9	Detected	345.7	Detected	Jak3	0.86793874	0.52698971	0.90854139	0.5516426
A_55_P2410	328.6	Detected	297.7	Detected	382	Detected	285.2	Detected	9130230N09Rik	0.867924528	1.16250761	0.95801142	1.283171
A_55_P2311	10.6	Not Detect	11.5	Not Detect	19.1	Detected	9.2	Not Detect	2410012E07Rik	0.867924528	1.80188679	0.8	1.6608696
A_55_P2167	10.6	Not Detect	32.2	Detected	3.3	Not Detect	9.2	Not Detect	4921504E06Rik	0.867924528	0.31132075	0.28571429	0.1024845
A_51_P2214	5073.5	Detected	5666.3	Detected	5103	Detected	4403.2	Detected	Nsun5	0.867882133	1.00581453	0.77708558	0.9005877
A_52_P2934	81.7	Detected	12.7	Not Detect	76.8	Detected	70.9	Detected	Tshz2	0.867809058	0.94002448	5.58267717	6.0472441
A_55_P2048	12.1	Not Detect	18.8	Detected	9.2	Not Detect	10.5	Not Detect	Hbb-bh2	0.867768595	0.76033058	0.55851064	0.4893617
A_52_P2892	5166.4	Detected	3891.1	Detected	4478.6	Detected	4482.4	Detected	Notch2	0.86760607	0.86687055	1.15196217	1.1509856
A_55_P1970	192.5	Detected	149.9	Detected	135.7	Detected	167	Detected	Heatr5b	0.867532468	0.70493506	1.11407605	0.9052702
A_55_P2254	282.3	Detected	236.1	Detected	314.1	Detected	244.9	Detected	Ints2	0.867516826	1.11264612	1.03727234	1.3303685
A_55_P2009	24146.8	Detected	17756.9	Detected	20738.7	Detected	20947.7	Detected	Agrn	0.867514536	0.85885914	1.17969353	1.1679235
A_55_P1994	135234.1	Detected	128946.6	Detected	120831.3	Detected	117297.4	Detected	Itsn1	0.867365554	0.89349728	0.90965873	0.9370646
A_55_P2073	6355	Detected	3799.6	Detected	7802.4	Detected	5511	Detected	Trex1	0.867191188	1.22775767	1.45041583	2.0534793
A_55_P2016	115.2	Detected	112.9	Detected	89.9	Detected	99.9	Detected	Slc30a2	0.8671875	0.78038194	0.88485385	0.7962799

A_55_P2121	3842.6	Detected	3017	Detected	3800	Detected	3332.1	Detected	Dgcr2	0.867147244	0.98891376	1.1044415	1.2595293
A_55_P2162	74937.9	Detected	61357.3	Detected	78403.6	Detected	64979	Detected	Lman2	0.867104629	1.04624763	1.05902639	1.2778202
A_52_P3782	565.6	Detected	441.7	Detected	467	Detected	490.4	Detected	Lca5	0.867043847	0.82567185	1.11025583	1.0572787
A_51_P1254	2703.5	Detected	2668	Detected	2138.6	Detected	2343.5	Detected	Lzic	0.866839282	0.79104864	0.87837331	0.8015742
A_52_P8589	1197.7	Detected	910.2	Detected	1160.7	Detected	1038.2	Detected	Cant1	0.866828087	0.96910746	1.14062843	1.2752142
A_55_P2059	42.8	Detected	52.7	Detected	18.6	Detected	37.1	Not Detect	Hnrnp3	0.866822243	0.43457944	0.70398482	0.3529412
A_51_P5098	858.1	Detected	686.4	Detected	801.2	Detected	743.8	Detected	Fnbp4	0.866798741	0.93369071	1.08362471	1.1672494
A_55_P2042	2465.1	Detected	1517.9	Detected	6175.5	Detected	2136.7	Detected	C1s	0.866780252	2.5051722	1.40766849	4.0684498
A_55_P2018	34889.3	Detected	26237.1	Detected	34684.9	Detected	30241	Detected	Spns1	0.866770041	0.99414147	1.15260452	1.3219792
A_55_P2150	7695.3	Detected	7858.5	Detected	6969	Detected	6670	Detected	Mul1	0.866762829	0.90561771	0.84876249	0.8868105
A_55_P2067	1572.6	Detected	1245.5	Detected	1271.9	Detected	1363	Detected	Gm5136	0.866717538	0.80878799	1.09433962	1.0211963
A_51_P4066	19674.8	Detected	16179.1	Detected	16293	Detected	17051.7	Detected	Rfc1	0.866677171	0.82811515	1.05393378	1.0070399
A_55_P2002	2595.1	Detected	1369.4	Detected	4613.6	Detected	2248.9	Detected	Ephx1	0.866594736	1.77781203	1.64225208	3.3690667
A_55_P1994	265.2	Detected	209.1	Detected	209.8	Detected	229.8	Detected	Tmem184a	0.866515837	0.79110106	1.0989957	1.0033477
A_55_P2117	109590.9	Detected	105983.3	Detected	97810.8	Detected	94957	Detected	Pak4	0.866467928	0.89250841	0.89596191	0.9228888
A_55_P2063	55094.1	Detected	40000.5	Detected	55632.2	Detected	47730.4	Detected	Ube2l3	0.86634322	1.00976693	1.19324508	1.3907876
A_51_P3733	83950.3	Detected	66474.6	Detected	85130.1	Detected	72727.4	Detected	Csnk2b	0.866314951	1.01405355	1.094063	1.280641
A_55_P2102	74164.8	Detected	65363	Detected	71849.7	Detected	64243	Detected	Rpl36a	0.866219554	0.96878438	0.98286492	1.0992412
A_55_P2026	20442.4	Detected	18139	Detected	19736.5	Detected	17705.1	Detected	Asnsd1	0.866096936	0.96546883	0.97607917	1.0880699
A_55_P1986	4151.9	Detected	4920.7	Detected	3921.6	Detected	3595.9	Detected	Senp3	0.866085407	0.94453142	0.73077001	0.7969598
A_52_P6188	589.9	Detected	648.4	Detected	605.4	Detected	510.8	Detected	Crk	0.865909476	1.02627564	0.78778532	0.9336829
A_55_P1975	6104.7	Detected	5327	Detected	4129.9	Detected	5285.8	Detected	Dhx40	0.865857454	0.67651154	0.99226582	0.7752769
A_55_P2037	1500.6	Detected	1254	Detected	1353.7	Detected	1299.3	Detected	Lrrc57	0.865853659	0.90210582	1.0361244	1.0795056
A_55_P2016	2353.2	Detected	2602.1	Detected	2132.8	Detected	2037.5	Detected	Cdk1	0.865842257	0.9063403	0.78302141	0.8196457
A_55_P2055	2965.8	Detected	2311.8	Detected	2567.9	Detected	2567.8	Detected	Abcf1	0.865803493	0.86583721	1.11073622	1.1107795
A_51_P2327	2897.2	Detected	2180.2	Detected	2190.5	Detected	2508.3	Detected	Commdd9	0.865766947	0.75607483	1.15049078	1.0047243
A_55_P2156	151529.8	Detected	136480	Detected	133172.1	Detected	131187.3	Detected	Sumo2	0.865752479	0.87885089	0.96121996	0.9757627
A_52_P5777	1817.9	Detected	1264.7	Detected	1468.6	Detected	1573.7	Detected	Rnf169	0.865669179	0.80785522	1.24432672	1.161224
A_55_P1972	363488	Detected	316755.5	Detected	360633.2	Detected	314629	Detected	Rps28	0.865582908	0.9921461	0.99328662	1.1385223
A_51_P1047	15706.1	Detected	14010.6	Detected	18416.4	Detected	13594.4	Detected	Gtf2h4	0.865549054	1.17256353	0.97029392	1.3144619
A_55_P2062	78308	Detected	64653.8	Detected	73555.8	Detected	67768	Detected	Dbndd2	0.865403279	0.93931399	1.04816732	1.1376872
A_52_P1407	8101.6	Detected	5062.2	Detected	7259.2	Detected	7011	Detected	Hspa13	0.865384615	0.89602054	1.38497096	1.434001
A_51_P1357	1646.1	Detected	890	Detected	1178.2	Detected	1424.4	Detected	Ccdc136	0.865318024	0.71575238	1.60044944	1.3238202
A_55_P2027	349975.2	Detected	308940.8	Detected	347230.7	Detected	302839.7	Detected	Rps28	0.8653176	0.99215802	0.98025156	1.1239393
A_55_P2025	3379.3	Detected	3000.5	Detected	2212.3	Detected	2924.1	Detected	Sms	0.865297547	0.65466221	0.97453758	0.7373104
A_55_P1968	5985.6	Detected	4590.6	Detected	5532.5	Detected	5178.8	Detected	Telo2	0.865209837	0.92430166	1.1281314	1.2051802
A_66_P1362	13577.4	Detected	11258.8	Detected	8747.9	Detected	11747.3	Detected	Rai14	0.865209834	0.64429861	1.04338828	0.7769833
A_55_P1957	17020.6	Detected	17157.2	Detected	16315	Detected	14726.3	Detected	Timm10	0.865204517	0.95854435	0.85831604	0.9509127
A_55_P2088	534.8	Detected	69.1	Detected	641.3	Detected	462.7	Detected	Fbln1	0.865183246	1.19913987	6.69609262	9.2807525
A_52_P6326	743	Detected	580.4	Detected	744	Detected	642.8	Detected	Zfp395	0.865141319	1.0013459	1.10751206	1.2818746

A_55_P1984	13436.6	Detected	13529.3	Detected	14115	Detected	11624.4	Detected	Ube2f	0.865129571	1.05048896	0.85920188	1.0432912
A_52_P3926	14881.9	Detected	11232.1	Detected	11127.5	Detected	12874.2	Detected	Acot9	0.865091151	0.74772039	1.14619706	0.9906874
A_51_P1730	19782.6	Detected	14836.7	Detected	20480	Detected	17113.1	Detected	Nsmce1	0.865058182	1.0352532	1.15343035	1.3803609
A_51_P1415	7547.8	Detected	6281.5	Detected	8171.4	Detected	6528.4	Detected	Sap130	0.864940777	1.0826201	1.0393059	1.3008676
A_55_P2180	157.7	Detected	79.5	Detected	69	Detected	136.4	Detected	Dmr1c2	0.864933418	0.43753963	1.71572327	0.8679245
A_55_P1998	9030.1	Detected	9079.3	Detected	7448.1	Detected	7810.1	Detected	Ppfbp1	0.864896291	0.82480814	0.86020949	0.8203386
A_55_P2169	13926.9	Detected	11855	Detected	19345.4	Detected	12044.7	Detected	Ndfip1	0.864851474	1.3890672	1.01600169	1.6318347
A_52_P6466	418.7	Detected	278.1	Detected	419.9	Detected	362.1	Detected	9030624J02Rik	0.86481968	1.00286601	1.30204962	1.5098885
A_55_P2028	2570.9	Detected	1565.4	Detected	2822.9	Detected	2223.3	Detected	Rhbdf2	0.86479443	1.09802015	1.42027597	1.8033091
A_52_P1102	1690.7	Detected	1561.8	Detected	1302.7	Detected	1462	Detected	Phf12	0.864730585	0.77050926	0.93609937	0.8341017
A_55_P2131	24737.1	Detected	22035.1	Detected	25449.6	Detected	21390.6	Detected	Vash1	0.864717368	1.02880289	0.97075121	1.1549573
A_55_P1969	12790.6	Detected	9928	Detected	9528.5	Detected	11059.8	Detected	Stim1	0.864681876	0.74496114	1.11400081	0.9597603
A_55_P2202	22.9	Detected	20.2	Detected	11.1	Not Detect	19.8	Not Detect	A930004J17Rik	0.864628821	0.48471616	0.98019802	0.549505
A_51_P3061	68.7	Detected	53.4	Detected	77.4	Detected	59.4	Detected	Elmo1	0.864628821	1.12663755	1.11235955	1.4494382
A_55_P2258	9.6	Not Detect	21.9	Detected	3	Not Detect	8.3	Not Detect	1700042O10Rik	0.864583333	0.3125	0.37899543	0.1369863
A_52_P1746	1276.5	Detected	1245.9	Detected	1439.7	Detected	1103.5	Detected	Gatc	0.864473169	1.12784959	0.88570511	1.1555502
A_55_P1980	25.8	Detected	20.7	Detected	19.7	Detected	22.3	Not Detect	Grin3a	0.864341085	0.76356589	1.07729469	0.9516908
A_65_P0944	32931	Detected	25470	Detected	34639.5	Detected	28463.6	Detected	Psma4	0.864340591	1.05188121	1.11753435	1.3600118
A_52_P3703	12014.6	Detected	9325.1	Detected	11620.5	Detected	10384.2	Detected	Plbd2	0.864298437	0.96719824	1.11357519	1.2461529
A_66_P1265	521.5	Detected	345.3	Detected	358.5	Detected	450.7	Detected	Prr14l	0.864237776	0.68744008	1.30524182	1.0382276
A_55_P2024	3708.8	Detected	2512.6	Detected	4413	Detected	3204.7	Detected	Map4k3	0.864080026	1.18987274	1.27545172	1.756348
A_55_P1996	1231.4	Detected	1022.4	Detected	1222.7	Detected	1064	Detected	Rbm14	0.864057171	0.99293487	1.04068858	1.1959116
A_66_P1260	1710.5	Detected	1471.8	Detected	1706.4	Detected	1477.9	Detected	Rpl39	0.864016369	0.99760304	1.00414458	1.1593967
A_55_P2083	654.4	Detected	504.4	Detected	1072.4	Detected	565.4	Detected	E230025N22Rik	0.863997555	1.63875306	1.12093577	2.1260904
A_55_P2119	256.5	Detected	224.5	Detected	251.2	Detected	221.6	Detected	1700066M21Rik	0.863937622	0.97933723	0.98708241	1.118931
A_55_P2088	116.1	Detected	104.3	Detected	116.1	Detected	100.3	Detected	Ap3s1	0.863910422	1	0.96164909	1.1131352
A_55_P2087	2654.7	Detected	1611.3	Detected	1997.6	Detected	2293.1	Detected	Ncoa2	0.863788752	0.75247674	1.4231366	1.2397443
A_55_P2100	126.9	Detected	108.9	Detected	65.3	Detected	109.6	Detected	Tcp11l1	0.863672183	0.51457841	1.00642792	0.5996327
A_55_P2163	2228	Detected	1623.3	Detected	1147.6	Detected	1924.2	Detected	Med14	0.863644524	0.51508079	1.18536315	0.706955
A_52_P2738	22	Detected	16.1	Not Detect	10.4	Not Detect	19	Not Detect	Ifitm5	0.863636364	0.47272727	1.18012422	0.6459627
A_51_P3994	19.8	Detected	17.4	Detected	8.6	Not Detect	17.1	Not Detect	Catsperg2	0.863636364	0.43434343	0.98275862	0.4942529
A_55_P2126	33	Detected	31.3	Detected	25.7	Detected	28.5	Not Detect	Iqck	0.863636364	0.77878788	0.91054313	0.8210863
A_51_P1562	794.7	Detected	635.3	Detected	744.6	Detected	686.3	Detected	Eps15	0.863596326	0.93695734	1.08027703	1.1720447
A_51_P5168	1970.5	Detected	1815.7	Detected	2161.5	Detected	1701.6	Detected	Rbbp5	0.863537173	1.09692971	0.93715922	1.19045
A_65_P0965	3672.6	Detected	3190.9	Detected	3549	Detected	3170.8	Detected	Zfp213	0.863366552	0.96634537	0.99370084	1.1122254
A_51_P3859	888.5	Detected	782.2	Detected	933.7	Detected	767	Detected	Man2a2	0.863252673	1.05087226	0.98056763	1.1936845
A_55_P1994	2753.3	Detected	2571.6	Detected	2651.2	Detected	2376.5	Detected	Sap30bp	0.863146043	0.96291723	0.92413284	1.0309535
A_55_P1996	3183.3	Detected	934.6	Detected	325.3	Detected	2747.3	Detected	Gm3142	0.863035215	0.10218955	2.93954633	0.3480633
A_55_P1971	15607.9	Detected	14644.2	Detected	18995.8	Detected	13470.1	Detected	Vcpkmt	0.863030901	1.21706315	0.91982491	1.2971552
A_52_P5337	272.3	Detected	211.4	Detected	202.3	Detected	235	Detected	Ino80	0.863018729	0.74293059	1.11163671	0.9569536

A_55_P1981	4021.1	Detected	3231.1	Detected	3097.2	Detected	3470.1	Detected	Slc35c2	0.862972818	0.770237	1.07396862	0.958559
A_55_P2095	1054.8	Detected	984.8	Detected	1138.4	Detected	910.2	Detected	Ppp1r16a	0.8629124	1.07925673	0.92424858	1.1559708
A_51_P1166	22275.8	Detected	18410.2	Detected	22356.3	Detected	19221.7	Detected	Rbm14	0.862896058	1.00361379	1.04407883	1.2143431
A_52_P6552	1050.5	Detected	981.2	Detected	370.9	Detected	906.3	Detected	Zfp462	0.862732032	0.35306997	0.92366649	0.3780065
A_66_P1351	514	Detected	371.3	Detected	349.3	Detected	443.4	Detected	Trak2	0.862645914	0.67957198	1.1941826	0.9407487
A_55_P2110	18.2	Detected	13.7	Not Detect	29.1	Detected	15.7	Not Detect	Hcrt	0.862637363	1.5989011	1.1459854	2.1240876
A_55_P2075	3057.5	Detected	2585.4	Detected	2255.1	Detected	2637.5	Detected	Ttll7	0.86263287	0.73756337	1.02015162	0.8722441
A_55_P2138	3622.2	Detected	4049	Detected	4132.4	Detected	3124.6	Detected	Xpo4	0.862624924	1.14085362	0.77169672	1.0205977
A_55_P2472	52.4	Detected	48.3	Detected	42.8	Detected	45.2	Detected	A530032D15Rik	0.86259542	0.81679389	0.93581781	0.8861284
A_55_P2128	4871.5	Detected	3788.1	Detected	4842.1	Detected	4201.9	Detected	Ccnb1	0.86254747	0.9939649	1.10923682	1.2782398
A_51_P3954	1345.3	Detected	365.2	Detected	1631.3	Detected	1160.3	Detected	Tenc1	0.862484204	1.21259199	3.1771632	4.4668675
A_51_P2123	351.1	Detected	825.9	Detected	222	Detected	302.8	Detected	Klk10	0.862432355	0.63229849	0.36663034	0.2687977
A_55_P1995	30409.4	Detected	22907.4	Detected	30444.6	Detected	26225.8	Detected	Rexo4	0.862424119	1.00115754	1.14486149	1.329029
A_52_P2431	667	Detected	573.1	Detected	495	Detected	575.2	Detected	Kctd3	0.862368816	0.74212894	1.00366428	0.8637236
A_52_P2380	6138.5	Detected	5366.4	Detected	5198.8	Detected	5293.6	Detected	Psmc3ip	0.862360512	0.846917	0.98643411	0.9687686
A_55_P1977	159.1	Detected	143.8	Detected	118	Detected	137.2	Detected	Folr4	0.862350723	0.7416719	0.95410292	0.8205841
A_52_P7592	901.5	Detected	947.3	Detected	1055.4	Detected	777.4	Detected	Gm6787	0.862340544	1.17071547	0.82064816	1.1141138
A_51_P4798	176.5	Detected	124.2	Detected	144.9	Detected	152.2	Detected	Glb1l	0.862322946	0.82096317	1.22544283	1.1666667
A_55_P2138	981.9	Detected	873.2	Detected	1020.8	Detected	846.5	Detected	Ndufaf5	0.862104084	1.03961707	0.96942281	1.1690334
A_55_P2027	364.5	Detected	243	Detected	423.8	Detected	314.2	Detected	BC052040	0.862002743	1.16268861	1.29300412	1.7440329
A_52_P5834	3537.2	Detected	2962	Detected	2654.4	Detected	3049	Detected	E2f3	0.861981228	0.75042406	1.02937205	0.8961512
A_55_P2446	73.9	Detected	88	Detected	47.1	Detected	63.7	Detected	Tmem245	0.861975643	0.63734777	0.72386364	0.5352273
A_55_P1974	54894.6	Detected	54167.8	Detected	48845.1	Detected	47315.7	Detected	Plekhg3	0.86193724	0.8897979	0.87350234	0.9017368
A_51_P3567	62131.6	Detected	45600.8	Detected	59403.5	Detected	53552.1	Detected	Mcm4	0.861914066	0.95609159	1.17436755	1.3026855
A_51_P1921	2255	Detected	1305.2	Detected	1664.1	Detected	1943.6	Detected	Slc9a6	0.861906874	0.73796009	1.48912044	1.274977
A_51_P3288	21	Detected	22	Detected	18.4	Detected	18.1	Not Detect	Olf100	0.861904762	0.87619048	0.82272727	0.8363636
A_52_P3704	13214.4	Detected	9773.5	Detected	12611.3	Detected	11388.1	Detected	Msl1	0.861794709	0.95436039	1.16520182	1.2903566
A_55_P2113	1472.8	Detected	935.1	Detected	1406.9	Detected	1269.2	Detected	Mospd2	0.861759913	0.9552553	1.35728799	1.504545
A_55_P2452	795.3	Detected	849.5	Detected	698	Detected	685.2	Detected	N4bp2	0.861561675	0.87765623	0.80659211	0.8216598
A_55_P1985	2807.4	Detected	2305	Detected	2879.5	Detected	2418.7	Detected	Lmcd1	0.86154449	1.02568213	1.04932755	1.2492408
A_51_P2467	4729.1	Detected	4723.5	Detected	3944.4	Detected	4074.3	Detected	Nop14	0.861538136	0.83406991	0.86255954	0.8350587
A_55_P2081	381.3	Detected	279.4	Detected	274.9	Detected	328.5	Detected	Mdm4	0.861526357	0.72095463	1.17573372	0.9838941
A_55_P1979	4737.2	Detected	3494.4	Detected	3589.2	Detected	4080.9	Detected	Syne2	0.861458245	0.75766275	1.16783997	1.0271291
A_55_P2022	12570.4	Detected	8790	Detected	10355.2	Detected	10827.4	Detected	Csnk2a1	0.861340928	0.82377649	1.23178612	1.178066
A_52_P4329	380	Detected	1958.2	Detected	52.8	Detected	327.3	Detected	Pcdh19	0.861315789	0.13894737	0.16714329	0.0269635
A_51_P1039	647.5	Detected	539.8	Detected	633.6	Detected	557.7	Detected	Met	0.861312741	0.97853282	1.03316043	1.1737681
A_55_P2070	644.4	Detected	560.8	Detected	550.6	Detected	555	Detected	Zfyve9	0.861266294	0.85443824	0.98965763	0.9818117
A_52_P6363	1562.3	Detected	1447.7	Detected	1603.8	Detected	1345.5	Detected	Wipi2	0.861230237	1.0265634	0.92940526	1.1078262
A_51_P2088	777.5	Detected	611.8	Detected	1203.2	Detected	669.6	Detected	Zdhhc24	0.861221865	1.54752412	1.09447532	1.9666558
A_52_P2495	2715.9	Detected	2695.6	Detected	2567.7	Detected	2338.9	Detected	Cnot11	0.86118782	0.94543245	0.86767325	0.9525523

A_51_P3895	31847	Detected	29527.7	Detected	33404.3	Detected	27425.9	Detected	Prmt1	0.861176877	1.04889943	0.92881938	1.1312869
A_52_P6788	21.6	Detected	15.6	Detected	19.6	Detected	18.6	Not Detect	Ctsm	0.861111111	0.90740741	1.19230769	1.2564103
A_51_P3004	2592.9	Detected	1772.4	Detected	1199.8	Detected	2232.7	Detected	Dst	0.861082186	0.46272513	1.25970436	0.6769352
A_55_P2326	3016.7	Detected	2675.9	Detected	2630.3	Detected	2597.5	Detected	9330175M20Rik	0.86104021	0.87191302	0.97070145	0.982959
A_55_P2035	144746.5	Detected	145527.3	Detected	141422.6	Detected	124626.4	Detected	Psmb6	0.860997675	0.97703641	0.85637815	0.9717943
A_52_P5639	12162.8	Detected	11531.7	Detected	9004.2	Detected	10471.6	Detected	Clhc1	0.86095307	0.74030651	0.9080708	0.7808216
A_55_P2009	42967.2	Detected	28376	Detected	48381.1	Detected	36991.1	Detected	2010015L04Rik	0.860914837	1.12600076	1.30360516	1.7050007
A_66_P1393	4213.1	Detected	3177	Detected	3464.6	Detected	3627.1	Detected	Psmd10	0.860910019	0.82233984	1.14167454	1.0905257
A_52_P1457	2580.3	Detected	1955.9	Detected	1863.6	Detected	2221.4	Detected	Vcpip1	0.860907646	0.7222416	1.13574314	0.9528094
A_55_P2139	62658.2	Detected	55935.5	Detected	61324.5	Detected	53942.3	Detected	Mrps18b	0.860897696	0.97871468	0.9643661	1.0963431
A_52_P4186	13899.2	Detected	10929.6	Detected	9315.3	Detected	11965.5	Detected	Ttpal	0.860876885	0.67020404	1.09477931	0.8523002
A_55_P2184	2786.9	Detected	2317.4	Detected	2139.4	Detected	2399.1	Detected	Tmem185b	0.860848972	0.76766299	1.03525503	0.9231898
A_55_P1971	4286.3	Detected	3288.3	Detected	3878.1	Detected	3689.7	Detected	Mbd1	0.860812356	0.90476635	1.12206915	1.1793632
A_55_P2182	3573.1	Detected	2635.2	Detected	3571.7	Detected	3075.7	Detected	B4galt7	0.860793149	0.99960818	1.16715999	1.355381
A_55_P1957	25182.5	Detected	25312.7	Detected	25434.2	Detected	21675.1	Detected	Timm10	0.860720739	1.00999504	0.85629348	1.0048
A_55_P1969	350.8	Detected	347.2	Detected	275.1	Detected	301.9	Detected	Tmem68	0.860604333	0.78420753	0.86952765	0.7923387
A_55_P2066	862.2	Detected	597.2	Detected	1000.1	Detected	742	Detected	Hexim2	0.86058919	1.15993969	1.24246484	1.6746484
A_66_P1119	1735.4	Detected	828.9	Detected	1348.5	Detected	1493.4	Detected	Brwd3	0.860550882	0.77705428	1.80166486	1.6268549
A_55_P2149	14857.7	Detected	12092.6	Detected	14351.1	Detected	12785.8	Detected	Mff	0.860550422	0.9659032	1.05732431	1.1867671
A_66_P1301	1220.1	Detected	1065.6	Detected	1208.2	Detected	1049.9	Detected	Rab23	0.860503237	0.9902467	0.98526652	1.1338213
A_55_P1964	17.2	Detected	16.1	Not Detect	20.6	Detected	14.8	Not Detect	Kctd14	0.860465116	1.19767442	0.91925466	1.2795031
A_55_P1975	34328.2	Detected	29928.7	Detected	28286.3	Detected	29537.2	Detected	Nasp	0.860435444	0.82399601	0.98691891	0.9451229
A_55_P2072	40.1	Detected	30.3	Detected	24	Detected	34.5	Not Detect	Chic1	0.860349127	0.59850374	1.13861386	0.7920792
A_65_P1945	3012.2	Detected	1990.9	Detected	2046.6	Detected	2591.2	Detected	Rock2	0.860235044	0.67943696	1.30152192	1.0279773
A_51_P1683	722.9	Detected	491.7	Detected	956.4	Detected	621.8	Detected	Ttc30a1	0.860146632	1.32300456	1.26459223	1.9450885
A_55_P1992	16224.2	Detected	14539.3	Detected	10720.9	Detected	13955	Detected	Ptpf	0.86013486	0.66079683	0.95981237	0.7373739
A_55_P1987	5361.1	Detected	4891.7	Detected	5290.2	Detected	4610.5	Detected	Ywhaz	0.85999142	0.9867751	0.94251487	1.0814645
A_52_P3682	585.5	Detected	590.3	Detected	501.6	Detected	503.5	Detected	Bcl7c	0.859948762	0.85670367	0.85295612	0.8497374
A_55_P2200	20.7	Detected	23.4	Detected	20.7	Detected	17.8	Not Detect	4933407G14Rik	0.859903382	1	0.76068376	0.8846154
A_55_P2105	16.4	Detected	18.8	Detected	5.9	Not Detect	14.1	Not Detect	Defb47	0.859756098	0.3597561	0.75	0.3138298
A_51_P4552	5888.8	Detected	4845.1	Detected	5670	Detected	5062.9	Detected	Rrp36	0.859750713	0.96284472	1.04495263	1.1702545
A_55_P2205	503.3	Detected	352.1	Detected	477.3	Detected	432.7	Detected	Hnf1b	0.85972581	0.94834095	1.22891224	1.3555808
A_65_P1253	22994	Detected	21036.1	Detected	21919.9	Detected	19767.1	Detected	Naa10	0.85966339	0.95328781	0.93967513	1.0420135
A_55_P2012	22.8	Detected	24.8	Detected	16.7	Detected	19.6	Not Detect	Gm101	0.859649123	0.73245614	0.79032258	0.6733871
A_51_P4280	791.9	Detected	691.7	Detected	444.1	Detected	680.7	Detected	Sptbn1	0.85957823	0.56080313	0.98409715	0.6420413
A_55_P2108	118908.1	Detected	78472.4	Detected	121923.8	Detected	102206.4	Detected	A430078G23Rik	0.859541108	1.0253616	1.30245029	1.5537157
A_55_P1953	42	Detected	28.5	Detected	15.9	Not Detect	36.1	Not Detect	Gm11033	0.85952381	0.37857143	1.26666667	0.5578947
A_51_P4419	5538.8	Detected	5487.2	Detected	5606.7	Detected	4759.8	Detected	Pip5k1a	0.859355817	1.01225897	0.86743694	1.021778
A_55_P2034	56519.2	Detected	57832	Detected	44973.3	Detected	48564.6	Detected	Erdr1	0.859258447	0.79571721	0.83975308	0.7776542
A_51_P5182	77775.5	Detected	72050.2	Detected	68686.3	Detected	66823	Detected	Rnf187	0.859178019	0.88313543	0.92745058	0.9533117

A_55_P2062	223.6	Detected	197.2	Detected	206.7	Detected	192.1	Detected	Mettl8	0.859123435	0.9244186	0.97413793	1.0481744	
A_55_P2123	58.2	Detected	45.1	Detected	35.2	Detected	50	Not Detect	Map3k10	0.859106529	0.604811	1.10864745	0.7804878	
A_52_P4846	1087.8	Detected	1028.7	Detected	1049	Detected	934.5	Detected	Zfp451	0.859073359	0.96433168	0.90842811	1.0197336	
A_55_P1992	16631.8	Detected	14532	Detected	15334.5	Detected	14286.9	Detected	Gm8457	0.859011051	0.92199882	0.98313377	1.055223	
A_55_P2028	15.6	Detected	12.8	Not Detect	13.3	Not Detect	13.4	Not Detect	C87499	0.858974359	0.8525641	1.046875	1.0390625	
A_55_P1999	11616.3	Detected	10473.7	Detected	10314	Detected	9978	Detected	Gbp1	0.858965419	0.88789029	0.95267193	0.9847523	
A_55_P2028	7956.8	Detected	6163.3	Detected	9009	Detected	6834.1	Detected	Ptplb	0.858900563	1.13223909	1.1088378	1.4617169	
A_51_P2495	4311.3	Detected	3629.8	Detected	4972.9	Detected	3702.7	Detected	Wdr24	0.858836082	1.15345719	1.02008375	1.3700204	
A_55_P2033	265666.1	Detected	238580.8	Detected	256365.1	Detected	228142.8	Detected	Rps23	0.858757666	0.96498989	0.95624962	1.074542	
A_55_P1999	36.1	Detected	28.8	Detected	25.3	Detected	31	Not Detect	Vmn1r217	0.858725762	0.70083102	1.07638889	0.8784722	
A_55_P1992	2661.3	Detected	2311.7	Detected	2863.4	Detected	2285.2	Detected	Hdac3	0.85867809	1.07594033	0.98853657	1.2386555	
A_55_P2166	698.3	Detected	697.6	Detected	566.9	Detected	599.6	Detected	Zfx	0.858656738	0.81182873	0.85951835	0.8126433	
A_51_P2521	86.3	Detected	72.4	Detected	78.3	Detected	74.1	Detected	Sla2	0.858632677	0.90730012	1.02348066	1.0814917	
A_51_P1481	17442	Detected	14150.2	Detected	18961.5	Detected	14975.7	Detected	Klhdc3	0.858599931	1.0871173	1.0583384	1.3400164	
A_55_P2141	304.1	Detected	238.6	Detected	211.2	Detected	261.1	Detected	Dock7	0.858599145	0.69450839	1.09430008	0.8851635	
A_52_P6762	220729.9	Detected	199623.8	Detected	204883.7	Detected	189517.7	Detected	Tuba4a	0.858595505	0.92821	0.94937427	1.0263491	
A_55_P1966	15856.8	Detected	18542.4	Detected	13786.6	Detected	13612	Detected	Epn2	0.858432975	0.86944402	0.7341013	0.7435176	
A_55_P2132	166.7	Detected	116.8	Detected	109.1	Detected	143.1	Detected	Rsf1	0.858428314	0.65446911	1.22517123	0.9340753	
A_51_P4479	13182.7	Detected	9797.2	Detected	9653.1	Detected	11316	Detected	Atp6ap1	0.858397749	0.73225515	1.15502388	0.9852917	
A_55_P2084	302.2	Detected	276.2	Detected	199.3	Detected	259.4	Detected	Rbm12b2	0.858371939	0.65949702	0.93917451	0.7215786	
A_52_P4561	699.6	Detected	591.8	Detected	722.3	Detected	600.5	Detected	Orc4	0.858347627	1.03244711	1.01470091	1.2205137	
A_55_P2109	5544.7	Detected	3600.2	Detected	4859.4	Detected	4759.1	Detected	Gba2	0.858315148	0.87640449	1.32189878	1.3497583	
A_55_P2026	11941.5	Detected	9274.3	Detected	11460.7	Detected	10249.5	Detected	Unc50	0.858309258	0.95973705	1.10515079	1.2357483	
A_55_P2184	12.7	Not Detect	15.6	Not Detect	28.4	Detected	10.9	Not Detect	Atp1a4	0.858267717	2.23622047	0.69871795	1.8205128	
A_55_P2163	12.7	Not Detect	42.2	Detected	5.5	Not Detect	10.9	Not Detect	Uox	0.858267717	0.43307087	0.25829384	0.1303318	
A_55_P2043	36765.6	Detected	37030.1	Detected	27424.7	Detected	31552.4	Detected	Exosc9	0.858204408	0.7459337	0.85207439	0.7406056	
A_51_P1524	3927.9	Detected	4412.2	Detected	3059.1	Detected	3370.8	Detected	Ikbip	0.858168487	0.77881311	0.76397262	0.6933276	
A_55_P2072	89044	Detected	83637.4	Detected	80024.3	Detected	76397.9	Detected		3-Sep	0.857979201	0.89870513	0.91344183	0.9568004
A_51_P1340	112602.1	Detected	114857.7	Detected	104802.3	Detected	96604.1	Detected	Ncl	0.857924497	0.93073131	0.84107639	0.9124534	
A_55_P2040	44057.5	Detected	36593.6	Detected	49677	Detected	37795.7	Detected	Rnaset2a	0.857872099	1.12754923	1.03285001	1.3575325	
A_55_P2391	609.3	Detected	464.1	Detected	384.5	Detected	522.7	Detected	Cep128	0.857869687	0.63105203	1.12626589	0.8284852	
A_51_P1653	111538.3	Detected	97860	Detected	102090.6	Detected	95681	Detected	Mrpl33	0.857830898	0.91529636	0.9777335	1.0432311	
A_51_P2863	25822.9	Detected	24726.9	Detected	21773.9	Detected	22150.6	Detected	Ttll12	0.857789017	0.84320119	0.89580983	0.8805754	
A_55_P2172	2324.6	Detected	1855.5	Detected	1880.3	Detected	1993.8	Detected	Pds5a	0.857695948	0.80887034	1.07453517	1.0133657	
A_55_P2297	53.4	Detected	54.1	Detected	47.4	Detected	45.8	Detected	C85181	0.857677903	0.88764045	0.84658041	0.8761553	
A_55_P2018	6076.7	Detected	4614.3	Detected	4538.1	Detected	5211.6	Detected	Fmr1	0.857636546	0.74680336	1.12944542	0.9834861	
A_55_P2088	47860.9	Detected	43718.5	Detected	52315.2	Detected	41047.1	Detected	Usp14	0.857633266	1.09306762	0.93889543	1.1966376	
A_55_P2029	43738.1	Detected	38419.2	Detected	44916.6	Detected	37509.2	Detected	LOC101055813	0.857586406	1.02694447	0.97631393	1.1691186	
A_51_P4405	4425.1	Detected	3973.8	Detected	4135.4	Detected	3794.4	Detected	Stk19	0.857472148	0.93453255	0.9548543	1.0406664	
A_51_P4294	7868.2	Detected	5067.3	Detected	7601.7	Detected	6746	Detected	Fam188a	0.857375257	0.96612948	1.33128096	1.500148	

A_55_P2020	140.9	Detected	106.8	Detected	77	Detected	120.8	Detected	Camk1g	0.857345635	0.54648687	1.13108614	0.7209738
A_52_P5184	230.6	Detected	178.1	Detected	241.9	Detected	197.7	Detected	Hmbox1	0.857328708	1.0490026	1.11005053	1.3582257
A_55_P2179	89017.9	Detected	58280	Detected	90909.6	Detected	76314.7	Detected	Wdr31	0.857296117	1.02125078	1.30944921	1.5598765
A_55_P2131	303.4	Detected	301.8	Detected	361.8	Detected	260.1	Detected	Gm5878	0.857284113	1.19248517	0.86182903	1.1988072
A_55_P2120	3344.4	Detected	4172.9	Detected	3837	Detected	2867.1	Detected	Wdr12	0.857283818	1.14729099	0.68707613	0.9195044
A_55_P2013	32571.3	Detected	24752.6	Detected	27973	Detected	27919.2	Detected	Bak1	0.857171805	0.85882357	1.12793	1.1301035
A_55_P2165	8097.8	Detected	5497.4	Detected	7974.6	Detected	6941.2	Detected	Gemin7	0.857171084	0.98478599	1.26263324	1.450613
A_55_P2014	11.9	Not Detect	51	Detected	4.2	Not Detect	10.2	Not Detect	Tcl1b4	0.857142857	0.35294118	0.2	0.0823529
A_55_P1964	6895.1	Detected	5904.8	Detected	6798.2	Detected	5909.9	Detected	Timm8a1	0.857115923	0.98594654	1.0008637	1.1513006
A_55_P2072	326.1	Detected	424.6	Detected	262.1	Detected	279.5	Detected	Gmps	0.857099049	0.80374118	0.6582666	0.6172869
A_51_P5114	6668.7	Detected	3612.2	Detected	5163.8	Detected	5715.1	Detected	Ift57	0.857003614	0.77433383	1.58216599	1.4295443
A_55_P2135	127264.8	Detected	115388.8	Detected	107696.9	Detected	109065.7	Detected	Ms4a4c	0.856998164	0.84624264	0.94520179	0.9333393
A_51_P2549	10663.8	Detected	7218.8	Detected	3340.3	Detected	9138.5	Detected	Serf1	0.856964684	0.31323731	1.26593063	0.4627223
A_55_P2037	16204.2	Detected	12242.1	Detected	13667.5	Detected	13886.1	Detected	Pja1	0.856944496	0.84345417	1.13429069	1.1164343
A_66_P1342	2270	Detected	2028	Detected	1560	Detected	1945.2	Detected	Uba1y	0.8569163	0.68722467	0.9591716	0.7692308
A_55_P2058	12133.3	Detected	8755.4	Detected	10660.3	Detected	10397	Detected	Otud5	0.856897959	0.87859857	1.18749572	1.2175686
A_55_P2128	15369.6	Detected	10766.1	Detected	11835.6	Detected	13169.1	Detected	Nckap1	0.856827764	0.77006558	1.2232006	1.0993396
A_55_P2063	99952.5	Detected	94691.3	Detected	90060.3	Detected	85642	Detected	Ogfod1	0.856826993	0.90103099	0.90443367	0.9510937
A_51_P1961	2975.7	Detected	2398	Detected	2566.1	Detected	2549.6	Detected	Btd	0.856806802	0.86235172	1.06321935	1.0701001
A_55_P2088	5415.5	Detected	3440.2	Detected	5395.8	Detected	4639.8	Detected	BC094435	0.856762995	0.99636229	1.34870066	1.5684553
A_52_P1078	7494.6	Detected	10425.6	Detected	9674	Detected	6420.8	Detected	Lman1	0.856723508	1.29079604	0.61586863	0.9279082
A_55_P2047	67.7	Detected	44.5	Detected	50.5	Detected	58	Detected	Lcn6	0.856720827	0.74593796	1.30337079	1.1348315
A_55_P1967	3639.7	Detected	2049	Detected	3393.3	Detected	3118.1	Detected	Lactb	0.856691486	0.93230211	1.52176672	1.6560761
A_55_P1958	35522.9	Detected	36641.4	Detected	33626.7	Detected	30428.5	Detected	Brd2	0.856588285	0.94662035	0.83044043	0.9177242
A_55_P2171	146596.7	Detected	97443.9	Detected	143961	Detected	125558.1	Detected	Hmgn1	0.856486538	0.98202074	1.28851678	1.4773731
A_55_P2096	4340.9	Detected	3269.7	Detected	2733.3	Detected	3717.9	Detected	Icmt	0.856481375	0.62966205	1.1370768	0.8359483
A_52_P8917	14171.4	Detected	8661.5	Detected	7513.2	Detected	12136.8	Detected	Cdr2l	0.856429146	0.53016639	1.40123535	0.8674248
A_52_P2404	6521.9	Detected	4641	Detected	7666.4	Detected	5585.2	Detected	Polr3k	0.856376209	1.17548567	1.20344753	1.6518854
A_55_P2150	35.5	Detected	22.6	Detected	52.3	Detected	30.4	Not Detect	Mmp28	0.856338028	1.47323944	1.34513274	2.3141593
A_55_P2011	8586.9	Detected	7784.5	Detected	7238.4	Detected	7353	Detected	Tmprss3	0.856304371	0.84295846	0.94456934	0.9298478
A_55_P1998	16536.4	Detected	14437.9	Detected	11912.9	Detected	14158.8	Detected	Sms	0.856220217	0.72040468	0.98066893	0.8251131
A_55_P2153	2364	Detected	1939.5	Detected	1719.7	Detected	2023.8	Detected	Prnp	0.856091371	0.72745347	1.04346481	0.8866718
A_51_P4825	8724.6	Detected	10245.7	Detected	8939.4	Detected	7468	Detected	Tpd52l1	0.855970474	1.02462004	0.72889114	0.8725026
A_55_P2068	21398.1	Detected	18246.8	Detected	18364	Detected	18315.5	Detected	Gm11412	0.855940481	0.85820704	1.00376504	1.006423
A_55_P2338	11.8	Not Detect	21.7	Detected	21.3	Detected	10.1	Not Detect	1700020G03Rik	0.855932203	1.80508475	0.46543779	0.9815668
A_52_P3059	1368.9	Detected	1835.8	Detected	829.5	Detected	1171.6	Detected	Ammecr1	0.855869676	0.60596099	0.63819588	0.4518466
A_55_P2133	1289.8	Detected	1289.4	Detected	1021.5	Detected	1103.9	Detected	Snhg5	0.855869127	0.79198325	0.85613464	0.7922289
A_51_P4833	6143.3	Detected	4851.2	Detected	5663.3	Detected	5257.8	Detected	Txndc5	0.855859229	0.9218661	1.08381431	1.1674019
A_55_P2070	11.1	Not Detect	17.1	Detected	14.4	Not Detect	9.5	Not Detect	Olfir692	0.855855856	1.2972973	0.55555556	0.8421053
A_55_P2182	11.1	Not Detect	28.7	Detected	14	Not Detect	9.5	Not Detect	2310047D07Rik	0.855855856	1.26126126	0.33101045	0.4878049

A_55_P2169	328.8	Detected	271.1	Detected	388.4	Detected	281.4	Detected	Usf1	0.855839416	1.18126521	1.03799336	1.4326817
A_51_P3754	3011.2	Detected	3491.1	Detected	4184.4	Detected	2577.1	Detected	Rprd1a	0.855838204	1.38961211	0.7381914	1.1985907
A_55_P2075	2630.1	Detected	2448.2	Detected	2291.5	Detected	2250.9	Detected	Atp8a1	0.855822973	0.87125965	0.91941018	0.9359938
A_51_P2391	10195	Detected	9267.8	Detected	12013	Detected	8723.9	Detected	Zfp35	0.855703776	1.17832271	0.94131293	1.2962084
A_51_P3829	6826.7	Detected	7007.5	Detected	6112.8	Detected	5840.9	Detected	Cstf3	0.855596408	0.89542532	0.83352123	0.8723225
A_66_P1044	2610.8	Detected	2479.3	Detected	2740.4	Detected	2233.4	Detected	Polg2	0.855446606	1.04963996	0.90081878	1.105312
A_52_P4286	207.2	Detected	126.2	Detected	143.9	Detected	177.2	Detected	Usp49	0.855212355	0.69449807	1.40412044	1.1402536
A_55_P2074	35.9	Detected	35.8	Detected	5.9	Not Detect	30.7	Not Detect	Hoxc4	0.855153203	0.1643454	0.8575419	0.1648045
A_51_P1253	10443.1	Detected	10944.1	Detected	12045	Detected	8929.6	Detected	Hars	0.85507177	1.15339315	0.81592822	1.100593
A_55_P1956	41748.8	Detected	29140.9	Detected	30551.2	Detected	35693.8	Detected	Tln1	0.854965891	0.7317863	1.22486951	1.0483959
A_51_P2035	16808.2	Detected	13158.3	Detected	15358.7	Detected	14370.3	Detected	Vars	0.854957699	0.91376233	1.09210916	1.1672252
A_55_P2399	89.5	Detected	87.8	Detected	113.3	Detected	76.5	Detected	4930402F11Rik	0.854748603	1.26592179	0.87129841	1.2904328
A_66_P1329	57.8	Detected	60.8	Detected	42.2	Detected	49.4	Detected	Ccdc15	0.85467128	0.73010381	0.8125	0.6940789
A_55_P2124	70.1	Detected	72.4	Detected	43.4	Detected	59.9	Detected	Vsig8	0.854493581	0.61911555	0.82734807	0.5994475
A_55_P1977	5795	Detected	5007.3	Detected	4790.8	Detected	4951.6	Detected	Fam110a	0.854460742	0.82671268	0.98887624	0.9567631
A_51_P1746	18255.1	Detected	18116	Detected	15209.1	Detected	15596.1	Detected	Bzw2	0.854342074	0.83314252	0.86090197	0.8395396
A_51_P1594	2594.3	Detected	1818.1	Detected	2431.6	Detected	2216.2	Detected	Sin3a	0.85425741	0.93728559	1.21896485	1.3374402
A_55_P2130	3257.7	Detected	2691	Detected	2245.5	Detected	2782.7	Detected	Tpr	0.854191608	0.68928999	1.03407655	0.8344482
A_52_P4284	16930.8	Detected	15666.1	Detected	15395.2	Detected	14461.8	Detected	Tsn	0.854171096	0.90930139	0.92312701	0.9827079
A_55_P2089	11593.4	Detected	9561.6	Detected	9606.3	Detected	9902.4	Detected	9830147E19Rik	0.854141149	0.82860076	1.03564257	1.0046749
A_55_P2162	74	Detected	54.9	Detected	42.1	Detected	63.2	Detected	Asic4	0.854054054	0.56891892	1.15118397	0.7668488
A_55_P1963	1938.9	Detected	1438.5	Detected	2140.4	Detected	1655.9	Detected	Cenpq	0.854040951	1.10392491	1.15112965	1.4879388
A_51_P1546	47465	Detected	41647.1	Detected	41626.4	Detected	40534.2	Detected	Alyref	0.853980828	0.87699147	0.97327785	0.999503
A_55_P2089	175.9	Detected	155.2	Detected	118.9	Detected	150.2	Detected	Cd6	0.853894258	0.67595225	0.96778351	0.7661082
A_52_P3372	102.6	Detected	94.5	Detected	78	Detected	87.6	Detected	B230340J04Rik	0.85380117	0.76023392	0.92698413	0.8253968
A_51_P2885	632.5	Detected	566.2	Detected	511.9	Detected	540	Detected	Jmjd7	0.853754941	0.80932806	0.9537266	0.9040975
A_55_P1952	116223	Detected	114862	Detected	105123.8	Detected	99222.2	Detected	Psma3	0.853722585	0.90450083	0.86383835	0.9152183
A_66_P1156	60.8	Detected	37.8	Detected	46.8	Detected	51.9	Detected	Tmem72	0.853618421	0.76973684	1.37301587	1.2380952
A_52_P5411	2832.2	Detected	1474.2	Detected	2695.7	Detected	2417.6	Detected	Marveld1	0.853612033	0.95180425	1.63994031	1.828585
A_51_P2920	1875.5	Detected	1465.8	Detected	1955.1	Detected	1600.9	Detected	Tbl1xr1	0.85358571	1.04244202	1.0921681	1.3338109
A_52_P5570	32.1	Detected	24.4	Detected	28.8	Detected	27.4	Not Detect	Olfir536	0.853582555	0.89719626	1.12295082	1.1803279
A_55_P1997	13601.1	Detected	11210.9	Detected	12407.6	Detected	11609.6	Detected	Slc9a8	0.853578019	0.91224974	1.0355636	1.1067443
A_51_P3490	186.3	Detected	243.5	Detected	476.4	Detected	159	Detected	Pacrg	0.853462158	2.55716586	0.65297741	1.9564682
A_55_P2181	11.6	Not Detect	20.8	Detected	11.8	Not Detect	9.9	Not Detect	Ecel1	0.853448276	1.01724138	0.47596154	0.5673077
A_51_P2866	4193.1	Detected	2774.8	Detected	3156.7	Detected	3578.4	Detected	Rbl1	0.853402018	0.75283203	1.28960646	1.1376315
A_55_P2320	1559.2	Detected	1335.5	Detected	1691.7	Detected	1330.6	Detected	4833415N18Rik	0.853386352	1.08497948	0.99633096	1.2667166
A_51_P1660	577	Detected	450.7	Detected	300.5	Detected	492.4	Detected	Hip1	0.853379549	0.52079723	1.09252274	0.6667406
A_55_P2016	26350.2	Detected	22557.9	Detected	23380.7	Detected	22486.7	Detected	Uggt1	0.853378722	0.88730636	0.99684368	1.036475
A_55_P2035	1329.1	Detected	791.1	Detected	1020.4	Detected	1134.2	Detected	Gyk	0.853359416	0.76773757	1.43369991	1.2898496
A_55_P2020	712.8	Detected	660	Detected	732.9	Detected	608.1	Detected	Iscu	0.853114478	1.02819865	0.92136364	1.1104545

A_55_P2007	30190.1	Detected	22337.3	Detected	28549.6	Detected	25754.1	Detected	Tspan4	0.853064415	0.94566099	1.15296388	1.2781133
A_55_P2024	1370	Detected	1456.7	Detected	1657.8	Detected	1168.5	Detected	Fam35a	0.852919708	1.21007299	0.80215556	1.1380518
A_66_P1199	67.3	Detected	56.9	Detected	56.7	Detected	57.4	Detected	Glec4a1	0.852897474	0.84249629	1.00878735	0.9964851
A_66_P1150	4895.8	Detected	4288.9	Detected	3890.1	Detected	4175.2	Detected	Smc6	0.852812615	0.79457903	0.97348971	0.9070158
A_55_P2127	10145.7	Detected	9561.6	Detected	8728.2	Detected	8651.7	Detected	Nup54	0.852745498	0.86028564	0.9048381	0.9128389
A_55_P2049	10749.7	Detected	9008.1	Detected	8867.3	Detected	9166.6	Detected	Map3k7	0.852730774	0.82488814	1.01759528	0.9843696
A_51_P3962	4695.8	Detected	3985.2	Detected	2975.7	Detected	4004.1	Detected	Nras	0.852698156	0.63369394	1.00474255	0.7466877
A_52_P5486	564.1	Detected	441.6	Detected	557.3	Detected	481	Detected	Pik3c2a	0.852685694	0.9879454	1.08922101	1.2620018
A_55_P1969	1258.1	Detected	847.7	Detected	1049.9	Detected	1072.5	Detected	Zfp146	0.852475956	0.83451236	1.26518816	1.2385278
A_51_P2881	12.2	Not Detect	10.3	Not Detect	19	Detected	10.4	Not Detect	Fpr2	0.852459016	1.55737705	1.00970874	1.8446602
A_55_P2015	57.6	Detected	58.7	Detected	52.6	Detected	49.1	Not Detect	9930111J21Rik1	0.852430556	0.91319444	0.83645656	0.8960818
A_55_P2014	1273.9	Detected	944.1	Detected	959.9	Detected	1085.8	Detected	Zfp341	0.852343198	0.75351283	1.15009003	1.0167355
A_52_P1314	2603.1	Detected	2156.9	Detected	2676.4	Detected	2218.7	Detected	Atg4b	0.852329914	1.02815873	1.02865223	1.2408549
A_55_P2036	91.4	Detected	63.7	Detected	91.8	Detected	77.9	Detected	Klhl10	0.852297593	1.00437637	1.22291994	1.4411303
A_55_P2067	23997.1	Detected	20254.2	Detected	23255.4	Detected	20451.8	Detected	Cplx2	0.852261315	0.9690921	1.009756	1.1481767
A_52_P7733	549.5	Detected	413	Detected	611.9	Detected	468.2	Detected	Ireb2	0.852047316	1.11355778	1.13365617	1.4815981
A_51_P4967	34295.8	Detected	36630.4	Detected	34386.7	Detected	29219.1	Detected	Nop58	0.851973128	1.00265047	0.79767352	0.9387476
A_52_P3933	1522.8	Detected	1012.1	Detected	1501.6	Detected	1297.3	Detected	Fbxw2	0.85191752	0.98607828	1.28179034	1.4836479
A_52_P1572	611.7	Detected	436.8	Detected	514.9	Detected	521.1	Detected	Aqr	0.85188818	0.84175249	1.19299451	1.1788004
A_52_P3276	24.3	Detected	15.7	Not Detect	14.4	Not Detect	20.7	Not Detect	Gbp5	0.851851852	0.59259259	1.31847134	0.9171975
A_51_P3012	8390.5	Detected	7333.1	Detected	7951.1	Detected	7146.7	Detected	Knop1	0.85176092	0.94763125	0.97458101	1.0842754
A_55_P2092	1869.1	Detected	1405.9	Detected	1738.9	Detected	1592	Detected	Ermard	0.85174683	0.93034081	1.13237072	1.236859
A_55_P2151	23.6	Detected	12.2	Not Detect	10.2	Not Detect	20.1	Not Detect	Traf6	0.851694915	0.43220339	1.64754098	0.8360656
A_51_P2155	5344.4	Detected	4940.8	Detected	4819.4	Detected	4551.3	Detected	Rnf4	0.851601677	0.90176633	0.92116661	0.9754291
A_66_P1068	56096.8	Detected	52093.9	Detected	59603.1	Detected	47770.3	Detected	Mrps18b	0.851569073	1.06250446	0.91700372	1.1441474
A_55_P1978	80.1	Detected	260.1	Detected	3.6	Not Detect	68.2	Detected	Sybu	0.851435705	0.04494382	0.26220684	0.0138408
A_55_P2019	19084.9	Detected	11818.4	Detected	20137.7	Detected	16248.9	Detected	Tnks1bp1	0.851400846	1.05516403	1.37488154	1.7039278
A_51_P1553	4919.7	Detected	4043.1	Detected	5118.1	Detected	4188.1	Detected	Rbfa	0.851291745	1.04032766	1.03586357	1.2658851
A_66_P1221	7642.1	Detected	4521.8	Detected	5629.6	Detected	6505.2	Detected	Mkl2	0.851231991	0.73665615	1.43863063	1.2449909
A_55_P2026	9395.5	Detected	8645.7	Detected	5939.9	Detected	7997.4	Detected	Trim32	0.851194721	0.63220691	0.92501475	0.6870352
A_55_P2058	1557.3	Detected	1749	Detected	1243.7	Detected	1325.5	Detected	Tmem206	0.851152636	0.79862583	0.75786164	0.7110921
A_55_P2048	324.3	Detected	289.8	Detected	395.5	Detected	276	Detected	Suv420h1	0.85106383	1.2195498	0.95238095	1.3647343
A_52_P6388	8385	Detected	4001.3	Detected	8534	Detected	7136.1	Detected	Vegfa	0.851055456	1.01776983	1.78344538	2.1328068
A_51_P2007	7083.1	Detected	6335.5	Detected	6475.7	Detected	6027.1	Detected	Grsf1	0.850912736	0.91424659	0.95132192	1.0221293
A_55_P1959	604.2	Detected	487.1	Detected	439	Detected	514.1	Detected	Lrrfip1	0.850877193	0.7265806	1.0554301	0.9012523
A_55_P1978	11626.8	Detected	11680	Detected	10542.1	Detected	9890.8	Detected	Ttc1	0.850689786	0.90670692	0.84681507	0.9025771
A_52_P5220	1142.3	Detected	1485.9	Detected	1002.3	Detected	971.6	Detected	Alkbh1	0.85056465	0.87744025	0.6538798	0.6745407
A_55_P1994	91	Detected	91.8	Detected	108.2	Detected	77.4	Detected	Zbtb42	0.850549451	1.18901099	0.84313725	1.1786492
A_51_P4264	6596.7	Detected	6699.7	Detected	6748.4	Detected	5610.7	Detected	Ube2d2a	0.850531326	1.02299635	0.83745541	1.007269
A_55_P2027	55060.4	Detected	65070.5	Detected	58987.9	Detected	46827.1	Detected	Cdc34	0.85046785	1.07133076	0.71963639	0.9065229

A_55_P2032	372.4 Detected	333.7 Detected	411.5 Detected	316.7 Detected	B230307C23Rik	0.850429646	1.10499463	0.94905604	1.2331435
A_55_P2011	38.1 Detected	25.4 Detected	13.5 Not Detect	32.4 Not Detect	Neur11b	0.850393701	0.35433071	1.27559055	0.5314961
A_65_P1145	2441.7 Detected	2935.4 Detected	2249.7 Detected	2076.4 Detected	Pphln1	0.850391121	0.92136626	0.70736527	0.7664032
A_55_P2110	20378.3 Detected	19111.8 Detected	23953.6 Detected	17328.7 Detected	Bloc1s1	0.850350618	1.17544643	0.90670162	1.2533409
A_52_P5203	16.7 Detected	11 Not Detect	11.4 Not Detect	14.2 Not Detect	A130023I24Rik	0.850299401	0.68263473	1.29090909	1.0363636
A_55_P2062	6258.3 Detected	2481.4 Detected	12118.6 Detected	5321 Detected	Gstm1	0.850230893	1.93640445	2.14435399	4.8837753
A_52_P5031	373.2 Detected	364.3 Detected	405.6 Detected	317.3 Detected	Zfp957	0.850214362	1.08681672	0.87098545	1.1133681
A_52_P5749	130.8 Detected	83.9 Detected	265.8 Detected	111.2 Detected	1500026H17Rik	0.850152905	2.03211009	1.32538737	3.1680572
A_55_P2166	2075.3 Detected	1466.7 Detected	2219.6 Detected	1764.2 Detected	Strbp	0.850093962	1.06953212	1.2028363	1.5133292
A_52_P1315	10058.2 Detected	13660.3 Detected	7665.2 Detected	8549.8 Detected	Ajuba	0.850032809	0.76208467	0.62588669	0.5611297
A_51_P2476	20 Detected	23.5 Detected	11 Not Detect	17 Not Detect	Gpr97	0.85	0.55	0.72340426	0.4680851
A_55_P2386	8739.3 Detected	5830 Detected	7563 Detected	7428.1 Detected	Cep63	0.8499651	0.86540112	1.27411664	1.2972556
A_66_P1407	320049.4 Detected	296104.1 Detected	333702.7 Detected	272009.8 Detected	Rps10	0.849899422	1.04265998	0.91862896	1.1269776
A_65_P0917	2855 Detected	2819.2 Detected	2460.2 Detected	2426.3 Detected	Strn3	0.849842382	0.86171629	0.86063422	0.8726589
A_55_P1984	53211.1 Detected	50533.7 Detected	50391.4 Detected	45220.6 Detected	Ppp1r14b	0.849833963	0.94700918	0.89486026	0.9971841
A_51_P4036	4007.4 Detected	3768.3 Detected	2796.3 Detected	3405.6 Detected	Smad7	0.849827819	0.6977841	0.9037497	0.7420588
A_55_P2116	241.7 Detected	155.2 Detected	200.9 Detected	205.4 Detected	Myof	0.849813819	0.8311957	1.32345361	1.2944588
A_55_P1967	46992.8 Detected	46432 Detected	39269.5 Detected	39925 Detected	Ppp1r3b	0.849598236	0.83564929	0.85985958	0.8457422
A_52_P5304	254.6 Detected	182.2 Detected	227.7 Detected	216.3 Detected	Mbtps2	0.84956795	0.89434407	1.18715697	1.2497256
A_55_P2081	171810.3 Detected	145919.4 Detected	159148.3 Detected	145962.4 Detected	Rps4x	0.849555585	0.92630244	1.00029468	1.090659
A_55_P2006	31895.6 Detected	29246.3 Detected	31374.3 Detected	27084.4 Detected	Eif4e2	0.849157878	0.98365605	0.92607954	1.0727613
A_52_P5830	28.5 Detected	34.8 Detected	30.1 Detected	24.2 Not Detect	Gpatch11	0.849122807	1.05614035	0.6954023	0.8649425
A_55_P2168	2093.8 Detected	1360.7 Detected	1171 Detected	1777.8 Detected	Azi1	0.849078231	0.55927023	1.3065334	0.8605865
A_52_P2865	738.4 Detected	1232.5 Detected	975.7 Detected	626.9 Detected	Pvrl1	0.848997833	1.32137053	0.50864097	0.791643
A_55_P2183	422.4 Detected	386.3 Detected	331.9 Detected	358.6 Detected	Sh3bp1	0.848958333	0.78574811	0.92829407	0.8591768
A_51_P1848	309.8 Detected	143.7 Detected	255.7 Detected	263 Detected	Pfkfb2	0.848934797	0.82537121	1.83020181	1.7794015
A_55_P2117	13.9 Not Detect	21.3 Detected	27 Detected	11.8 Not Detect	Apoc3	0.848920863	1.94244604	0.55399061	1.2676056
A_51_P4690	60644 Detected	65363.7 Detected	65767.1 Detected	51480.2 Detected	Ehd1	0.848891894	1.08447827	0.78759617	1.0061716
A_52_P2898	2136.2 Detected	2097.5 Detected	1447.6 Detected	1813.4 Detected	Prdm4	0.848890553	0.67765191	0.86455304	0.6901549
A_55_P2178	1060 Detected	964 Detected	1043.5 Detected	899.8 Detected	Wdr45b	0.848867925	0.98443396	0.93340249	1.0824689
A_55_P2054	37.7 Detected	178.1 Detected	35.2 Detected	32 Not Detect	Sema3a	0.848806366	0.933687	0.17967434	0.1976418
A_51_P1212	4006.8 Detected	4123.9 Detected	3947.2 Detected	3400.9 Detected	Cenpo	0.84878207	0.98512529	0.82468052	0.9571522
A_55_P2040	7120.3 Detected	5966.1 Detected	6108.1 Detected	6042.8 Detected	Ptp4a1	0.848672107	0.85784307	1.01285597	1.0238011
A_55_P2145	4575.1 Detected	4810.7 Detected	4362.7 Detected	3882.1 Detected	Thoc7	0.848527901	0.95357479	0.80697196	0.9068743
A_55_P1998	142.6 Detected	121.4 Detected	85.7 Detected	121 Detected	Rab23	0.848527349	0.60098177	0.99670511	0.7059308
A_55_P2093	4890.6 Detected	3627.5 Detected	2417.9 Detected	4149.8 Detected	Mex3d	0.848525743	0.49439742	1.14398346	0.6665472
A_52_P5533	4064.3 Detected	2144.3 Detected	2572.9 Detected	3448.4 Detected	Snrk	0.84846099	0.63304874	1.6081705	1.1998787
A_65_P0706	9050.3 Detected	4751.4 Detected	8453.4 Detected	7677.8 Detected	Serf2	0.848347569	0.93404639	1.61590268	1.7791388
A_52_P7724	10993.6 Detected	6641.1 Detected	8882.9 Detected	9325.8 Detected	Snx8	0.848293553	0.80800648	1.40425532	1.3375646
A_51_P4675	502.8 Detected	552.4 Detected	368 Detected	426.5 Detected	Tec	0.848249801	0.73190135	0.77208545	0.6661839

A_51_P3880	34880.9	Detected	34239.9	Detected	27011.2	Detected	29586.6	Detected	Snrpb2	0.848217793	0.77438369	0.86409715	0.7888808
A_55_P2061	1137.9	Detected	569.6	Detected	418.8	Detected	965	Detected	Mthfs	0.848053432	0.3680464	1.69417135	0.7352528
A_55_P2110	4907	Detected	3761.8	Detected	3511.3	Detected	4161.1	Detected	Atp6ap1	0.847992664	0.71556959	1.10614599	0.9334095
A_52_P6443	7573.3	Detected	5458.4	Detected	7002	Detected	6421.5	Detected	Zfp106	0.847913063	0.92456393	1.17644365	1.2827935
A_55_P2056	31780.1	Detected	27733.6	Detected	31249.9	Detected	26946.6	Detected	Siva1	0.847907968	0.9833166	0.97162287	1.1267884
A_51_P1616	10486.4	Detected	8914.3	Detected	12741.6	Detected	8891.5	Detected	Coq7	0.847907766	1.21505951	0.99744231	1.4293439
A_66_P1214	23379.8	Detected	24368.5	Detected	22532.3	Detected	19823.9	Detected	Cenpa	0.847907168	0.96375076	0.81350514	0.9246486
A_55_P2167	13993.1	Detected	10990.6	Detected	18455.9	Detected	11864.7	Detected	Paip2	0.847896463	1.31892861	1.0795316	1.6792441
A_52_P3299	4571.9	Detected	4080.6	Detected	5067.5	Detected	3876.2	Detected	Prrg2	0.847831317	1.10840132	0.94990933	1.2418517
A_55_P1967	2158.3	Detected	1880.8	Detected	3666	Detected	1829.8	Detected	Dcbld1	0.847796877	1.69855905	0.97288388	1.9491706
A_55_P2121	17499.9	Detected	14294.2	Detected	13766.3	Detected	14835.3	Detected	Gm4907	0.847736273	0.78665021	1.03785451	0.9630689
A_55_P2250	36113.4	Detected	30632.9	Detected	28533.4	Detected	30614.2	Detected	Taok1	0.847724113	0.79010561	0.99938955	0.9314626
A_55_P2144	385.4	Detected	281.9	Detected	352.4	Detected	326.7	Detected	9030025P20Rik	0.847690711	0.91437468	1.1589216	1.2500887
A_55_P2161	2420.1	Detected	2199.4	Detected	1971.3	Detected	2051.4	Detected	Zfp133-ps	0.847650924	0.81455312	0.93270892	0.8962899
A_55_P1965	908.4	Detected	426.1	Detected	411.9	Detected	770	Detected	Havcr2	0.84764421	0.45343461	1.80708754	0.9666745
A_51_P4925	3442.6	Detected	2859.7	Detected	3158.5	Detected	2917.9	Detected	Fbxo42	0.847586127	0.91747516	1.02035179	1.1044865
A_55_P2035	56.4	Detected	37	Detected	69.6	Detected	47.8	Not Detect	Glec4n	0.84751773	1.23404255	1.29189189	1.8810811
A_55_P2017	17.7	Detected	14.3	Not Detect	12.6	Not Detect	15	Not Detect	Vmn2r88	0.847457627	0.71186441	1.04895105	0.8811189
A_55_P2071	553.7	Detected	287.6	Detected	513.5	Detected	469.2	Detected	Ncoa3	0.847390284	0.92739751	1.63143255	1.7854659
A_52_P2035	5552.4	Detected	4027.5	Detected	4788.2	Detected	4704.8	Detected	Aqr	0.847345292	0.86236582	1.16816884	1.1888765
A_55_P2048	1162.5	Detected	1097.4	Detected	989.2	Detected	985	Detected	Smn1	0.847311828	0.85092473	0.89757609	0.9014033
A_55_P2042	22809.1	Detected	28895.8	Detected	6919.6	Detected	19325.8	Detected	Dpysl3	0.847284636	0.30337015	0.66881	0.2394673
A_66_P1249	89284.7	Detected	94040.1	Detected	93229.9	Detected	75634	Detected	Hspe1	0.847110423	1.04418674	0.80427392	0.9913845
A_55_P2102	20997.6	Detected	21228.1	Detected	18687.8	Detected	17782.8	Detected	Msto1	0.846896788	0.88999695	0.83770097	0.8803331
A_55_P2032	62.7	Detected	69.3	Detected	79.5	Detected	53.1	Detected	Foxp3	0.846889952	1.26794258	0.76623377	1.1471861
A_55_P2065	75.1	Detected	56.6	Detected	65.2	Detected	63.6	Detected	Brwd1	0.846870839	0.86817577	1.12367491	1.1519435
A_55_P2112	96024.1	Detected	91035.2	Detected	83594.4	Detected	81320	Detected	Madd	0.846870733	0.87055645	0.89328084	0.9182646
A_51_P1550	11.1	Not Detect	44.1	Detected	3.4	Not Detect	9.4	Not Detect	Dennd2a	0.846846847	0.30630631	0.21315193	0.0770975
A_52_P6798	1607	Detected	1560.3	Detected	1690	Detected	1360.7	Detected	Rbm22	0.846733043	1.05164904	0.87207588	1.083125
A_55_P2066	300.1	Detected	190.6	Detected	230.3	Detected	254.1	Detected	Agbl5	0.846717761	0.76741086	1.33315845	1.2082896
A_55_P2089	15	Detected	12	Not Detect	15.3	Not Detect	12.7	Not Detect	Gm11570	0.846666667	1.02	1.05833333	1.275
A_52_P3888	20.2	Detected	26.8	Detected	10.2	Not Detect	17.1	Not Detect	Sec16b	0.846534653	0.5049505	0.6380597	0.380597
A_55_P1974	166456.1	Detected	149021	Detected	141635.2	Detected	140909.8	Detected	Eif4h	0.846528304	0.85088621	0.94557009	0.9504379
A_52_P1924	27316.6	Detected	17490.9	Detected	27748.2	Detected	23123.1	Detected	Tnfrsf1a	0.846485287	1.01579992	1.32200744	1.5864364
A_55_P2025	37.1	Detected	38.3	Detected	24	Detected	31.4	Not Detect	Gcnt2	0.846361186	0.64690027	0.81984334	0.6266319
A_51_P4165	35138.2	Detected	28916.7	Detected	31205.2	Detected	29739.3	Detected	Hdlbp	0.846352403	0.88807053	1.02844723	1.0791411
A_55_P2117	71085	Detected	62335.6	Detected	61361.8	Detected	60162.8	Detected	Rbm3	0.846350144	0.86321728	0.96514351	0.9843781
A_51_P1449	9175.7	Detected	8926.6	Detected	9723.8	Detected	7765.8	Detected	Cops8	0.846344148	1.05973386	0.86996169	1.0893061
A_55_P2045	3421.3	Detected	3688.4	Detected	2513.2	Detected	2895.5	Detected	Stk3	0.846315728	0.73457458	0.78502874	0.6813795
A_55_P1997	96.3	Detected	86.3	Detected	80.2	Detected	81.5	Detected	Diras1	0.846313603	0.83281412	0.94438007	0.9293163

A_51_P4143	52.7 Detected	42.9 Detected	30.9 Detected	44.6 Not Detect	Mmrrn2	0.84629981	0.58633776	1.03962704	0.7202797
A_55_P2024	141717.2 Detected	127290 Detected	139448.5 Detected	119931 Detected	Rpl5	0.846269895	0.98399136	0.94218713	1.0955181
A_51_P2135	1215.8 Detected	1589.2 Detected	1289.6 Detected	1028.8 Detected	Nrde2	0.846191808	1.06070077	0.64736975	0.8114775
A_52_P2659	275 Detected	275.9 Detected	228 Detected	232.7 Detected	Arfrp1	0.846181818	0.82909091	0.84342153	0.8263864
A_55_P1978	248.8 Detected	261.3 Detected	261.1 Detected	210.5 Detected	Tmem170b	0.846061093	1.0494373	0.80558745	0.9992346
A_51_P2556	93221.3 Detected	112609.7 Detected	54402.3 Detected	78867.2 Detected	Mfge8	0.846021242	0.58358229	0.70035885	0.4831049
A_55_P2026	220.1 Detected	160.2 Detected	180.5 Detected	186.2 Detected	Usp31	0.8459791	0.82008178	1.16229713	1.1267166
A_66_P1344	148 Detected	114.2 Detected	123.1 Detected	125.2 Detected	Pcnx13	0.845945946	0.83175676	1.09632224	1.0779335
A_52_P1010	214.7 Detected	136.1 Detected	158.6 Detected	181.6 Detected	2900056M20Rik	0.845831393	0.73870517	1.33431301	1.1653196
A_52_P3553	1683.6 Detected	1402.7 Detected	1746.5 Detected	1424 Detected	Dars	0.845806605	1.03736042	1.015185	1.2450987
A_55_P1963	25829.2 Detected	21983.2 Detected	26958.3 Detected	21846.4 Detected	Gtf3c6	0.845802425	1.04371409	0.99377707	1.2263137
A_55_P2056	221.6 Detected	308.4 Detected	216 Detected	187.4 Detected	AF067061	0.84566787	0.97472924	0.6076524	0.7003891
A_66_P1351	47.3 Detected	51.9 Detected	42.9 Detected	40 Not Detect	1700094M24Rik	0.845665962	0.90697674	0.77071291	0.8265896
A_51_P1562	9355.1 Detected	7689.6 Detected	8294.9 Detected	7911.1 Detected	Zfp511	0.845645691	0.88667144	1.02880514	1.0787167
A_55_P1982	10634.7 Detected	8883.5 Detected	9467.2 Detected	8992.5 Detected	Rhbdf1	0.845580975	0.89021787	1.01226994	1.0657061
A_55_P2131	53.1 Detected	27.4 Detected	41 Detected	44.9 Detected	Dcaf17	0.845574388	0.77212806	1.63868613	1.4963504
A_55_P2394	12.3 Not Detect	16.6 Not Detect	20.9 Detected	10.4 Not Detect	1700023A20Rik	0.845528455	1.69918699	0.62650602	1.2590361
A_51_P4465	17795.7 Detected	6712.6 Detected	14204.7 Detected	15044.6 Detected	Emp3	0.845406475	0.79820968	2.2412478	2.1161249
A_51_P2202	1545.6 Detected	889.9 Detected	1228.9 Detected	1306.6 Detected	Phf1	0.845367495	0.79509576	1.46825486	1.3809417
A_55_P2170	4808.6 Detected	3909.4 Detected	5267.3 Detected	4064.7 Detected	Bivm	0.845298008	1.09539159	1.03972477	1.3473423
A_52_P5545	69.8 Detected	70.2 Detected	47.1 Detected	59 Detected	Dnajc11	0.845272206	0.6747851	0.84045584	0.6709402
A_52_P2577	15.5 Detected	3.3 Not Detect	6.8 Not Detect	13.1 Not Detect	Reg4	0.84516129	0.43870968	3.96969697	2.0606061
A_55_P2186	198.8 Detected	152.8 Detected	148.9 Detected	168 Detected	Gm5414	0.845070423	0.74899396	1.09947644	0.9744764
A_52_P2376	1725 Detected	1783 Detected	1370.6 Detected	1457.7 Detected	Nup54	0.845043478	0.79455072	0.81755468	0.7687044
A_55_P2108	7143.9 Detected	5743.9 Detected	4840.6 Detected	6036.9 Detected	4930427A07Rik	0.845042624	0.67758507	1.05101064	0.8427375
A_55_P1971	48686.5 Detected	34427 Detected	47519.1 Detected	41141.2 Detected	Ube2l3	0.845022748	0.9760221	1.19502716	1.3802858
A_55_P1982	451 Detected	1151.6 Detected	958.5 Detected	381.1 Detected	Gpm6b	0.845011086	2.12527716	0.33093088	0.8323203
A_66_P1347	116.1 Detected	95.8 Detected	85.9 Detected	98.1 Detected	Mphosph9	0.84496124	0.73987941	1.02400835	0.8966597
A_55_P2124	31.6 Detected	26.7 Detected	27.9 Detected	26.7 Not Detect	LOC101056084	0.844936709	0.88291139	1	1.0449438
A_55_P2012	47.7 Detected	48.3 Detected	54 Detected	40.3 Not Detect	Gm10536	0.844863732	1.13207547	0.83436853	1.1180124
A_55_P2058	5124.6 Detected	3639.5 Detected	4992.8 Detected	4329.4 Detected	Gm5858	0.844826913	0.97428092	1.18955901	1.3718368
A_55_P2351	458.8 Detected	377.5 Detected	368.5 Detected	387.6 Detected	Dhx9	0.844812554	0.80318221	1.02675497	0.9761589
A_55_P2167	1732.3 Detected	1735.9 Detected	1401.3 Detected	1463.4 Detected	Cnnm2	0.844772845	0.80892455	0.84302091	0.807247
A_51_P2421	44226 Detected	41545.7 Detected	40126.6 Detected	37359.8 Detected	Lap3	0.844747434	0.90730792	0.89924589	0.9658424
A_55_P2025	208 Detected	285.1 Detected	132.5 Detected	175.7 Detected	Psme2b	0.844711538	0.63701923	0.61627499	0.4647492
A_52_P2733	4638 Detected	2785.4 Detected	3620.8 Detected	3917.7 Detected	Ppp2r5c	0.84469599	0.78068133	1.40651253	1.299921
A_55_P1989	54148.8 Detected	41613.5 Detected	59709 Detected	45738.8 Detected	Eif6	0.844687232	1.10268372	1.09913369	1.4348469
A_55_P2117	1630.6 Detected	1207.8 Detected	1188.8 Detected	1377.3 Detected	Zfp937	0.844658408	0.72905679	1.1403378	0.9842689
A_51_P3913	791 Detected	656.9 Detected	749.1 Detected	668.1 Detected	Tfap4	0.844627054	0.94702908	1.01704978	1.1403562
A_55_P2136	159.5 Detected	128.7 Detected	145.3 Detected	134.7 Detected	Kmt2d	0.844514107	0.91097179	1.04662005	1.1289821

A_55_P2029	12340.4	Detected	12044.8	Detected	10469.9	Detected	10421.6	Detected	Tnfrsf9	0.844510713	0.84842469	0.86523645	0.8692465
A_55_P2258	149.2	Detected	89.7	Detected	92.6	Detected	126	Detected	1810008118Rik	0.844504021	0.62064343	1.40468227	1.03233
A_51_P4367	423	Detected	334.1	Detected	289.2	Detected	357.2	Detected	Olf1537	0.844444444	0.68368794	1.06914098	0.8656091
A_55_P2008	142.7	Detected	117.7	Detected	140.7	Detected	120.5	Detected	Zfp952	0.844428872	0.98598458	1.02378929	1.1954121
A_52_P5639	5208	Detected	4220.7	Detected	4867.1	Detected	4397.5	Detected	Psmg4	0.84437404	0.93454301	1.04188879	1.15315
A_55_P1979	51.4	Detected	38.8	Detected	49.3	Detected	43.4	Not Detect	Wdr62	0.844357977	0.95914397	1.1185567	1.2706186
A_51_P3086	1942.7	Detected	1584.1	Detected	1698.8	Detected	1640.3	Detected	Mcur1	0.844340351	0.87445308	1.03547756	1.072407
A_55_P2025	3465.6	Detected	2698.2	Detected	4802.3	Detected	2926.1	Detected	Adam8	0.844327101	1.38570522	1.08446372	1.7798162
A_55_P1978	1758	Detected	1137.2	Detected	1338.8	Detected	1484.3	Detected	Rp2h	0.844311718	0.76154721	1.30522336	1.1772775
A_55_P2138	44.3	Detected	37.3	Detected	41	Detected	37.4	Not Detect	Rfx3	0.844243792	0.9255079	1.00268097	1.0991957
A_51_P3531	21326.1	Detected	21728.8	Detected	21081.2	Detected	18002.5	Detected	Fam98a	0.844153408	0.98851642	0.82850871	0.9701962
A_55_P2010	4581.8	Detected	3325.1	Detected	3553.5	Detected	3867.6	Detected	Cnn2	0.844122397	0.77556855	1.16315299	1.0686897
A_55_P2013	3974.5	Detected	1485.7	Detected	2639.5	Detected	3354.9	Detected	Renbp	0.844106177	0.66410869	2.25812748	1.7766036
A_52_P4876	673.5	Detected	847	Detected	464.6	Detected	568.5	Detected	Rassf8	0.844097996	0.68982925	0.67119244	0.5485242
A_51_P3573	127453.7	Detected	84590.1	Detected	135598	Detected	107579.4	Detected	Clic1	0.844066512	1.06390007	1.27177294	1.6030008
A_55_P2423	40.4	Detected	56.2	Detected	27.6	Detected	34.1	Not Detect	5730433K22Rik	0.844059406	0.68316832	0.60676157	0.4911032
A_55_P1956	66243.3	Detected	58966.2	Detected	55089.9	Detected	55909.7	Detected	Timm17a	0.844005356	0.83162976	0.94816522	0.9342623
A_52_P5733	9570.9	Detected	3701.2	Detected	6333.5	Detected	8077.2	Detected	Sbsn	0.843933172	0.6617455	2.18231925	1.7112018
A_55_P2063	6566.8	Detected	5558.5	Detected	5750.1	Detected	5541.2	Detected	Dusp3	0.84382043	0.87563197	0.99688765	1.0344697
A_52_P5562	2020.2	Detected	1529.3	Detected	1479.2	Detected	1704.5	Detected	Arih1	0.843728344	0.73220473	1.11456222	0.9672399
A_55_P1983	79.3	Detected	157.1	Detected	40	Detected	66.9	Detected	Pstpip2	0.843631778	0.50441362	0.42584341	0.2546149
A_52_P5501	20612.3	Detected	15562.2	Detected	22811.5	Detected	17389.1	Detected	Urm1	0.843627349	1.10669358	1.11739343	1.4658275
A_55_P1979	18053	Detected	13928.1	Detected	18853.1	Detected	15229.8	Detected	Prdx4	0.843616019	1.0443195	1.09345855	1.3536017
A_55_P1960	296	Detected	261.4	Detected	24.5	Detected	249.7	Detected	Thsd7a	0.843581081	0.08277027	0.95524101	0.0937261
A_55_P2003	34.5	Detected	29.3	Detected	20.1	Detected	29.1	Not Detect	Fkbp8	0.843478261	0.5826087	0.99317406	0.6860068
A_55_P2012	6589.9	Detected	5473.9	Detected	5974.3	Detected	5558.2	Detected	Sfxn2	0.843442237	0.90658432	1.01540035	1.0914156
A_51_P4683	37108	Detected	34453.9	Detected	39116.4	Detected	31298.4	Detected	Psmb7	0.843440767	1.0541231	0.90841385	1.1353258
A_51_P4484	10552.1	Detected	7471.9	Detected	10667.8	Detected	8899.6	Detected	Mea1	0.843396101	1.01096464	1.1910759	1.4277225
A_55_P2173	623.3	Detected	468.3	Detected	652.8	Detected	525.6	Detected	Zfp931	0.84325365	1.04732873	1.12235746	1.3939782
A_51_P3734	13142.3	Detected	10266.6	Detected	10454.8	Detected	11081.9	Detected	Brcc3	0.843223789	0.79550764	1.07941285	1.0183313
A_55_P1995	8797.2	Detected	4967.4	Detected	10439.6	Detected	7417.5	Detected	Gm14288	0.843166007	1.18669577	1.4932359	2.1016226
A_55_P2051	71.4	Detected	52.9	Detected	48	Detected	60.2	Detected	Spin1	0.843137255	0.67226891	1.13799622	0.9073724
A_55_P1964	945.4	Detected	578.6	Detected	716.8	Detected	797.1	Detected	Stam2	0.843135181	0.75819759	1.37763567	1.2388524
A_55_P2195	1923.4	Detected	1557.2	Detected	2215	Detected	1621.5	Detected	Rabepk	0.84303837	1.15160653	1.04129206	1.4224249
A_55_P2151	96003.1	Detected	78783.6	Detected	83043.7	Detected	80931	Detected	Dynl1c	0.843004028	0.86501061	1.02725694	1.0540734
A_52_P2574	818.8	Detected	560.8	Detected	671.9	Detected	690.2	Detected	Prr12	0.842940889	0.82059111	1.2307418	1.1981098
A_55_P2099	717.6	Detected	782.4	Detected	586.2	Detected	604.8	Detected	Nol9	0.842809365	0.81688963	0.77300613	0.7492331
A_55_P2000	57.2	Detected	56	Detected	70.5	Detected	48.2	Detected	Ccdc151	0.842657343	1.23251748	0.86071429	1.2589286
A_55_P1976	1607.9	Detected	1395.8	Detected	1499	Detected	1354.9	Detected	Smurf2	0.842651906	0.93227191	0.97069781	1.0739361
A_66_P1328	3217.7	Detected	2972	Detected	2756.3	Detected	2711.4	Detected	Baz1b	0.842651583	0.85660565	0.91231494	0.9274226

A_52_P6243	12957.8	Detected	10629.1	Detected	14102.9	Detected	10916.2	Detected	Aamp	0.84244239	1.08837148	1.02701075	1.3268198
A_51_P3755	60.9	Detected	65.5	Detected	44.5	Detected	51.3	Detected	Myoc	0.842364532	0.73070608	0.78320611	0.6793893
A_55_P2076	6178.5	Detected	5187.7	Detected	5587	Detected	5203.8	Detected	Rbm12	0.842243263	0.90426479	1.00310349	1.0769705
A_51_P3871	546.2	Detected	549.5	Detected	224.3	Detected	460	Detected	Zfp462	0.842182351	0.41065544	0.83712466	0.4081893
A_55_P1993	28438.9	Detected	20893.5	Detected	28358.4	Detected	23949.8	Detected	Oaz2	0.84214931	0.99716937	1.14627994	1.3572834
A_52_P6571	5598.1	Detected	3747.8	Detected	5521.3	Detected	4714.2	Detected	LOC101056031	0.842107143	0.98628106	1.25785794	1.473211
A_55_P2031	4263.2	Detected	5004	Detected	2884.4	Detected	3590	Detected	Efna1	0.842090448	0.67658097	0.71742606	0.5764189
A_55_P2007	31	Detected	27.2	Detected	23.5	Detected	26.1	Not Detect	Cryaa	0.841935484	0.75806452	0.95955882	0.8639706
A_66_P1060	1972.5	Detected	1842.7	Detected	1372.4	Detected	1660.2	Detected	Kif3a	0.841673004	0.69576679	0.90096055	0.7447767
A_55_P1993	11563.4	Detected	9849	Detected	11041.2	Detected	9731.8	Detected	Nsa2	0.841603681	0.95484027	0.98810031	1.1210478
A_66_P1041	307.4	Detected	213.2	Detected	265.8	Detected	258.7	Detected	Homer1	0.841574496	0.86467144	1.21341463	1.2467167
A_55_P2039	5628.2	Detected	4793.9	Detected	4511.4	Detected	4736.5	Detected	Zfp664	0.841565687	0.80157066	0.98802645	0.9410709
A_55_P2175	296	Detected	247.7	Detected	225.3	Detected	249.1	Detected	Stxbp4	0.841554054	0.76114865	1.005652	0.909568
A_55_P2015	9037.5	Detected	8374.6	Detected	9305.7	Detected	7605.2	Detected	Dctn4	0.841515906	1.02967635	0.90812696	1.1111814
A_55_P1973	3731.7	Detected	2966.1	Detected	3049.8	Detected	3140.2	Detected	Mapk9	0.841493153	0.81726827	1.0586966	1.0282189
A_55_P2002	138.1	Detected	102.7	Detected	89.2	Detected	116.2	Detected	Dzip1	0.841419261	0.64590876	1.13145083	0.8685492
A_55_P2016	547.3	Detected	554.2	Detected	348.3	Detected	460.5	Detected	Tpst1	0.841403252	0.63639686	0.83092746	0.6284735
A_51_P3306	5056.5	Detected	4221.3	Detected	4447	Detected	4254.4	Detected	Zfp119b	0.841372491	0.87946208	1.00784119	1.0534669
A_51_P3331	694	Detected	223.4	Detected	642.8	Detected	583.9	Detected	Aox1	0.841354467	0.92622478	2.6136974	2.87735
A_55_P2038	20.8	Detected	27.6	Detected	17.4	Detected	17.5	Not Detect	Fbxo47	0.841346154	0.83653846	0.63405797	0.6304348
A_51_P3469	609.4	Detected	673.2	Detected	424.3	Detected	512.7	Detected	Lepre1	0.84131933	0.69625862	0.76158645	0.6302733
A_52_P2199	308.7	Detected	350.8	Detected	324.4	Detected	259.7	Detected	Epc1	0.841269841	1.05085844	0.74030787	0.9247434
A_51_P1165	19768	Detected	14425.2	Detected	16108.1	Detected	16626.7	Detected	Ccdc22	0.841091663	0.81485735	1.15261487	1.1166639
A_55_P2426	629.2	Detected	405.5	Detected	507.1	Detected	529.2	Detected	Scaper	0.841068023	0.80594406	1.30505549	1.2505549
A_55_P1952	22	Detected	25.3	Detected	28	Detected	18.5	Not Detect	D630023F18Rik	0.840909091	1.27272727	0.7312253	1.1067194
A_52_P3506	5625.9	Detected	3013.7	Detected	6036.1	Detected	4730.8	Detected	Pygb	0.840896568	1.07291278	1.56976474	2.0028868
A_55_P2395	55.3	Detected	48.9	Detected	50.3	Detected	46.5	Not Detect	2810427A07Rik	0.840867993	0.90958409	0.95092025	1.0286299
A_52_P4646	1775.2	Detected	1683.1	Detected	1769.1	Detected	1492.7	Detected	Nme7	0.840863001	0.99656377	0.88687541	1.0510962
A_52_P2066	9584.8	Detected	7704.4	Detected	9554.3	Detected	8059.5	Detected	Adss	0.840862616	0.99681788	1.04609055	1.2401095
A_66_P1045	496.8	Detected	420.8	Detected	435.6	Detected	417.7	Detected	Inpp1	0.840780998	0.87681159	0.99263308	1.0351711
A_51_P5170	7461.4	Detected	5744	Detected	7718.7	Detected	6273.4	Detected	Sh3gl1	0.840780551	1.03448415	1.09216574	1.3437848
A_51_P3129	793.2	Detected	674.2	Detected	675.8	Detected	666.9	Detected	Zfp346	0.840771558	0.85199193	0.98917235	1.0023732
A_55_P2050	22.6	Detected	31.4	Detected	20.5	Detected	19	Not Detect	Nmu	0.840707965	0.90707965	0.60509554	0.6528662
A_52_P1261	1847.9	Detected	1551.1	Detected	1404.4	Detected	1553.4	Detected	Riok1	0.840629904	0.75999784	1.00148282	0.905422
A_55_P1955	5370.1	Detected	4805	Detected	4840.1	Detected	4513.6	Detected	Alad	0.840505763	0.90130538	0.93935484	1.0073049
A_66_P1204	25.7	Detected	24.3	Detected	32.6	Detected	21.6	Not Detect	Duoxa1	0.840466926	1.26848249	0.88888889	1.3415638
A_55_P2002	5093.9	Detected	4838	Detected	5487.6	Detected	4281.2	Detected	Inpp5a	0.840456232	1.07728852	0.88491112	1.1342704
A_52_P3803	6865.2	Detected	5348.7	Detected	4251.5	Detected	5769.5	Detected	Papd7	0.840397949	0.61928276	1.07867332	0.794866
A_55_P2175	71.4	Detected	57.6	Detected	56	Detected	60	Detected	Gm10428	0.840336134	0.78431373	1.04166667	0.9722222
A_55_P2022	14684.1	Detected	13228.6	Detected	17606.4	Detected	12339.3	Detected	Gpank1	0.840317078	1.19901118	0.93277444	1.3309345

A_55_P2092	213.4	Detected	165.6	Detected	349.2	Detected	179.3	Detected	Traf2	0.840206186	1.63636364	1.08272947	2.1086957
A_55_P1979	41.3	Detected	28.9	Detected	45.6	Detected	34.7	Not Detect	E330009J07Rik	0.840193705	1.10411622	1.20069204	1.5778547
A_55_P1970	2129.7	Detected	2659.8	Detected	1315.4	Detected	1789.2	Detected	Stard13	0.840118327	0.61764568	0.67268216	0.4945485
A_51_P2344	10259.6	Detected	9498.5	Detected	10594.7	Detected	8618.3	Detected	Gpn1	0.840023003	1.03266209	0.90733274	1.1154077
A_52_P5189	28685.4	Detected	31475.9	Detected	17411.8	Detected	24096	Detected	Epha2	0.840009203	0.60699171	0.76553808	0.5531788
A_52_P8110	158.6	Detected	140.6	Detected	164.6	Detected	133.2	Detected	Ipmk	0.839848676	1.03783102	0.94736842	1.170697
A_55_P2138	942	Detected	713.7	Detected	647	Detected	791.1	Detected	Atxn7I3	0.839808917	0.68683652	1.10844893	0.9065434
A_55_P1979	5803.9	Detected	4993.9	Detected	4851.8	Detected	4873.8	Detected	Txndc9	0.839745688	0.83595513	0.97595066	0.9715453
A_51_P5048	15.6	Not Detect	31.6	Detected	14.2	Not Detect	13.1	Not Detect	Brinp2	0.83974359	0.91025641	0.41455696	0.4493671
A_55_P2130	24239	Detected	17348.6	Detected	23019.8	Detected	20352.6	Detected	Smc3	0.839663352	0.9497009	1.17315518	1.3268967
A_52_P2424	534.3	Detected	469.3	Detected	440.4	Detected	448.6	Detected	Fam149b	0.839603219	0.82425604	0.95589175	0.9384189
A_52_P6559	1651.9	Detected	1314.8	Detected	1003.5	Detected	1386.9	Detected	BC030336	0.839578667	0.60748229	1.05483724	0.763234
A_55_P1961	13276.1	Detected	10484.5	Detected	11971.1	Detected	11145.2	Detected	Pcdhga9	0.839493526	0.90170306	1.06301683	1.1417903
A_52_P6798	6097.4	Detected	4235.7	Detected	5642.7	Detected	5118.4	Detected	Lcmt2	0.839439761	0.92542723	1.20839531	1.3321765
A_52_P1505	4206.6	Detected	3894.2	Detected	4522.6	Detected	3531.1	Detected	Ndufaf6	0.839419008	1.07512005	0.90675877	1.1613682
A_55_P2006	583.3	Detected	514.4	Detected	265.8	Detected	489.6	Detected	Armxc3	0.839362249	0.45568318	0.95178849	0.5167185
A_51_P4370	2847.1	Detected	1152	Detected	1003.8	Detected	2389.6	Detected	Trak1	0.839310175	0.35256928	2.07430556	0.8713542
A_52_P2827	1881.2	Detected	1458.4	Detected	1583.3	Detected	1578.9	Detected	Zbtb33	0.839304699	0.84164363	1.08262479	1.0856418
A_52_P4135	179.2	Detected	190.3	Detected	113.2	Detected	150.4	Detected	Ikzf2	0.839285714	0.63169643	0.79033106	0.5948502
A_55_P2009	7705.4	Detected	3337.1	Detected	4592	Detected	6466.9	Detected	Mapkapk3	0.839268565	0.5959457	1.9378802	1.3760451
A_51_P2673	4834.9	Detected	4461.3	Detected	3568.9	Detected	4057.7	Detected	Topors	0.839252104	0.73815384	0.9095331	0.7999686
A_55_P1971	47.9	Detected	80.2	Detected	15.1	Not Detect	40.2	Not Detect	Atp2c2	0.839248434	0.31524008	0.50124688	0.1882793
A_52_P8355	1907.9	Detected	1284.6	Detected	1540.8	Detected	1601.2	Detected	Arfgef2	0.83924734	0.8075895	1.24645804	1.1994395
A_55_P2077	4704.8	Detected	4003.9	Detected	4556.2	Detected	3948.4	Detected	Cenpl	0.839228022	0.96841524	0.98613851	1.1379405
A_52_P2879	618.6	Detected	414.2	Detected	352.3	Detected	519.1	Detected	Tbcel	0.839152926	0.5695118	1.2532593	0.8505553
A_55_P2079	2748.9	Detected	2973.7	Detected	1470.3	Detected	2306.5	Detected	Gramd1c	0.839062898	0.53486849	0.77563305	0.4944345
A_55_P1972	4894.3	Detected	4054	Detected	3782.7	Detected	4106.6	Detected	Eif4enif1	0.839057679	0.77287865	1.01297484	0.9330784
A_52_P5311	31426.8	Detected	28809.9	Detected	29584.2	Detected	26368	Detected	Fkbp3	0.839029109	0.94136851	0.91524094	1.0268762
A_52_P1201	393.2	Detected	284.3	Detected	320.5	Detected	329.9	Detected	A530054K11Rik	0.839013225	0.81510682	1.16039395	1.1273303
A_55_P2186	2223.3	Detected	1710.3	Detected	1263.2	Detected	1865.3	Detected	Atp11c	0.838978096	0.56816444	1.09062738	0.7385839
A_55_P2156	1262.1	Detected	1488.7	Detected	911.5	Detected	1058.8	Detected	Tmem39b	0.838919262	0.72220902	0.71122456	0.6122792
A_52_P1442	3119.5	Detected	2475.1	Detected	3536.7	Detected	2616.9	Detected	Fam72a	0.838884437	1.13373938	1.05729061	1.428912
A_55_P2084	1713.6	Detected	1408.5	Detected	4590.1	Detected	1437.4	Detected	Gcnt1	0.838818861	2.67862979	1.02051828	3.2588569
A_55_P1971	146221.8	Detected	121927.2	Detected	117402.7	Detected	122652.6	Detected	Uba1	0.838811997	0.80290832	1.00594945	0.9628918
A_55_P1979	23038.3	Detected	21155.1	Detected	30249.9	Detected	19324.2	Detected	Prdx5	0.838785848	1.31302657	0.91345349	1.4299105
A_55_P2113	49	Detected	46.4	Detected	31.3	Detected	41.1	Not Detect	Star	0.83877551	0.63877551	0.88577586	0.674569
A_55_P2047	336.1	Detected	334.4	Detected	236.1	Detected	281.9	Detected	Tec	0.838738471	0.7024695	0.84300239	0.7060407
A_52_P6261	12.4	Not Detect	38.6	Detected	3.7	Not Detect	10.4	Not Detect	Gm9895	0.838709677	0.2983871	0.26943005	0.0958549
A_55_P2066	443.8	Detected	294.7	Detected	400	Detected	372.2	Detected	Fcho2	0.838666066	0.90130689	1.2629793	1.3573125
A_52_P3660	1239.6	Detected	1156.9	Detected	1148.3	Detected	1039.6	Detected	Rpp40	0.838657631	0.92634721	0.89860835	0.9925663

A_52_P2638	400.3	Detected	360.5	Detected	415.8	Detected	335.7	Detected	Cdc23	0.838621034	1.03872096	0.93120666	1.1533981
A_51_P4752	6334.9	Detected	3445.2	Detected	4729.1	Detected	5311.6	Detected	Rnf44	0.838466274	0.74651534	1.54173923	1.3726634
A_52_P2778	27361	Detected	23450.9	Detected	25601	Detected	22937.9	Detected	Snrpb	0.838342897	0.93567487	0.97812451	1.0916852
A_55_P1958	534.9	Detected	571.1	Detected	423.8	Detected	448.4	Detected	Spata7	0.83828753	0.79229763	0.78515146	0.7420767
A_51_P2288	1612	Detected	1290.3	Detected	1323.7	Detected	1351.3	Detected	Zfp72	0.838275434	0.82115385	1.04727583	1.0258855
A_55_P2292	45841.4	Detected	42080.1	Detected	39416.9	Detected	38423	Detected	2310002F09Rik	0.838172482	0.85985376	0.91309194	0.9367112
A_51_P3956	34.6	Detected	21.5	Detected	25.7	Detected	29	Not Detect	Spink10	0.838150289	0.74277457	1.34883721	1.1953488
A_55_P2023	9457.8	Detected	6870.6	Detected	6689.8	Detected	7926.6	Detected	Osbpl5	0.838101884	0.70733151	1.15369837	0.973685
A_55_P2145	1762.2	Detected	1609.5	Detected	1608.4	Detected	1476.9	Detected	Atg16l1	0.838100102	0.91272273	0.91761417	0.9993166
A_66_P1344	2228.1	Detected	2111.3	Detected	2281.6	Detected	1867.3	Detected	Mettl25	0.838068309	1.02401149	0.88443139	1.0806612
A_51_P4948	575.3	Detected	227.7	Detected	675.7	Detected	482.1	Detected	Vmac	0.837997566	1.17451764	2.11725955	2.9675011
A_55_P2156	29671	Detected	26527.2	Detected	30212.2	Detected	24864.1	Detected	Sox5	0.837993327	1.01824003	0.93730586	1.138914
A_55_P2135	131192.7	Detected	115539.1	Detected	143703	Detected	109934.8	Detected	Rps18	0.837964307	1.0953582	0.95149434	1.2437608
A_52_P5876	11331.7	Detected	8456.8	Detected	9188.3	Detected	9495.2	Detected	Phf3	0.837932526	0.81084921	1.12278876	1.0864984
A_51_P3694	247.4	Detected	209.7	Detected	209.3	Detected	207.3	Detected	Mss51	0.837914309	0.84599838	0.98855508	0.9980925
A_66_P1146	182.6	Detected	158	Detected	162.6	Detected	153	Detected	Ndst1	0.837897043	0.89047097	0.96835443	1.0291139
A_52_P5633	10982.1	Detected	9605.5	Detected	12364.9	Detected	9201.2	Detected	Smim4	0.837836115	1.12591399	0.95790953	1.2872729
A_55_P1955	165923	Detected	156423.6	Detected	156920.7	Detected	139013.9	Detected	Hspd1	0.837821761	0.94574411	0.88870158	1.0031779
A_52_P1004	68563.8	Detected	80467.6	Detected	57403.6	Detected	57443.3	Detected	Akr1b3	0.837807998	0.83722898	0.71386869	0.7133753
A_52_P2235	341.5	Detected	230.6	Detected	237.9	Detected	286.1	Detected	Brwd1	0.837774524	0.6966325	1.2406765	1.0316565
A_55_P2142	292.8	Detected	257.9	Detected	214.8	Detected	245.3	Detected	BC016423	0.837773224	0.73360656	0.95114385	0.832881
A_55_P1967	5079.1	Detected	4977.1	Detected	6091.8	Detected	4254.7	Detected	Lpar6	0.837687779	1.19938572	0.85485524	1.2239658
A_66_P1189	160.8	Detected	142.3	Detected	138.1	Detected	134.7	Detected	Zfp644	0.837686567	0.85883085	0.94659171	0.9704849
A_51_P4682	27.1	Detected	19.9	Detected	131.9	Detected	22.7	Not Detect	S100b	0.837638376	4.86715867	1.14070352	6.6281407
A_51_P2687	3219.9	Detected	2224.4	Detected	3933.2	Detected	2696.9	Detected	Kptn	0.837572595	1.22152862	1.21241683	1.7682072
A_66_P1008	27.7	Detected	13.2	Not Detect	14.4	Not Detect	23.2	Not Detect	D230030E09Rik	0.837545126	0.5198556	1.75757576	1.0909091
A_51_P4216	5522.4	Detected	4304.8	Detected	4739.3	Detected	4625.2	Detected	Tmem123	0.837534405	0.85819571	1.07442854	1.1009338
A_55_P2044	3050.8	Detected	2247.1	Detected	2810.7	Detected	2555.1	Detected	Znf512b	0.837518028	0.92129933	1.13706555	1.2508122
A_55_P2156	80	Detected	59.2	Detected	70.3	Detected	67	Detected	9430007A20Rik	0.8375	0.87875	1.13175676	1.1875
A_55_P1968	3017.7	Detected	2245.8	Detected	2602.4	Detected	2527.2	Detected	Agpat9	0.837458992	0.86237863	1.12530056	1.1587853
A_51_P3703	792.6	Detected	704.4	Detected	724.8	Detected	663.7	Detected	Zbtb48	0.837370679	0.91445874	0.94222033	1.0289608
A_55_P2015	6513.7	Detected	7067.2	Detected	6205.4	Detected	5453.9	Detected	Rab4a	0.837296774	0.95266899	0.77172006	0.8780564
A_51_P2159	1544.7	Detected	1132.6	Detected	901.8	Detected	1293.3	Detected	Zswim6	0.837249951	0.58380268	1.14188593	0.7962211
A_52_P3845	1576.5	Detected	1763.1	Detected	1377.5	Detected	1319.9	Detected	Rnf217	0.83723438	0.87377101	0.74862458	0.7812943
A_55_P2068	22.1	Detected	40	Detected	8.9	Not Detect	18.5	Not Detect	Defa1	0.837104072	0.40271493	0.4625	0.2225
A_55_P1978	20317.9	Detected	16135.1	Detected	16481.7	Detected	17007.9	Detected	Aven	0.837089463	0.81119112	1.05409325	1.0214811
A_51_P5045	17942.2	Detected	16355.3	Detected	19134.4	Detected	15018.7	Detected	Derl1	0.837060115	1.0664467	0.91827726	1.1699205
A_51_P3200	939.6	Detected	799.4	Detected	525.1	Detected	786.5	Detected	Atp10a	0.837058323	0.55885483	0.9838629	0.6568677
A_66_P1371	1191.9	Detected	899.7	Detected	1088.6	Detected	997.6	Detected	Coq7	0.836982968	0.91333166	1.10881405	1.2099589
A_52_P1119	3438	Detected	2445.9	Detected	3094	Detected	2876.7	Detected	1810030007Rik	0.836736475	0.89994183	1.17613149	1.264974

A_55_P2023	9408.4	Detected	7292.6	Detected	8995.2	Detected	7871.6	Detected	Zfp386	0.836656605	0.9560818	1.07939555	1.2334695
A_55_P2067	8271.6	Detected	5849.7	Detected	9160.2	Detected	6920.4	Detected	Arpc5l	0.836645873	1.10742783	1.18303503	1.5659265
A_55_P1973	12290	Detected	7925.4	Detected	12404.6	Detected	10282.1	Detected	Mapk1	0.836623271	1.00932465	1.29736039	1.5651702
A_51_P4458	2521.3	Detected	767	Detected	702.1	Detected	2109.2	Detected	Deptor	0.836552572	0.27846746	2.74993481	0.9153846
A_55_P1958	5460.3	Detected	5443.2	Detected	4558.2	Detected	4567.8	Detected	B9d1	0.836547442	0.8347893	0.83917549	0.8374118
A_55_P2045	10200.6	Detected	11525.9	Detected	12030	Detected	8533.2	Detected	Ehd1	0.836539027	1.17934239	0.74034999	1.0437363
A_55_P2112	5555	Detected	4437.7	Detected	3539.9	Detected	4646.9	Detected	Cdk5rap2	0.836525653	0.63724572	1.04714154	0.797688
A_55_P2398	91.1	Detected	54.5	Detected	35.1	Detected	76.2	Detected	D2Ert640e	0.836443469	0.38529089	1.39816514	0.6440367
A_52_P1915	1522.8	Detected	1555.3	Detected	1179.6	Detected	1273.6	Detected	Sec24b	0.836354085	0.77462569	0.81887739	0.7584389
A_51_P4111	21481.8	Detected	19558.9	Detected	19073.3	Detected	17965.5	Detected	Rpp25l	0.8363126	0.88788183	0.91853325	0.9751724
A_55_P2307	246.8	Detected	191.4	Detected	212.2	Detected	206.4	Detected	5730526G10Rik	0.8363047	0.85980551	1.07836991	1.1086729
A_55_P2100	17.7	Detected	14.7	Detected	20.9	Detected	14.8	Not Detect	Defb30	0.836158192	1.18079096	1.00680272	1.4217687
A_55_P2109	9431.5	Detected	7887.9	Detected	7526.4	Detected	7885.8	Detected	Slc1a4	0.836113025	0.79800668	0.99973377	0.9541703
A_52_P6608	311.1	Detected	236.1	Detected	205.9	Detected	260.1	Detected	Napb	0.836065574	0.66184507	1.10165184	0.8720881
A_51_P3055	276.9	Detected	281.7	Detected	166.1	Detected	231.5	Detected	St3gal2	0.836041892	0.59985554	0.82179624	0.5896344
A_52_P2435	1148.5	Detected	868.1	Detected	938.3	Detected	960.1	Detected	Rmdn2	0.835959948	0.81697867	1.10597857	1.0808663
A_55_P1996	4045.3	Detected	3632.1	Detected	3731.8	Detected	3381.3	Detected	Zbtb2	0.835858898	0.92250266	0.93094904	1.0274497
A_52_P4479	6739.1	Detected	5820.9	Detected	5242.4	Detected	5632.3	Detected	LOC101055890	0.83576442	0.77790803	0.96759951	0.9006167
A_51_P3650	37412.2	Detected	9826.1	Detected	44682.8	Detected	31266.4	Detected	Gclc	0.835727383	1.19433768	3.18197454	4.5473586
A_52_P1050	5310	Detected	3335.8	Detected	4667.5	Detected	4437.5	Detected	Clcn7	0.835687382	0.87900188	1.3302656	1.3992146
A_55_P1971	5081.5	Detected	3937.2	Detected	4015.3	Detected	4246	Detected	Pqbp1	0.835580045	0.79018006	1.07843137	1.0198364
A_55_P2123	1010.1	Detected	525.7	Detected	638.9	Detected	844	Detected	Jam2	0.835560836	0.63251163	1.60547841	1.2153319
A_55_P1976	299059.9	Detected	271990	Detected	308405	Detected	249861.1	Detected	Rpl36	0.835488476	1.03124825	0.91864076	1.1338836
A_55_P2381	110	Detected	69.2	Detected	114.2	Detected	91.9	Detected	A330106F07Rik	0.835454545	1.03818182	1.32803468	1.650289
A_51_P3844	15.8	Detected	10.4	Not Detect	7.5	Not Detect	13.2	Not Detect	Dll4	0.835443038	0.47468354	1.26923077	0.7211538
A_55_P1972	565.7	Detected	430.4	Detected	540.1	Detected	472.6	Detected	4632415L05Rik	0.835425137	0.95474633	1.09804833	1.2548792
A_55_P2017	1245	Detected	880.5	Detected	1104.2	Detected	1040.1	Detected	Cdc45	0.835421687	0.88690763	1.18126065	1.2540602
A_65_P0525	7234	Detected	5640	Detected	6273.8	Detected	6042.6	Detected	Cdc25a	0.835305502	0.86726569	1.07138298	1.1123759
A_55_P2435	77.1	Detected	130.3	Detected	38.4	Detected	64.4	Detected	Xpo7	0.835278859	0.49805447	0.49424405	0.2947045
A_51_P2031	1285.2	Detected	833.2	Detected	446.7	Detected	1073.5	Detected	Apobr	0.835278556	0.34757236	1.28840614	0.5361258
A_55_P2087	75783.9	Detected	62102.5	Detected	60777.7	Detected	63300.3	Detected	Dnaja1	0.835273719	0.80198697	1.01928747	0.9786675
A_55_P2027	2715.8	Detected	2284.1	Detected	1956.2	Detected	2268.4	Detected	Zcchc2	0.835260328	0.72030341	0.9931264	0.8564424
A_51_P2644	17.6	Detected	15.4	Not Detect	19.7	Detected	14.7	Not Detect	Ralgapa2	0.835227273	1.11931818	0.95454545	1.2792208
A_55_P2153	6923.3	Detected	5601.6	Detected	6544.8	Detected	5781.2	Detected	Zfp386	0.835035316	0.94532954	1.03206227	1.1683805
A_55_P2000	44.2	Detected	52.6	Detected	37.8	Detected	36.9	Not Detect	Chek1	0.834841629	0.85520362	0.70152091	0.7186312
A_55_P1966	126319.2	Detected	119103.2	Detected	107922	Detected	105452.6	Detected	Cyp2u1	0.834810543	0.85435943	0.88538847	0.9061217
A_51_P4071	1864.1	Detected	1487.9	Detected	2047.5	Detected	1556.1	Detected	Clp1	0.834772813	1.09838528	1.04583641	1.3761005
A_55_P2086	7526.8	Detected	7146.6	Detected	6446.6	Detected	6283.1	Detected	Recql4	0.834763777	0.85648616	0.87917331	0.9020513
A_51_P3497	340	Detected	546.5	Detected	848.9	Detected	283.8	Detected	Slc25a45	0.834705882	2.49676471	0.51930467	1.5533394
A_52_P5807	393.6	Detected	386.1	Detected	339.2	Detected	328.5	Detected	Zfp781	0.834603659	0.86178862	0.85081585	0.8785289

A_55_P2109	87257	Detected	83775.9	Detected	82204.1	Detected	72824.9	Detected	Ppp1r14b	0.834602381	0.94209175	0.86928222	0.981238
A_52_P6254	3642.5	Detected	2878.5	Detected	2998.6	Detected	3039.8	Detected	Hnrnpa0	0.834536719	0.82322581	1.05603613	1.0417231
A_51_P2324	3996.5	Detected	2828.3	Detected	2638.8	Detected	3335.1	Detected	BC018507	0.834505192	0.66027774	1.17918891	0.9329986
A_55_P1978	57.4	Detected	49.8	Detected	59.8	Detected	47.9	Not Detect	Wasf3	0.834494774	1.04181185	0.96184739	1.2008032
A_51_P1765	14646.7	Detected	12409	Detected	15104.5	Detected	12222.4	Detected	Ntmt1	0.834481487	1.03125619	0.98496253	1.2172214
A_55_P1983	49536.2	Detected	45998.8	Detected	48603.8	Detected	41336.3	Detected	Srsf7	0.834466511	0.9811774	0.89863866	1.0566319
A_55_P2143	74482	Detected	70058.4	Detected	67229.3	Detected	62151.3	Detected	Gps1	0.834447249	0.9026248	0.88713559	0.959618
A_55_P2136	11080.5	Detected	9695.7	Detected	12749.8	Detected	9246	Detected	Dpy30	0.834438879	1.15065205	0.95361861	1.3149953
A_55_P2152	113970.9	Detected	138248.3	Detected	106809.1	Detected	95097.3	Detected	Mybbp1a	0.834399834	0.93716115	0.6878732	0.7725889
A_55_P2279	205.8	Detected	186.4	Detected	141.9	Detected	171.7	Detected	2900076A07Rik	0.834305151	0.68950437	0.92113734	0.7612661
A_51_P4952	10826.2	Detected	11634.4	Detected	5178.4	Detected	9031.8	Detected	Gpx8	0.83425394	0.47832111	0.77630131	0.4450939
A_55_P2064	28047.8	Detected	22307.2	Detected	25617.5	Detected	23398.9	Detected	Fam89b	0.834250815	0.91335149	1.04893936	1.148396
A_55_P1999	129.6	Detected	135.3	Detected	130.1	Detected	108.1	Detected	Adam17	0.834104938	1.00385802	0.79896526	0.9615669
A_55_P1988	244.7	Detected	186.5	Detected	196.7	Detected	204.1	Detected	Stom	0.83408255	0.80384144	1.09436997	1.0546917
A_52_P5228	14786.6	Detected	12283.6	Detected	12160.4	Detected	12333.2	Detected	Zfp442	0.834079504	0.82239325	1.0040379	0.9899704
A_55_P2052	2263.2	Detected	2119.1	Detected	2383.2	Detected	1887.6	Detected	Nadk2	0.834040297	1.05302227	0.89075551	1.1246284
A_55_P1996	2155.6	Detected	1746.3	Detected	1427.4	Detected	1797.7	Detected	Prnp	0.833967341	0.66218222	1.02943366	0.8173853
A_55_P2159	26.5	Detected	17.5	Not Detect	31.2	Detected	22.1	Not Detect	Vmn2r27	0.833962264	1.17735849	1.26285714	1.7828571
A_51_P2920	8375.6	Detected	5632.6	Detected	12458.7	Detected	6984	Detected	Haghl	0.833850709	1.4874994	1.23992472	2.2118915
A_55_P2096	773.3	Detected	741.1	Detected	933.6	Detected	644.8	Detected	Styk1	0.833829044	1.20729342	0.87005802	1.259749
A_51_P2798	11149.1	Detected	9288.6	Detected	11582.9	Detected	9295.7	Detected	Ndufa11	0.833762366	1.03890897	1.00076438	1.2470017
A_55_P2057	161.8	Detected	94.3	Detected	113.9	Detected	134.9	Detected	Zfp12	0.833745365	0.7039555	1.43054083	1.2078473
A_52_P5613	7473.3	Detected	5263.7	Detected	6826.9	Detected	6230.1	Detected	Fam160b1	0.833647786	0.91350541	1.18359709	1.2969774
A_55_P2033	201.1	Detected	130.4	Detected	195	Detected	167.6	Detected	Mrrf	0.833416211	0.96966683	1.28527607	1.4953988
A_55_P1969	202.2	Detected	141.6	Detected	129.1	Detected	168.5	Detected	Morf4l2	0.833333333	0.63847676	1.18997175	0.9117232
A_66_P1392	2212.1	Detected	2304	Detected	2225.3	Detected	1843.4	Detected	Rbpj	0.833325799	1.00596718	0.80008681	0.965842
A_55_P2049	17918.3	Detected	14169.9	Detected	15040.9	Detected	14931.7	Detected	Ube2a	0.833321241	0.83941557	1.05376185	1.0614683
A_55_P2095	7265.6	Detected	5683.2	Detected	7331.9	Detected	6054	Detected	Evi5	0.833241577	1.00912519	1.06524493	1.2901006
A_51_P4435	5238	Detected	5066	Detected	4771.5	Detected	4364.5	Detected	Mum1	0.833237877	0.91093929	0.86152783	0.9418674
A_55_P1992	134.9	Detected	120.6	Detected	130.6	Detected	112.4	Detected	Dnaja1	0.833209785	0.96812454	0.93200663	1.0829187
A_52_P4562	23377.3	Detected	16220.6	Detected	21132.7	Detected	19477.6	Detected	Tmem167	0.833184328	0.90398378	1.20079405	1.302831
A_52_P1654	128.2	Detected	112.7	Detected	98.4	Detected	106.8	Detected	Wwp1	0.833073323	0.7675507	0.94764862	0.8731145
A_66_P1322	13429.5	Detected	5410.7	Detected	14008	Detected	11186.1	Detected	Mlph	0.832949849	1.04307681	2.06740348	2.5889441
A_55_P2001	75.4	Detected	48.6	Detected	96.9	Detected	62.8	Detected	Zscan29	0.832891247	1.28514589	1.29218107	1.9938272
A_52_P3849	6628.6	Detected	8465.7	Detected	6541	Detected	5520.6	Detected	Wdr43	0.832845548	0.98678454	0.65211382	0.7726473
A_51_P4957	674.6	Detected	505.3	Detected	723.5	Detected	561.8	Detected	1700049L16Rik	0.832789801	1.0724874	1.11181476	1.4318227
A_55_P1989	25271.5	Detected	15573.5	Detected	25380.6	Detected	21045	Detected	Hmgn1	0.832756267	1.00431712	1.351334	1.62973
A_55_P1975	67927.9	Detected	65589.6	Detected	59226.1	Detected	56561.6	Detected	Hemgn	0.832671112	0.87189653	0.86235623	0.90298
A_55_P1975	48.4	Detected	42.1	Detected	61.9	Detected	40.3	Not Detect	Apoc1	0.832644628	1.27892562	0.95724466	1.4703088
A_66_P1306	46.6	Detected	42.7	Detected	34.8	Detected	38.8	Not Detect	Gm9979	0.832618026	0.74678112	0.90866511	0.8149883

A_51_P1787	6018.7	Detected	5058.2	Detected	6207.3	Detected	5011.1	Detected	Hibch	0.832588433	1.03133567	0.99068839	1.2271757
A_51_P2860	22.1	Detected	27	Detected	15.5	Not Detect	18.4	Not Detect	LOC101055743	0.832579186	0.70135747	0.68148148	0.5740741
A_52_P2865	814.6	Detected	419.3	Detected	455.9	Detected	678.2	Detected	Slc23a2	0.832555856	0.55966118	1.61745767	1.0872883
A_51_P1473	15366.3	Detected	13507.5	Detected	18856.7	Detected	12791.8	Detected	Dpp3	0.832458041	1.22714642	0.94701462	1.396017
A_66_P1247	176	Detected	155.5	Detected	146.3	Detected	146.5	Detected	Zfp606	0.832386364	0.83125	0.94212219	0.940836
A_55_P2010	420.6	Detected	385.7	Detected	431.5	Detected	350.1	Detected	Gm10509	0.832382311	1.02591536	0.90770029	1.1187451
A_55_P2015	13425.2	Detected	10896.4	Detected	12961.1	Detected	11174.1	Detected	Asnsd1	0.832322796	0.96543068	1.02548548	1.1894846
A_66_P1037	5383.4	Detected	3935.9	Detected	4760.7	Detected	4480.6	Detected	AI606181	0.83229929	0.88432961	1.13839274	1.2095582
A_55_P1977	4248.6	Detected	2637.2	Detected	2801.1	Detected	3535.3	Detected	Galk2	0.832109401	0.65929953	1.34055058	1.0621492
A_51_P1610	948	Detected	743.9	Detected	624.5	Detected	788.8	Detected	Cep170	0.832067511	0.65875527	1.06035757	0.8394946
A_55_P2080	29721.7	Detected	26545.9	Detected	28026.2	Detected	24728.2	Detected	Taf9	0.831991441	0.94295414	0.93152615	1.0557638
A_55_P2119	12513.7	Detected	12457.5	Detected	11237.5	Detected	10411	Detected	Rasl2-9	0.831968163	0.89801577	0.83572145	0.902067
A_51_P2610	2050.6	Detected	1897.1	Detected	2203.4	Detected	1705.7	Detected	Mtf2	0.831805325	1.07451478	0.89910917	1.161457
A_51_P4403	41009.2	Detected	32136.1	Detected	44948.2	Detected	34111.3	Detected	Bcap31	0.83179628	1.09605162	1.06146359	1.3986825
A_55_P2440	1455.2	Detected	1420.6	Detected	1544.7	Detected	1210.4	Detected	Wdhd1	0.831775701	1.06150357	0.85203435	1.0873575
A_51_P4878	63236.9	Detected	31179.1	Detected	37279	Detected	52596	Detected	Lxn	0.831729576	0.5895134	1.68689924	1.1956407
A_55_P2017	69529.1	Detected	53728.5	Detected	55437.2	Detected	57827	Detected	2810417H13Rik	0.831694931	0.79732371	1.07628168	1.0318025
A_55_P2088	1367.4	Detected	1412.8	Detected	532	Detected	1137.2	Detected	Scarb1	0.831651309	0.38905953	0.80492639	0.3765572
A_55_P1997	64218.2	Detected	61006.8	Detected	54798.7	Detected	53398	Detected	Mtfr2	0.831508825	0.8533204	0.87527948	0.8982392
A_55_P1960	157903	Detected	131239.8	Detected	147308.8	Detected	131272.8	Detected	Rps4x	0.831350893	0.93290691	1.00025145	1.12244
A_51_P2079	387.7	Detected	226.9	Detected	83.7	Detected	322.3	Detected	Ptger4	0.831312871	0.21588857	1.42044954	0.368885
A_55_P2009	16559	Detected	11847.9	Detected	16485.2	Detected	13765.2	Detected	Ttc3	0.831282082	0.99554321	1.16182615	1.3914027
A_51_P3907	11298	Detected	13669.1	Detected	9291.2	Detected	9391.2	Detected	Ube2e1	0.831226766	0.82237564	0.68703865	0.6797229
A_55_P2183	902	Detected	543.1	Detected	742.8	Detected	749.7	Detected	Foxd2os	0.831152993	0.82350333	1.38040876	1.3677039
A_55_P2109	31045.2	Detected	21276.7	Detected	29166.7	Detected	25802.7	Detected	Nans	0.831133315	0.93949145	1.21272096	1.3708282
A_55_P1981	17344.2	Detected	17954.5	Detected	15444.2	Detected	14414.9	Detected	Nup88	0.831107805	0.89045329	0.80285722	0.8601855
A_55_P2004	53550.6	Detected	45535.6	Detected	48184.1	Detected	44500.2	Detected	Tacc3	0.83099349	0.89978637	0.97726175	1.0581633
A_52_P4177	63.9	Detected	56.8	Detected	106.1	Detected	53.1	Detected	Olfrl1170	0.830985915	1.66040689	0.93485915	1.8679577
A_55_P1991	105.9	Detected	73.8	Detected	94.2	Detected	88	Detected	Mrrf	0.830972616	0.88951841	1.19241192	1.2764228
A_55_P1953	123312.4	Detected	114844.5	Detected	105131.1	Detected	102468.4	Detected	Sema4c	0.830965904	0.85255903	0.89223602	0.9154213
A_52_P5080	26010.4	Detected	24999.7	Detected	24926.4	Detected	21612.7	Detected	Psap	0.830925322	0.95832436	0.86451837	0.997068
A_55_P1978	60.9	Detected	84.3	Detected	62.6	Detected	50.6	Not Detect	Otx2	0.830870279	1.02791461	0.60023725	0.742586
A_55_P1996	11291.2	Detected	4922.2	Detected	8831	Detected	9380.4	Detected	Pofut1	0.830770866	0.7821135	1.90573321	1.7941165
A_55_P1956	1861.5	Detected	1695.5	Detected	1608.7	Detected	1546.2	Detected	Cyb5d2	0.830620467	0.86419554	0.91194338	0.9488057
A_55_P2132	999.1	Detected	703.2	Detected	747.4	Detected	829.8	Detected	Prpf4b	0.830547493	0.74807327	1.18003413	1.0628555
A_52_P5178	65.5	Detected	77	Detected	54.5	Detected	54.4	Detected	Sec1	0.830534351	0.83206107	0.70649351	0.7077922
A_55_P1987	409.8	Detected	270	Detected	355.3	Detected	340.3	Detected	Nbeal1	0.830405076	0.8670083	1.26037037	1.3159259
A_55_P2087	92022.9	Detected	85024.6	Detected	84298.6	Detected	76411.7	Detected	Gps1	0.83035527	0.91606111	0.89870108	0.9914613
A_55_P2105	33135.4	Detected	13033.5	Detected	16813.6	Detected	27513	Detected	Atf5	0.830320443	0.50742107	2.11094487	1.2900295
A_55_P2149	99620.1	Detected	88858.3	Detected	98718.6	Detected	82715.3	Detected	Gm8618	0.830307338	0.99095062	0.93086746	1.1109666

A_55_P2132	12088.8	Detected	9982	Detected	10997.1	Detected	10037	Detected	Tmem248	0.830272649	0.90969327	1.00550992	1.101693
A_55_P2040	205	Detected	199.2	Detected	189.7	Detected	170.2	Detected	Ccnt1	0.830243902	0.92536585	0.85441767	0.9523092
A_55_P2129	236.2	Detected	173.7	Detected	197.9	Detected	196.1	Detected	Prrt1	0.83022862	0.83784928	1.12895797	1.1393207
A_55_P2114	6764	Detected	5589.5	Detected	5871.9	Detected	5615	Detected	Gm8801	0.830130101	0.86811059	1.00456213	1.0505233
A_55_P2210	20.6	Detected	13.9	Not Detect	15.3	Not Detect	17.1	Not Detect	Trcg1	0.830097087	0.74271845	1.23021583	1.1007194
A_55_P2175	4361	Detected	2898.3	Detected	4410.1	Detected	3619.6	Detected	Olf1466	0.829993121	1.01125889	1.24887003	1.5216161
A_55_P2028	95090.9	Detected	85973.1	Detected	78123.5	Detected	78918.8	Detected	Sgsh	0.829930098	0.82156652	0.91794759	0.908697
A_52_P5465	389.8	Detected	260.2	Detected	979.9	Detected	323.5	Detected	Npy4r	0.829912776	2.51385326	1.2432744	3.7659493
A_51_P4004	87	Detected	75.3	Detected	75.3	Detected	72.2	Detected	Pten	0.829885057	0.86551724	0.95883134	1
A_55_P2164	1766.2	Detected	1476.3	Detected	1688	Detected	1465.7	Detected	Rnps1	0.829860718	0.95572415	0.99281989	1.143399
A_55_P1986	14169.7	Detected	9092.2	Detected	10072.8	Detected	11758.4	Detected	Gtf2ird1	0.829827025	0.71086897	1.29324036	1.1078507
A_55_P1965	68908.2	Detected	45460.2	Detected	62967.6	Detected	57180.9	Detected	Spc25	0.829812707	0.91378965	1.25782333	1.3851149
A_55_P2114	2490.7	Detected	1791	Detected	2152.3	Detected	2066.8	Detected	Dpp9	0.829806882	0.86413458	1.15399218	1.2017309
A_52_P5583	18.8	Detected	25.3	Detected	23.3	Detected	15.6	Not Detect	Mapk8	0.829787234	1.2393617	0.61660079	0.9209486
A_52_P8607	2997.2	Detected	2829.9	Detected	3615.9	Detected	2486.8	Detected	Mrpl1	0.829707727	1.206426	0.87875897	1.2777483
A_55_P2027	29822.5	Detected	29752.1	Detected	25763.2	Detected	24742.8	Detected	Phc2	0.829668874	0.86388465	0.83163205	0.8659288
A_55_P2094	21307.7	Detected	15460.9	Detected	21763	Detected	17676.4	Detected	BC085271	0.82957804	1.02136786	1.14329696	1.4076153
A_55_P2114	2349.7	Detected	1719.4	Detected	1929.9	Detected	1949.1	Detected	Zbtb14	0.82951015	0.82133889	1.13359311	1.1224264
A_55_P1967	41688.1	Detected	27206.5	Detected	40392.2	Detected	34578.6	Detected	Ncaph	0.829459726	0.96891439	1.27096833	1.4846526
A_52_P1712	588.1	Detected	271.2	Detected	441	Detected	487.8	Detected	Irs1	0.829450774	0.74987247	1.79867257	1.6261062
A_55_P2050	95764.4	Detected	92304.2	Detected	83932.6	Detected	79427.7	Detected	Cep170b	0.829407379	0.87644887	0.86049931	0.9093042
A_51_P2151	240.6	Detected	152.5	Detected	192.9	Detected	199.5	Detected	Efcab11	0.829177057	0.80174564	1.30819672	1.264918
A_55_P2090	3376.3	Detected	2698.1	Detected	2953.5	Detected	2799.5	Detected	Ptp4a1	0.829162101	0.87477416	1.037582	1.0946592
A_55_P2060	5904	Detected	3573	Detected	5707.9	Detected	4895.1	Detected	Fam45a	0.829115854	0.96678523	1.37002519	1.5975091
A_51_P4848	227.6	Detected	210.4	Detected	202.7	Detected	188.7	Detected	Asgr2	0.829086116	0.89059754	0.89686312	0.963403
A_51_P2623	118672.2	Detected	101647.8	Detected	100493.5	Detected	98388	Detected	Rbm3	0.8290737	0.84681585	0.96793044	0.9886441
A_52_P1067	11333.2	Detected	8223.7	Detected	9425.6	Detected	9395.8	Detected	Ddx46	0.82905093	0.83168037	1.14252709	1.1461508
A_55_P2151	72223.6	Detected	60492.2	Detected	62648.2	Detected	59874.5	Detected	Dynl1f	0.829015723	0.86742007	0.98978877	1.035641
A_51_P4015	184.2	Detected	173	Detected	202.1	Detected	152.7	Detected	Col9a2	0.828990228	1.09717698	0.88265896	1.1682081
A_55_P2056	129.2	Detected	101.6	Detected	40.5	Detected	107.1	Detected	Mtss1l	0.828947368	0.31346749	1.05413386	0.398622
A_55_P2119	131492	Detected	123651.8	Detected	115817.8	Detected	108996.4	Detected	Rasl2-9	0.828920391	0.88079731	0.88147847	0.9366447
A_55_P2016	31249.1	Detected	27436.7	Detected	28080	Detected	25902.8	Detected	Eif3b	0.828913473	0.89858588	0.94409313	1.0234467
A_55_P1994	29447.7	Detected	26088.7	Detected	30949.7	Detected	24407.3	Detected	Ythdf1	0.828835529	1.05100568	0.93555064	1.1863259
A_55_P2035	6746	Detected	5713.7	Detected	3700.9	Detected	5590.3	Detected	Nfil3	0.828683664	0.54860658	0.97840279	0.6477239
A_55_P2148	3102.7	Detected	2153.5	Detected	2615.6	Detected	2571	Detected	Xxylt1	0.828633126	0.8430077	1.19387044	1.2145809
A_55_P2011	56.6	Detected	32.5	Detected	30.8	Detected	46.9	Not Detect	Lyst	0.828621908	0.54416961	1.44307692	0.9476923
A_52_P6237	20264.8	Detected	14304.1	Detected	21758	Detected	16789.6	Detected	Fem1b	0.828510521	1.07368442	1.17376137	1.5211023
A_55_P1981	20955.8	Detected	14672.6	Detected	15904.8	Detected	17361.8	Detected		8-Sep 0.828496168	0.75896888	1.1832804	1.0839797
A_55_P2116	2151.5	Detected	2436	Detected	928.7	Detected	1782.3	Detected	Pfkfb3	0.828398792	0.43165234	0.73165025	0.3812397
A_55_P1999	17301	Detected	16502.8	Detected	16323.2	Detected	14330.9	Detected	Nat10	0.828327842	0.94348304	0.86839203	0.989117

A_51_P1468	3994.4	Detected	2279.8	Detected	2864.8	Detected	3308.2	Detected	Mocs3	0.828209493	0.71720409	1.4510922	1.2566015
A_55_P2040	14435.9	Detected	13486.9	Detected	14014	Detected	11952.5	Detected	Cplx2	0.827970546	0.97077425	0.88623034	1.0390824
A_55_P2077	8611.3	Detected	7032.7	Detected	7830.7	Detected	7129.2	Detected	Zfp513	0.827888937	0.90935167	1.01372161	1.1134699
A_55_P2103	62453.2	Detected	63498.1	Detected	64068.3	Detected	51699.4	Detected	Prdx6	0.827810264	1.02586096	0.81418814	1.0089798
A_52_P4750	1640.9	Detected	1543.6	Detected	1357.7	Detected	1358.1	Detected	Etaa1	0.827655555	0.82741179	0.87982638	0.8795672
A_51_P1013	63.2	Detected	48	Detected	54.4	Detected	52.3	Detected	St6gal1	0.827531646	0.86075949	1.08958333	1.1333333
A_55_P2146	185.5	Detected	175.4	Detected	162.2	Detected	153.5	Detected	Kansl1	0.827493261	0.87439353	0.87514253	0.9247434
A_51_P1409	3430.3	Detected	2367.8	Detected	3099.6	Detected	2838.2	Detected	Pmm2	0.82739119	0.90359444	1.19866543	1.3090633
A_55_P2036	1476.7	Detected	1159.5	Detected	1328.4	Detected	1221.8	Detected	Lrif1	0.827385386	0.89957337	1.05373006	1.1456662
A_51_P2095	3175	Detected	2442.1	Detected	3858.5	Detected	2626.9	Detected	Galnt1	0.827370079	1.21527559	1.07567258	1.5799926
A_55_P2026	14574.9	Detected	14420.4	Detected	14064.1	Detected	12058.6	Detected	Zranb2	0.827353875	0.96495345	0.83621814	0.9752919
A_66_P1261	155.2	Detected	92.6	Detected	120.3	Detected	128.4	Detected	Tubb1	0.827319588	0.77512887	1.38660907	1.2991361
A_52_P5706	1735.2	Detected	1345.6	Detected	1196.2	Detected	1435.4	Detected	Flywch1	0.827224527	0.68937298	1.06673603	0.8889715
A_55_P1991	146763.1	Detected	77984.4	Detected	123057.1	Detected	121401.7	Detected	Fkbp1a	0.827194983	0.83847438	1.5567434	1.5779707
A_52_P2702	2863.6	Detected	2154	Detected	2072.9	Detected	2368.7	Detected	Sgol2	0.827175583	0.72387903	1.09967502	0.9623491
A_55_P2007	5047	Detected	3699.6	Detected	4310	Detected	4174.6	Detected	Vbp1	0.827144839	0.85397266	1.12839226	1.1649908
A_55_P1955	9563.2	Detected	7245.5	Detected	8257.2	Detected	7909.9	Detected	Csrp2bp	0.827118538	0.86343483	1.0916983	1.1396315
A_55_P2177	38834.1	Detected	31328.9	Detected	34574.6	Detected	32120.1	Detected	Srsf3	0.827110709	0.89031547	1.02525464	1.1036008
A_51_P4953	6962.9	Detected	5853.8	Detected	4721.5	Detected	5758.8	Detected	Fhod1	0.827069181	0.6780939	0.98377123	0.8065701
A_66_P1181	26.6	Detected	20.5	Detected	19	Detected	22	Not Detect	Gm11669	0.827067669	0.71428571	1.07317073	0.9268293
A_55_P2029	11846.4	Detected	10963.5	Detected	11730.9	Detected	9797.7	Detected	LOC101055813	0.827061386	0.9902502	0.89366534	1.0699959
A_55_P2062	70788.9	Detected	46877.2	Detected	67264.4	Detected	58538.6	Detected	Tsen34	0.826946032	0.95021112	1.24876486	1.4349065
A_52_P4578	236.9	Detected	141.6	Detected	215	Detected	195.9	Detected	Ptrf	0.826931195	0.90755593	1.38347458	1.5183616
A_55_P1966	56540.5	Detected	53793.7	Detected	49051.4	Detected	46753.8	Detected	Srek1	0.826908145	0.8675445	0.86913152	0.9118428
A_55_P1971	17618.5	Detected	12260.5	Detected	16212.4	Detected	14566.7	Detected	Lage3	0.826784346	0.92019184	1.1881	1.3223278
A_55_P2053	38.1	Detected	78.9	Detected	35.9	Detected	31.5	Not Detect	Acbd7	0.826771654	0.94225722	0.39923954	0.4550063
A_55_P2097	32.9	Detected	31.4	Detected	29.5	Detected	27.2	Not Detect	Strm	0.82674772	0.89665653	0.86624204	0.9394904
A_55_P2090	744.5	Detected	651.4	Detected	540	Detected	615.5	Detected	Casp8ap2	0.826729349	0.72531901	0.94488793	0.8289837
A_52_P1118	6850.9	Detected	4800.1	Detected	5806	Detected	5663.5	Detected	Naa50	0.826679706	0.84747989	1.17987125	1.2095581
A_55_P2009	26231.6	Detected	15840.1	Detected	27191.4	Detected	21684.4	Detected	Ccrn4l	0.826651825	1.03658946	1.368956	1.716618
A_55_P1983	239.9	Detected	250.4	Detected	289.4	Detected	198.3	Detected	Pxmp4	0.826594414	1.20633597	0.79193291	1.1557508
A_66_P1097	1567.7	Detected	1091.7	Detected	1553.2	Detected	1295.7	Detected	Hn1l	0.826497417	0.99075078	1.18686452	1.4227352
A_52_P2434	525	Detected	316.5	Detected	279.1	Detected	433.9	Detected	Ulk2	0.82647619	0.53161905	1.37093207	0.8818325
A_55_P2160	36.3	Detected	28.8	Detected	39.6	Detected	30	Not Detect	Gm5602	0.826446281	1.09090909	1.04166667	1.375
A_51_P5017	647.8	Detected	555	Detected	500	Detected	535.2	Detected	Rgmb	0.82618092	0.77184316	0.96432432	0.9009009
A_51_P4735	25849	Detected	26463.4	Detected	26482.6	Detected	21355.9	Detected	Apex1	0.826178962	1.02451159	0.80699759	1.0007255
A_51_P4696	6221.1	Detected	4092.4	Detected	5911.1	Detected	5139.4	Detected	Stk38	0.826123997	0.95016958	1.25584009	1.4444091
A_51_P2468	251.9	Detected	139.5	Detected	203.8	Detected	208.1	Detected	Acta1	0.826121477	0.80905121	1.49175627	1.4609319
A_55_P2011	8838.6	Detected	6386	Detected	7569.2	Detected	7301	Detected	Anapc5	0.826035798	0.85637997	1.14328218	1.1852803
A_55_P2148	11015.4	Detected	9790.9	Detected	10329.9	Detected	9098.9	Detected	Cplx2	0.826016304	0.93776894	0.92932213	1.0550511

A_55_P1972	6570.6	Detected	4828.5	Detected	5060.7	Detected	5427.3	Detected	Slc25a14	0.825997626	0.77020363	1.12401367	1.0480895
A_55_P2197	31.6	Detected	41.5	Detected	33.7	Detected	26.1	Not Detect	2010004M13Rik	0.825949367	1.0664557	0.62891566	0.8120482
A_55_P2112	324	Detected	235	Detected	187.8	Detected	267.6	Detected	Cdk5rap2	0.825925926	0.57962963	1.1387234	0.7991489
A_55_P2042	89749.1	Detected	86864.6	Detected	78137.5	Detected	74122.1	Detected	Arl6ip6	0.825881262	0.87062154	0.85330618	0.8995321
A_55_P1978	2726.1	Detected	1817.2	Detected	2201.3	Detected	2251.3	Detected	Zfp318	0.825831774	0.80749055	1.238884	1.2113691
A_55_P2046	197199.2	Detected	167386.9	Detected	197052.3	Detected	162849.8	Detected	Atp5g3	0.825813695	0.99925507	0.97289453	1.1772265
A_55_P2251	234.2	Detected	148.3	Detected	151.7	Detected	193.4	Detected	Mpp2	0.825789923	0.64773698	1.30411328	1.0229265
A_55_P1956	543.5	Detected	230.8	Detected	150	Detected	448.8	Detected	Rnf157	0.82575897	0.27598896	1.94454073	0.6499133
A_55_P2237	10.9	Not Detect	5.2	Not Detect	19	Detected	9	Not Detect	LOC552873	0.825688073	1.74311927	1.73076923	3.6538462
A_55_P2107	10.9	Not Detect	32.4	Detected	3.2	Not Detect	9	Not Detect	Cabyr	0.825688073	0.29357798	0.27777778	0.0987654
A_55_P1976	69458.3	Detected	56973.8	Detected	68513.6	Detected	57349.6	Detected	Cnih4	0.825669502	0.98639903	1.00659601	1.2025457
A_55_P1972	1557.6	Detected	1062.4	Detected	1253.4	Detected	1286	Detected	Mtcp1	0.825629173	0.80469954	1.21046687	1.1797816
A_55_P2172	1333.6	Detected	802.5	Detected	1229.1	Detected	1101	Detected	B4galt1	0.825584883	0.92164067	1.37196262	1.5315888
A_51_P4015	2353	Detected	2587.7	Detected	2207.5	Detected	1942.5	Detected	Rnmtl1	0.825541861	0.93816405	0.75066662	0.8530742
A_52_P5601	65.3	Detected	659.2	Detected	50.1	Detected	53.9	Detected	Gm22	0.825421133	0.76722818	0.08176578	0.0760012
A_55_P2048	292269.3	Detected	271424.6	Detected	275748.6	Detected	241244.5	Detected	Hsp90ab1	0.825418544	0.94347439	0.88880853	1.0159308
A_55_P1985	39.5	Detected	45.1	Detected	29.9	Detected	32.6	Not Detect	Ghrh	0.825316456	0.75696203	0.72283814	0.6629712
A_51_P2021	149.4	Detected	92.8	Detected	92.2	Detected	123.3	Detected	Tom1l2	0.825301205	0.61713521	1.32866379	0.9935345
A_55_P2170	34266	Detected	28256.8	Detected	31358.8	Detected	28273.2	Detected	Taf9	0.825109438	0.91515788	1.00058039	1.1097789
A_52_P1493	2384.8	Detected	2058.5	Detected	2205.4	Detected	1967.7	Detected	Usp40	0.825100637	0.92477357	0.95589021	1.0713626
A_55_P1986	12	Not Detect	25.9	Detected	7.5	Not Detect	9.9	Not Detect	Tubgcp4	0.825	0.625	0.38223938	0.2895753
A_55_P2029	23.4	Detected	16.3	Not Detect	15	Not Detect	19.3	Not Detect	Gm5544	0.824786325	0.64102564	1.18404908	0.9202454
A_55_P2015	77752.3	Detected	88535.7	Detected	68052.4	Detected	64128.9	Detected	Nap1l1	0.824784604	0.87524613	0.72432815	0.7686436
A_51_P3254	31009.8	Detected	23949.4	Detected	26793.6	Detected	25568.3	Detected	Utp3	0.824523215	0.86403653	1.06759668	1.1187587
A_55_P1971	96.3	Detected	178.5	Detected	6.5	Not Detect	79.4	Detected	Cd1d1	0.82450675	0.0674974	0.44481793	0.0364146
A_51_P4669	63965	Detected	48592.8	Detected	64357.6	Detected	52738.7	Detected	Pgp	0.824493082	1.00613773	1.08531922	1.3244267
A_51_P1662	4994.1	Detected	3448.3	Detected	3889.5	Detected	4117.4	Detected	Osbpl1a	0.824452854	0.77881901	1.19403764	1.1279471
A_55_P2161	68.9	Detected	59.7	Detected	46.2	Detected	56.8	Detected	AU017193	0.824383164	0.67053701	0.95142379	0.7738693
A_55_P2088	73074.6	Detected	70638.9	Detected	66428.6	Detected	60241.2	Detected	Fam160b2	0.82437947	0.90905185	0.8528049	0.9403969
A_52_P2324	34.7	Detected	35.8	Detected	36.6	Detected	28.6	Not Detect	Olfrl419	0.824207493	1.05475504	0.79888268	1.0223464
A_66_P1389	331.5	Detected	241.9	Detected	231.8	Detected	273.2	Detected	Plxna2	0.82413273	0.69924585	1.12939231	0.9582472
A_55_P2013	789.8	Detected	277	Detected	532	Detected	650.9	Detected	Renbp	0.824132692	0.67358825	2.34981949	1.9205776
A_55_P2021	1586.4	Detected	1417.4	Detected	1297.7	Detected	1307.4	Detected	Zmym4	0.824130106	0.81801563	0.92239311	0.9155496
A_51_P2925	84.7	Detected	103.3	Detected	38.4	Detected	69.8	Detected	P4htm	0.824085006	0.45336482	0.67570184	0.3717328
A_55_P2207	10.8	Not Detect	14.4	Not Detect	18.2	Detected	8.9	Not Detect	AA414993	0.824074074	1.68518519	0.61805556	1.2638889
A_55_P2175	62.5	Detected	67.1	Detected	49.6	Detected	51.5	Detected	Sfxn5	0.824	0.7936	0.76751118	0.7391952
A_55_P2119	15021.9	Detected	14814.5	Detected	13139	Detected	12377.1	Detected	Vma21	0.823937052	0.87465634	0.835472	0.8869013
A_52_P5033	865.9	Detected	766.9	Detected	789.4	Detected	713.4	Detected	Slc4a1ap	0.823882665	0.91165262	0.93023862	1.0293389
A_55_P2015	75203.6	Detected	59670.2	Detected	79800.4	Detected	61953.3	Detected	Tceb2	0.823807637	1.06112473	1.03826198	1.3373577
A_55_P2089	71790.8	Detected	74664.3	Detected	68743.3	Detected	59141.4	Detected	Hspe1	0.823801936	0.95755027	0.79209743	0.9206984

A_51_P3883	47.1 Detected	135.7 Detected	42 Detected	38.8 Not Detect	Aff3	0.823779193	0.89171975	0.28592483	0.3095063
A_55_P1992	23406.7 Detected	21795.3 Detected	26544.9 Detected	19281.6 Detected	Bloc1s1	0.823764136	1.13407272	0.8846678	1.2179185
A_51_P1851	14254.2 Detected	13034.3 Detected	16729.1 Detected	11741.4 Detected	Dpy30	0.823715116	1.17362602	0.90080787	1.2834675
A_55_P2101	5179.8 Detected	5600.2 Detected	3644.1 Detected	4266.4 Detected	Dscc1	0.823661145	0.70352137	0.76182993	0.6507089
A_52_P1022	1191.1 Detected	555.3 Detected	736.1 Detected	980.9 Detected	Mex3b	0.823524473	0.61800017	1.76643256	1.3255898
A_55_P2013	26714.4 Detected	22188.3 Detected	20306 Detected	21999.4 Detected	Dmwd	0.823503429	0.7601144	0.9914865	0.915167
A_51_P1659	1376.5 Detected	1181.2 Detected	1324.2 Detected	1133.5 Detected	Zfp770	0.823465311	0.96200509	0.95961734	1.1210633
A_55_P2027	25866.2 Detected	23989.8 Detected	22020.4 Detected	21297.6 Detected	Serpinb8	0.823375679	0.85131948	0.88777731	0.9179068
A_51_P4798	6208.5 Detected	2550.4 Detected	5638.9 Detected	5111.9 Detected	Lonrf3	0.823371185	0.90825481	2.00435226	2.2109865
A_51_P2068	18.1 Detected	13.9 Not Detect	15.4 Not Detect	14.9 Not Detect	Rufy2	0.82320442	0.85082873	1.07194245	1.1079137
A_55_P1969	33254.9 Detected	32559.7 Detected	24645.6 Detected	27375.5 Detected	Fxr2	0.823201994	0.74111184	0.84077863	0.7569357
A_55_P2000	5209.6 Detected	4081.4 Detected	4690.9 Detected	4288.5 Detected	Stag1	0.8231918	0.90043381	1.05074239	1.149336
A_55_P2007	16.4 Detected	17.1 Not Detect	14 Not Detect	13.5 Not Detect	Tmem151b	0.823170732	0.85365854	0.78947368	0.8187135
A_66_P1090	2693.6 Detected	2066.3 Detected	2073.9 Detected	2217.2 Detected	Brd9	0.823136323	0.76993614	1.07302909	1.0036781
A_55_P1953	29171 Detected	18624.9 Detected	26877.3 Detected	24009.3 Detected	Ctnnd1	0.823053718	0.92137054	1.28909685	1.4430843
A_55_P2145	11.3 Not Detect	20.8 Detected	3.4 Not Detect	9.3 Not Detect	Btnl9	0.82300885	0.30088496	0.44711538	0.1634615
A_55_P2066	36788.7 Detected	33627.2 Detected	30929.3 Detected	30271.9 Detected	Trim27	0.82285865	0.84072827	0.90022065	0.9197703
A_52_P5840	23264.1 Detected	31805.6 Detected	29073.6 Detected	19142.3 Detected	Pop1	0.822825727	1.24971952	0.60185313	0.9141032
A_55_P1982	2309.9 Detected	2112.7 Detected	2094.4 Detected	1900.5 Detected	Rad51d	0.82276289	0.90670592	0.8995598	0.9913381
A_55_P2062	88331.3 Detected	70089.4 Detected	66205.3 Detected	72674 Detected	Nono	0.822743467	0.74951122	1.03687576	0.9445836
A_55_P2058	2679.1 Detected	2588.8 Detected	2512.8 Detected	2204.2 Detected	Smek2	0.82273898	0.93792692	0.85143696	0.9706428
A_55_P2123	1398.9 Detected	1371.4 Detected	1332.9 Detected	1150.9 Detected	Kpna3	0.82271785	0.95282007	0.8392154	0.9719265
A_55_P2084	757.5 Detected	593 Detected	1777.5 Detected	623.2 Detected	Gcnt1	0.822706271	2.34653465	1.05092749	2.9974705
A_55_P1989	13066.7 Detected	10777.2 Detected	11462.7 Detected	10748.6 Detected	Tbca	0.82259484	0.87724521	0.99734625	1.0636065
A_65_P1695	49492.2 Detected	58302 Detected	38501.3 Detected	40711.4 Detected	Ywhaq	0.822582144	0.77792662	0.69828479	0.660377
A_55_P2149	179.8 Detected	146.7 Detected	113.5 Detected	147.9 Detected	Tubgcp5	0.822580645	0.63125695	1.00817996	0.7736878
A_52_P6635	386.6 Detected	354.6 Detected	560.9 Detected	318 Detected	Nmrk1	0.822555613	1.4508536	0.89678511	1.5817823
A_51_P4618	6833.6 Detected	5838.7 Detected	5467.7 Detected	5621 Detected	Abl2	0.822553266	0.80012	0.9627143	0.9364585
A_52_P1268	4818.2 Detected	3288.3 Detected	3477.2 Detected	3962.5 Detected	Cramp1l	0.822402557	0.7216803	1.20502995	1.0574461
A_52_P2849	1616.9 Detected	1745.4 Detected	1243.3 Detected	1329.7 Detected	Ubt2	0.822376152	0.76894057	0.7618311	0.7123296
A_51_P2582	1658.6 Detected	1279.3 Detected	1256.8 Detected	1363.8 Detected	Gal	0.822259737	0.7577475	1.06605175	0.9824123
A_51_P2223	6212.2 Detected	4698.6 Detected	5043.3 Detected	5107.4 Detected	Tbc1d10a	0.822156402	0.811838	1.08700464	1.0733623
A_52_P4918	5321.9 Detected	4166.3 Detected	4959.8 Detected	4375.1 Detected	Stag1	0.822093613	0.93196039	1.05011641	1.1904568
A_55_P2019	644.7 Detected	292.4 Detected	424.7 Detected	530 Detected	Cma2	0.822087793	0.65875601	1.8125855	1.4524624
A_55_P1955	71890.1 Detected	67600.5 Detected	58724.7 Detected	59096.4 Detected	Rad51c	0.822038083	0.81686769	0.87420063	0.8687022
A_51_P2368	1140 Detected	764.3 Detected	352.4 Detected	937.1 Detected	Parp8	0.822017544	0.30912281	1.22608923	0.4610755
A_55_P2019	2256.3 Detected	2326.1 Detected	2392.3 Detected	1854.7 Detected	Gxylt1	0.822009485	1.06027567	0.79734319	1.0284597
A_55_P2093	27989 Detected	24578 Detected	27433.3 Detected	23004.3 Detected	Ube2d2a	0.821905034	0.98014577	0.93597119	1.116173
A_51_P5154	3149.4 Detected	2607.1 Detected	3230.5 Detected	2588.4 Detected	Fkbp1	0.821870833	1.02575094	0.99282728	1.2391163
A_55_P2094	3569.2 Detected	2844.1 Detected	2957.1 Detected	2933.3 Detected	Erp29	0.821836826	0.82850499	1.03136317	1.0397314

A_55_P2033	6330.8	Detected	5293.3	Detected	5763.6	Detected	5202.5	Detected	Fastkd3	0.821776079	0.91040627	0.98284624	1.0888482
A_55_P1995	18198.7	Detected	14346.5	Detected	15201.3	Detected	14955.2	Detected	Top2a	0.821772984	0.83529593	1.04242847	1.0595825
A_55_P1999	27230.2	Detected	28833.7	Detected	24549.1	Detected	22368	Detected	Thoc7	0.8214409	0.90153947	0.77575892	0.851403
A_51_P1508	11.2	Not Detect	103.5	Detected	4.6	Not Detect	9.2	Not Detect	Lypd3	0.821428571	0.41071429	0.08888889	0.0444444
A_55_P1962	356.5	Detected	298.9	Detected	274.8	Detected	292.8	Detected	LOC100045326	0.821318373	0.77082749	0.97959184	0.919371
A_51_P4535	34544.8	Detected	27730.5	Detected	40084.3	Detected	28370.9	Detected	Zdhhc16	0.821278456	1.16035699	1.02309371	1.445495
A_55_P2083	527.6	Detected	431.5	Detected	601.1	Detected	433.3	Detected	Mettl21a	0.821266111	1.13931008	1.00417149	1.3930475
A_51_P5176	2920.5	Detected	949	Detected	565.9	Detected	2398.5	Detected	Ly6f	0.821263482	0.19376819	2.52739726	0.5963119
A_51_P1765	56.5	Detected	86.5	Detected	47.5	Detected	46.4	Not Detect	1700109H08Rik	0.821238938	0.84070796	0.53641618	0.5491329
A_52_P4902	338.4	Detected	236.3	Detected	256.6	Detected	277.9	Detected	Ermard	0.821217494	0.75827423	1.1760474	1.0859077
A_51_P2347	6823.8	Detected	6615.4	Detected	8370	Detected	5603.7	Detected	Lpar6	0.821199332	1.22658929	0.84706896	1.2652296
A_55_P2011	15.1	Detected	26.1	Detected	7.1	Not Detect	12.4	Not Detect	Hopx	0.821192053	0.47019868	0.47509579	0.2720307
A_55_P2075	91.1	Detected	56.4	Detected	71.1	Detected	74.8	Detected	Zfp619	0.821075741	0.78046103	1.32624113	1.2606383
A_52_P3665	5250.1	Detected	3960.5	Detected	3796	Detected	4310.7	Detected	Slain2	0.821070075	0.72303385	1.08842318	0.9584648
A_55_P2065	376.6	Detected	288.9	Detected	230.5	Detected	309.2	Detected	Kdm2b	0.821030271	0.61205523	1.07026653	0.7978539
A_55_P1959	25.7	Detected	20.6	Detected	22.4	Detected	21.1	Not Detect	Dlgap1	0.821011673	0.87159533	1.02427184	1.0873786
A_52_P2389	432.7	Detected	451.6	Detected	366.3	Detected	355.2	Detected	Smg8	0.820892073	0.84654495	0.78653676	0.811116
A_52_P4853	41761.4	Detected	33648.2	Detected	39968.7	Detected	34280	Detected	Ube2k	0.820853707	0.9570728	1.01877664	1.1878407
A_55_P1993	13669	Detected	12239	Detected	13771.5	Detected	11218.9	Detected	Nsa2	0.820754993	1.00749872	0.91665169	1.1252145
A_52_P1102	19334.3	Detected	13528.2	Detected	19174.7	Detected	15868.5	Detected	Nelfe	0.820743446	0.99174524	1.17299419	1.4173874
A_52_P4764	4283.4	Detected	3770.4	Detected	3411.9	Detected	3515.2	Detected	Cul3	0.820656488	0.79654013	0.93231487	0.9049173
A_55_P2146	103049.2	Detected	95826.3	Detected	89484.4	Detected	84560	Detected	Zcchc9	0.820578908	0.86836579	0.88242998	0.9338188
A_55_P2174	152.7	Detected	121.3	Detected	137.9	Detected	125.3	Detected	Svopl	0.820563196	0.90307793	1.03297609	1.1368508
A_51_P2551	5949.5	Detected	4529.7	Detected	4920.5	Detected	4881.8	Detected	Faf2	0.820539541	0.82704429	1.07773142	1.086275
A_55_P1970	5609.9	Detected	5002	Detected	4914.9	Detected	4603.1	Detected	Srsf10	0.82053156	0.87611187	0.9202519	0.982587
A_55_P2003	7323	Detected	4074.9	Detected	6180.9	Detected	6008.6	Detected	Taf4a	0.82051072	0.84403933	1.47453925	1.5168225
A_55_P2229	24.5	Detected	22.5	Detected	49.3	Detected	20.1	Not Detect	E430022K19Rik	0.820408163	2.0122449	0.89333333	2.1911111
A_52_P9028	1405.4	Detected	1024.6	Detected	1274.3	Detected	1152.9	Detected	Oaz2	0.820335847	0.90671695	1.1252196	1.2437049
A_52_P4933	55.1	Detected	45.7	Detected	49	Detected	45.2	Not Detect	Zfp866	0.820326679	0.8892922	0.98905908	1.0722101
A_55_P1959	5461.7	Detected	4502.8	Detected	4696.3	Detected	4479.5	Detected	Zfp511	0.820165882	0.85986048	0.99482544	1.0429733
A_55_P2424	29959.4	Detected	27783.7	Detected	26038.8	Detected	24571.5	Detected	Hecw1	0.82015995	0.86913623	0.88438545	0.937197
A_52_P1506	106.7	Detected	107.2	Detected	97	Detected	87.5	Detected	Cog5	0.820056232	0.90909091	0.81623134	0.9048507
A_55_P2110	1174.8	Detected	963.3	Detected	1188.4	Detected	963.4	Detected	Ubox5	0.820054477	1.01157644	1.00010381	1.2336759
A_55_P2200	675.6	Detected	320.2	Detected	428.6	Detected	554	Detected	LOC552902	0.820011841	0.63439905	1.73016864	1.3385384
A_51_P1415	12880.6	Detected	9386.4	Detected	11703.5	Detected	10561.2	Detected	Med22	0.819930749	0.90861451	1.12515981	1.2468572
A_55_P2151	978.9	Detected	1661.7	Detected	472.4	Detected	802.5	Detected	Adarb1	0.819797732	0.48258249	0.48293916	0.2842872
A_55_P1973	23.3	Detected	27	Detected	26.6	Detected	19.1	Not Detect	AI606181	0.819742489	1.1416309	0.70740741	0.9851852
A_55_P2143	47.1	Detected	54.1	Detected	37.9	Detected	38.6	Not Detect	Col4a4	0.819532909	0.80467091	0.71349353	0.7005545
A_55_P2049	566.2	Detected	548	Detected	427.7	Detected	464	Detected	Kat2a	0.81949841	0.75538679	0.84671533	0.7804745
A_55_P1981	69.8	Detected	59.6	Detected	51.5	Detected	57.2	Detected	Gm13580	0.819484241	0.73782235	0.95973154	0.864094

A_66_P1082	473.6	Detected	362.2	Detected	373	Detected	388.1	Detected	Pwwp2a	0.819467905	0.78758446	1.07150745	1.0298178
A_55_P2192	103	Detected	77.8	Detected	70.3	Detected	84.4	Detected	A330023F24Rik	0.819417476	0.68252427	1.0848329	0.903599
A_52_P5002	7729.8	Detected	4515.3	Detected	4161.2	Detected	6333.9	Detected	Atrn	0.81941318	0.53833217	1.40276394	0.9215777
A_55_P2009	1601	Detected	1392.5	Detected	1895.2	Detected	1311.7	Detected	Aaed1	0.819300437	1.18376015	0.94197487	1.3610054
A_51_P3278	101.2	Detected	47.5	Detected	46.4	Detected	82.9	Detected	Pth1r	0.81916996	0.45849802	1.74526316	0.9768421
A_51_P2019	15438.3	Detected	14380.9	Detected	11101.1	Detected	12646	Detected	Setd8	0.81913164	0.71906233	0.87936082	0.7719336
A_52_P5242	89.5	Detected	73.8	Detected	73.9	Detected	73.3	Detected	Olfrl49	0.818994413	0.82569832	0.99322493	1.001355
A_55_P2058	24135.5	Detected	18389.5	Detected	27015.9	Detected	19766.2	Detected	Mcm10	0.81896791	1.11934288	1.07486337	1.4690938
A_51_P1585	4094.3	Detected	3336.9	Detected	3944.2	Detected	3353	Detected	Zscan12	0.818943409	0.96333928	1.00482484	1.1819953
A_55_P2113	98.8	Detected	53.2	Detected	93.5	Detected	80.9	Detected	Parp11	0.818825911	0.94635628	1.52067669	1.7575188
A_51_P4894	6666.3	Detected	6064.4	Detected	6555.2	Detected	5458	Detected	Luc7l	0.818745031	0.98333408	0.9000066	1.0809313
A_55_P2060	17.1	Detected	10.4	Not Detect	9.7	Not Detect	14	Not Detect	3110062M04Rik	0.81871345	0.56725146	1.34615385	0.9326923
A_55_P1996	1687.9	Detected	1079.3	Detected	1643.1	Detected	1381.8	Detected	Zfp931	0.818650394	0.97345814	1.28027425	1.5223756
A_55_P2297	23.7	Detected	10.8	Not Detect	15.7	Not Detect	19.4	Not Detect	2010310C07Rik	0.818565401	0.66244726	1.7962963	1.4537037
A_55_P1980	179951.3	Detected	141343.9	Detected	178335.1	Detected	147290.8	Detected	Tceb2	0.818503673	0.99101868	1.04207398	1.2617106
A_55_P2301	197.2	Detected	123.1	Detected	99.3	Detected	161.4	Detected	Wdr78	0.818458418	0.5035497	1.31112916	0.8066613
A_55_P1959	20518.1	Detected	10132.4	Detected	17303.2	Detected	16790.5	Detected	Cobll1	0.818326258	0.84331395	1.65710987	1.7077099
A_52_P5499	954.4	Detected	939.6	Detected	951.4	Detected	781	Detected	5730455P16Rik	0.818315172	0.99685666	0.83120477	1.0125585
A_55_P2046	190160.2	Detected	168933.8	Detected	196407	Detected	155610.3	Detected	LOC101056029	0.818311613	1.0328502	0.92113183	1.162627
A_55_P2146	491.5	Detected	326.1	Detected	328.1	Detected	402.2	Detected	Atf2	0.818311292	0.66754832	1.233364	1.0061331
A_55_P2026	5836.6	Detected	4539.5	Detected	3349.8	Detected	4776	Detected	Slc4a7	0.818284618	0.57393003	1.05209825	0.7379227
A_52_P6418	50497.4	Detected	40783.3	Detected	48058	Detected	41318.1	Detected	Ptplad1	0.818222324	0.95169256	1.01311321	1.1783745
A_52_P4760	18.7	Detected	5.5	Not Detect	4.9	Not Detect	15.3	Not Detect	Nxf3	0.818181818	0.26203209	2.78181818	0.8909091
A_55_P1969	80.3	Detected	52	Detected	80.8	Detected	65.7	Detected	Rgs9	0.818181818	1.00622665	1.26346154	1.5538462
A_51_P4901	16767.8	Detected	12992.8	Detected	18289	Detected	13717.9	Detected	Nubp2	0.81810971	1.0907215	1.05580783	1.4076258
A_51_P2790	861.5	Detected	419.7	Detected	502.5	Detected	704.8	Detected	Kif3b	0.818107951	0.58328497	1.67929473	1.1972838
A_55_P2321	380.6	Detected	293.1	Detected	215.9	Detected	311.3	Detected	D11ErtD726e	0.817919075	0.56726222	1.06209485	0.7366087
A_55_P2141	372.7	Detected	436.5	Detected	138.7	Detected	304.8	Detected	Gm13275	0.817815938	0.37214918	0.69828179	0.3177549
A_55_P1976	850.6	Detected	763.7	Detected	2969.5	Detected	695.6	Detected	Fgf18	0.817775688	3.49106513	0.91082886	3.8883069
A_51_P2202	104.8	Detected	55.3	Detected	11.2	Not Detect	85.7	Detected	Rnf165	0.817748092	0.10687023	1.54972875	0.2025316
A_55_P2080	6495.8	Detected	6783.7	Detected	7101.9	Detected	5311.6	Detected	Ptpn2	0.817697589	1.09330644	0.78299453	1.0469066
A_52_P1600	100.9	Detected	112.4	Detected	13.2	Not Detect	82.5	Detected	Pcyt1b	0.817641229	0.1308226	0.73398577	0.1174377
A_55_P1988	22415.8	Detected	46903.2	Detected	15855.7	Detected	18327.7	Detected	Znhit6	0.817624176	0.70734482	0.39075585	0.3380516
A_51_P1987	14096.8	Detected	11953.3	Detected	18521.3	Detected	11523.7	Detected	BC055324	0.817469213	1.31386556	0.96406013	1.5494717
A_65_P1153	82.7	Detected	47	Detected	39.9	Detected	67.6	Detected	Dennd4c	0.817412334	0.48246675	1.43829787	0.8489362
A_52_P2225	7587.7	Detected	6184.3	Detected	8236.5	Detected	6202.2	Detected	1110001A16Rik	0.817401848	1.08550681	1.00289443	1.3318403
A_55_P2006	102.4	Detected	91.7	Detected	83.9	Detected	83.7	Detected	Mfsd12	0.817382813	0.81933594	0.912759	0.91494
A_55_P2186	134.7	Detected	138.3	Detected	175.1	Detected	110.1	Detected	2810021J22Rik	0.817371938	1.29992576	0.79609544	1.2660882
A_51_P1935	3084.5	Detected	2704.7	Detected	3179.8	Detected	2521.1	Detected	Cdk7	0.817344788	1.03089642	0.93211816	1.1756572
A_55_P2131	22101.6	Detected	21422.8	Detected	19149.7	Detected	18063.8	Detected	A530006G24Rik	0.817307344	0.86643953	0.84320444	0.8938934

A_55_P2146	7013.1	Detected	6028	Detected	5403.4	Detected	5731.8	Detected	Pank4	0.817299055	0.7704724	0.95086264	0.8963835
A_51_P4802	6500.2	Detected	4746.7	Detected	6844.6	Detected	5312.4	Detected	Nmral1	0.817267161	1.05298299	1.11917753	1.4419702
A_55_P2001	187462.1	Detected	144650.9	Detected	138298	Detected	153188.3	Detected	Flna	0.817169444	0.73773845	1.05902072	0.9560812
A_51_P2213	19324	Detected	11263.5	Detected	18498.4	Detected	15790.3	Detected	Tnks2	0.817134134	0.95727593	1.40189994	1.6423314
A_55_P1978	1800.5	Detected	1819.3	Detected	1421.3	Detected	1470.9	Detected	Hnrnpa3	0.816939739	0.78939184	0.80849777	0.7812345
A_66_P1291	488.6	Detected	464.4	Detected	286.5	Detected	399.1	Detected	Nasp	0.816823578	0.58636922	0.85938846	0.6169251
A_52_P7422	4266.3	Detected	3875.3	Detected	2988.1	Detected	3484.8	Detected	Fam117b	0.816820195	0.70039613	0.89923361	0.7710629
A_55_P1993	42	Detected	43.2	Detected	49	Detected	34.3	Not Detect	Efr3a	0.816666667	1.16666667	0.79398148	1.1342593
A_55_P2018	3802.3	Detected	3138.4	Detected	3200.3	Detected	3105.2	Detected	Map2k4	0.816663598	0.84167478	0.98942136	1.0197234
A_55_P2038	45.8	Detected	35	Detected	32.1	Detected	37.4	Not Detect	Olf1r18	0.816593886	0.70087336	1.06857143	0.9171429
A_55_P2056	51406.4	Detected	49154.5	Detected	43971.1	Detected	41976.5	Detected	Wdr89	0.816561751	0.85536237	0.85397064	0.8945488
A_66_P1128	19844.6	Detected	18796.2	Detected	20537	Detected	16204.1	Detected	Eif1a	0.81654959	1.0348911	0.86209447	1.0926145
A_52_P3641	3266.2	Detected	3800.4	Detected	1935.2	Detected	2666.8	Detected	Map3k14	0.816483988	0.59249281	0.70171561	0.5092096
A_55_P2044	60351.6	Detected	56373.9	Detected	52010.7	Detected	49275.9	Detected	Mms22l	0.816480425	0.86179488	0.87409067	0.9226025
A_51_P2804	1561.5	Detected	1040.8	Detected	1131.3	Detected	1274.6	Detected	Slc12a6	0.816266411	0.72449568	1.2246349	1.0869523
A_52_P1318	30544.5	Detected	27081.1	Detected	29543.5	Detected	24931.5	Detected	Bysl	0.816235329	0.96722814	0.92062361	1.0909269
A_55_P1984	41164.6	Detected	38490.6	Detected	42669.6	Detected	33599.8	Detected	Ube2i	0.81623045	1.03656054	0.87293521	1.108572
A_55_P2100	538.8	Detected	237.6	Detected	441.4	Detected	439.7	Detected	Dnmbp	0.816072754	0.81922791	1.85058923	1.8577441
A_51_P1783	5093.8	Detected	4600.1	Detected	4542.8	Detected	4155.7	Detected	Zfp326	0.815834937	0.89182928	0.9033934	0.9875437
A_55_P1980	34.2	Detected	27.1	Detected	30.6	Detected	27.9	Not Detect	Olf1r124	0.815789474	0.89473684	1.0295203	1.1291513
A_52_P6558	1122.5	Detected	1174	Detected	1069.5	Detected	915.7	Detected	Chpt1	0.815768374	0.95278396	0.77998296	0.9109881
A_66_P1401	36.9	Detected	27.6	Detected	35.4	Detected	30.1	Not Detect	Rgs9	0.815718157	0.95934959	1.09057971	1.2826087
A_55_P2273	39.6	Detected	24.4	Detected	39.7	Detected	32.3	Not Detect	Nlrp3	0.815656566	1.00252525	1.32377049	1.6270492
A_55_P2156	6963.2	Detected	6497.2	Detected	6152.3	Detected	5679.5	Detected	Recql4	0.815645106	0.88354492	0.87414579	0.9469156
A_51_P4681	625.1	Detected	447.7	Detected	504.8	Detected	509.8	Detected	Trim39	0.815549512	0.80755079	1.13870896	1.1275408
A_55_P2062	16612.5	Detected	11884	Detected	16370.6	Detected	13544.1	Detected	Kifc1	0.815295711	0.98543868	1.13969202	1.3775328
A_55_P2011	100.7	Detected	104.9	Detected	90.3	Detected	82.1	Detected	Ebf4	0.815292949	0.89672294	0.78265014	0.8608198
A_52_P3352	3630.8	Detected	2846.4	Detected	3267.2	Detected	2959.8	Detected	Cdkal1	0.815192244	0.89985678	1.0398398	1.1478359
A_55_P1994	15130.8	Detected	10966.8	Detected	10449.7	Detected	12334.3	Detected	Asxl1	0.815178312	0.69062442	1.12469453	0.9528486
A_55_P2038	60722	Detected	56069.5	Detected	50513.8	Detected	49498.7	Detected	4933427D06Rik	0.815169131	0.8318863	0.88280973	0.900914
A_55_P2272	23.8	Detected	23.5	Detected	18.6	Detected	19.4	Not Detect	AA914427	0.81512605	0.78151261	0.82553191	0.7914894
A_55_P1986	55268.2	Detected	51467.1	Detected	45554.5	Detected	45045	Detected	Mcam	0.815025639	0.82424432	0.87521931	0.8851188
A_55_P2063	12588.6	Detected	10018.6	Detected	9003.7	Detected	10259.3	Detected	4930427A07Rik	0.81496751	0.71522647	1.02402531	0.8986984
A_55_P1965	508.7	Detected	470.6	Detected	441.1	Detected	414.5	Detected	Abca17	0.814822096	0.86711225	0.88079048	0.9373141
A_55_P2019	10.8	Not Detect	8.4	Not Detect	16.7	Detected	8.8	Not Detect	A430093F15Rik	0.814814815	1.5462963	1.04761905	1.9880952
A_55_P2179	10.8	Not Detect	18.6	Detected	9.7	Not Detect	8.8	Not Detect	Nmur1	0.814814815	0.89814815	0.47311828	0.5215054
A_51_P2975	4103.6	Detected	3263.7	Detected	3241.8	Detected	3343.2	Detected	Birc6	0.814699288	0.78998928	1.02435886	0.9932898
A_55_P2463	709.3	Detected	607.2	Detected	753	Detected	577.8	Detected	Zmym5	0.81460595	1.06161004	0.95158103	1.2401186
A_55_P2054	687.7	Detected	383.7	Detected	605.7	Detected	560.2	Detected	9030624G23Rik	0.814599389	0.88076196	1.45999479	1.578577
A_51_P3325	884.2	Detected	891.4	Detected	762.6	Detected	720.1	Detected	Polr3f	0.814408505	0.86247455	0.80783038	0.8555082

A_55_P2041	231.5 Detected	206.5 Detected	196.6 Detected	188.5 Detected	Rdh1	0.81425486	0.84924406	0.91283293	0.9520581
A_55_P1957	9089.8 Detected	7704.2 Detected	12072.4 Detected	7401.4 Detected	Mrpl49	0.814253339	1.32812603	0.96069676	1.5669894
A_55_P2048	13994.8 Detected	12510.9 Detected	12149.9 Detected	11394.9 Detected	Smn1	0.814223855	0.86817246	0.91079778	0.9711452
A_55_P2024	593.5 Detected	534.9 Detected	355.1 Detected	483.2 Detected	Rbl1	0.814153328	0.59831508	0.90334642	0.6638624
A_51_P2257	26.9 Detected	14.5 Not Detect	18.5 Not Detect	21.9 Not Detect	Prr5l	0.814126394	0.68773234	1.51034483	1.2758621
A_55_P2075	300.2 Detected	218.3 Detected	263.9 Detected	244.4 Detected	Uhmk1	0.814123917	0.87908061	1.11956024	1.2088869
A_51_P2329	243.9 Detected	262 Detected	230.8 Detected	198.5 Detected	Nvl	0.813858139	0.94628946	0.75763359	0.880916
A_52_P5091	1901 Detected	1296.5 Detected	1516.2 Detected	1547.1 Detected	Zfp318	0.813834824	0.79758022	1.19328963	1.1694562
A_55_P2116	18.8 Detected	14.5 Not Detect	17.9 Detected	15.3 Not Detect	Iqcd	0.813829787	0.95212766	1.05517241	1.2344828
A_55_P2020	8918.4 Detected	8744 Detected	7245.3 Detected	7257.8 Detected	Psme3	0.813800682	0.81239909	0.83003202	0.8286025
A_66_P1310	719.1 Detected	540.6 Detected	541.9 Detected	585.2 Detected	Gnl3l	0.813795022	0.75358086	1.08250092	1.0024047
A_55_P1978	13516.1 Detected	10663.3 Detected	14304.4 Detected	10999.3 Detected	Grcc10	0.81379244	1.05832304	1.03150995	1.3414609
A_55_P2160	578.8 Detected	522 Detected	430.2 Detected	471 Detected	Xylt2	0.813752592	0.74326192	0.90229885	0.8241379
A_55_P2065	16006.4 Detected	12828.9 Detected	8544 Detected	13023.9 Detected	Smtn	0.813668283	0.53378649	1.01520006	0.6659963
A_52_P4840	5210.9 Detected	3898.5 Detected	4753.3 Detected	4239.8 Detected	Ube2v1	0.813640638	0.91218408	1.08754649	1.2192638
A_55_P2057	15737.6 Detected	16926.8 Detected	13381 Detected	12804.3 Detected	Kansl3	0.813611987	0.85025671	0.75645131	0.7905215
A_55_P2082	23745.5 Detected	22641.6 Detected	20183.6 Detected	19319 Detected	Zfp791	0.813585732	0.84999684	0.85325242	0.8914388
A_55_P2100	86.9 Detected	86.6 Detected	81.7 Detected	70.7 Detected	Ifna12	0.813578826	0.9401611	0.81639723	0.943418
A_55_P2112	511.2 Detected	904.1 Detected	351.1 Detected	415.9 Detected	Fam110c	0.8135759	0.68681534	0.46001549	0.388342
A_55_P2166	11.8 Not Detect	18.4 Detected	20.1 Detected	9.6 Not Detect	Gm5129	0.813559322	1.70338983	0.52173913	1.0923913
A_51_P4422	60.6 Detected	43.4 Detected	47.9 Detected	49.3 Detected	Ankrd42	0.813531353	0.79042904	1.1359447	1.1036866
A_51_P3511	136.7 Detected	122.3 Detected	239.6 Detected	111.2 Detected	Cnfn	0.813460132	1.75274323	0.90923957	1.9591169
A_55_P2077	20543 Detected	15975.3 Detected	13794.9 Detected	16708.7 Detected	Git1	0.81335248	0.67151341	1.04590837	0.8635143
A_55_P1993	39479.1 Detected	36858.5 Detected	34495 Detected	32104.1 Detected	Gm6994	0.813192297	0.87375345	0.8710094	0.9358764
A_55_P1987	21159.8 Detected	21912 Detected	23865.4 Detected	17206.6 Detected	Rnu1b6	0.813174038	1.1278651	0.78525922	1.0891475
A_51_P1017	261.7 Detected	278.7 Detected	270.7 Detected	212.8 Detected	Smarcd1	0.813144822	1.03439052	0.76354503	0.9712953
A_55_P2083	12743.2 Detected	9535.3 Detected	14555.7 Detected	10361.5 Detected	Prmt2	0.81310032	1.14223272	1.08664646	1.5265068
A_55_P2125	14172.3 Detected	15709.2 Detected	13293.5 Detected	11523.5 Detected	Cct6a	0.813100203	0.93799172	0.73355104	0.8462239
A_51_P4770	287.8 Detected	189.3 Detected	328.1 Detected	234 Detected	Rnaset2a	0.813064628	1.1400278	1.23613312	1.7332277
A_51_P3671	47382.7 Detected	40172.5 Detected	49795.2 Detected	38522.6 Detected	Psmb1	0.813009812	1.05091521	0.95892962	1.2395345
A_55_P2067	17448.7 Detected	16674.2 Detected	15205.5 Detected	14185.6 Detected	1700110I01Rik	0.812988933	0.87144028	0.85075146	0.9119178
A_55_P2138	1046.5 Detected	808.2 Detected	766.6 Detected	850.7 Detected	Lrnf1	0.812900143	0.73253703	1.05258599	0.9485276
A_52_P9757	82.3 Detected	72 Detected	74.8 Detected	66.9 Detected	Aplnr	0.812879708	0.90886999	0.92916667	1.0388889
A_55_P2009	50747.9 Detected	45850.2 Detected	46448.2 Detected	41250.2 Detected	9530068E07Rik	0.812845458	0.91527334	0.89967328	1.0130425
A_52_P5462	81.2 Detected	38.1 Detected	48.3 Detected	66 Detected	Glis3	0.812807882	0.59482759	1.73228346	1.2677165
A_52_P1162	190.7 Detected	106.1 Detected	182.7 Detected	155 Detected	Atf2	0.812794966	0.95804929	1.46088596	1.7219604
A_51_P5054	30357.6 Detected	19346.1 Detected	21626.7 Detected	24671.3 Detected	Elovl5	0.812689409	0.71239821	1.27525961	1.1178842
A_55_P2031	12.8 Not Detect	29.4 Detected	14 Not Detect	10.4 Not Detect	9230009I02Rik	0.8125	1.09375	0.3537415	0.4761905
A_55_P2056	37877.3 Detected	31030 Detected	32661.2 Detected	30773.9 Detected	Tbca	0.812462874	0.86228955	0.9917467	1.0525685
A_51_P3294	1140.3 Detected	1069.1 Detected	789.4 Detected	926.3 Detected	Slc25a40	0.812330089	0.69227396	0.86642971	0.7383781

A_55_P1969	102.3 Detected	77.4 Detected	29.1 Detected	83.1 Detected	Epha7	0.812316716	0.28445748	1.07364341	0.375969
A_51_P1736	43012.4 Detected	30919.3 Detected	32183.5 Detected	34938.2 Detected	Ptpn11	0.81228204	0.74823772	1.1299803	1.0408871
A_55_P2322	49 Detected	44.5 Detected	44 Detected	39.8 Not Detect	4930556L07Rik	0.812244898	0.89795918	0.89438202	0.988764
A_55_P1971	5351.4 Detected	5603 Detected	5215.6 Detected	4346.5 Detected	Ttc19	0.812217364	0.97462346	0.77574514	0.9308585
A_55_P2183	21.3 Detected	10.7 Not Detect	21.6 Detected	17.3 Not Detect	Cldn4	0.812206573	1.01408451	1.61682243	2.0186916
A_51_P1176	9692.9 Detected	7064.2 Detected	9078.1 Detected	7871 Detected	Rab5a	0.812037677	0.93657213	1.11420968	1.2850854
A_55_P2076	299.5 Detected	252.7 Detected	219.9 Detected	243.2 Detected	Dmtf1	0.812020033	0.73422371	0.96240602	0.8702018
A_55_P2046	68.6 Detected	39.7 Detected	52.8 Detected	55.7 Detected	Cd47	0.811953353	0.7696793	1.40302267	1.3299748
A_55_P2088	78.7 Detected	73.8 Detected	81.6 Detected	63.9 Detected	Pcnp	0.811944091	1.03684879	0.86585366	1.1056911
A_52_P5181	732.1 Detected	437.1 Detected	645 Detected	594.3 Detected	Magi3	0.811774348	0.88102718	1.3596431	1.4756349
A_51_P4075	172.1 Detected	136.2 Detected	146.8 Detected	139.7 Detected	Pdcd11	0.811737362	0.85299245	1.0256975	1.0778267
A_55_P1987	75375.4 Detected	45761 Detected	52569.5 Detected	61178.4 Detected	Capn2	0.811649424	0.69743577	1.33691134	1.1487839
A_55_P2011	917.8 Detected	621.8 Detected	679.2 Detected	744.9 Detected	Mfap1a	0.811614731	0.74003051	1.19797362	1.0923126
A_55_P2198	207.5 Detected	73.3 Detected	367.8 Detected	168.4 Detected	4930415C11Rik	0.811566265	1.77253012	2.29740791	5.0177353
A_55_P2043	602.8 Detected	385.9 Detected	326.6 Detected	489.2 Detected	Cdkl5	0.811546118	0.54180491	1.26768593	0.8463332
A_55_P2037	3484 Detected	2152 Detected	2911.5 Detected	2827.4 Detected	Brd3	0.811538462	0.83567738	1.31384758	1.3529275
A_55_P1995	10857.9 Detected	10274.8 Detected	3197.1 Detected	8811.5 Detected	Fosl2	0.811528933	0.2944492	0.8575836	0.3111593
A_55_P2113	6267.4 Detected	4715.6 Detected	7605.5 Detected	5085.3 Detected	Zfp523	0.811389093	1.21350161	1.07839936	1.6128382
A_52_P2700	2680.5 Detected	1810.8 Detected	1640.7 Detected	2174.8 Detected	Tspyl2	0.811341168	0.6120873	1.20101613	0.9060636
A_51_P1421	8987.5 Detected	4637.4 Detected	7457 Detected	7291.8 Detected	Filip1l	0.811326843	0.82970793	1.5723897	1.6080131
A_55_P2098	52135.7 Detected	49408 Detected	44982.6 Detected	42295.3 Detected	Trim25	0.811254093	0.86279843	0.85604153	0.9104315
A_55_P2146	225.7 Detected	195.2 Detected	196.8 Detected	183.1 Detected	Wfdc8	0.811253877	0.87195392	0.9380123	1.0081967
A_52_P2178	765.5 Detected	745.1 Detected	876.8 Detected	621 Detected	H3f3b	0.811234487	1.14539517	0.83344518	1.1767548
A_55_P2273	152 Detected	286.6 Detected	142.1 Detected	123.3 Detected	G930009F23Rik	0.811184211	0.93486842	0.43021633	0.495813
A_55_P2017	54194.5 Detected	43780.8 Detected	45740.9 Detected	43959.7 Detected	Usf2	0.811146888	0.84401369	1.00408627	1.0447708
A_55_P1997	27675.4 Detected	19647.2 Detected	26559.9 Detected	22448.8 Detected	Fam53a	0.811146361	0.95969345	1.14259538	1.3518415
A_55_P2425	61.4 Detected	36.6 Detected	18.9 Detected	49.8 Not Detect	C530043K16Rik	0.811074919	0.30781759	1.36065574	0.5163934
A_55_P2120	12.7 Not Detect	24.4 Detected	14.9 Not Detect	10.3 Not Detect	Fanca	0.811023622	1.17322835	0.42213115	0.6106557
A_66_P1083	343.9 Detected	172.8 Detected	276.1 Detected	278.9 Detected	A330021E22Rik	0.810991567	0.80284967	1.61400463	1.5978009
A_51_P2918	9390.2 Detected	7128.5 Detected	7693.1 Detected	7615 Detected	2310033P09Rik	0.810951843	0.81926903	1.06824718	1.0792032
A_55_P2110	2670.9 Detected	1943.6 Detected	1201.5 Detected	2165.8 Detected	Sifn9	0.810887716	0.44984837	1.11432393	0.6181828
A_55_P2122	5097.3 Detected	4508.6 Detected	5221.2 Detected	4132.6 Detected	Rnf25	0.810742942	1.02430699	0.91660382	1.1580535
A_55_P2002	269378.7 Detected	242540 Detected	278749.5 Detected	218390.6 Detected	Rpl36	0.81071963	1.03478671	0.90043127	1.1492929
A_55_P2112	11597.7 Detected	11305.2 Detected	11978.7 Detected	9402.4 Detected	Anapc7	0.810712469	1.03285134	0.83168807	1.0595744
A_55_P2178	783.2 Detected	514.2 Detected	734.9 Detected	634.9 Detected	Spin1	0.810648621	0.93832993	1.23473357	1.4292104
A_51_P3201	40887.8 Detected	38153.9 Detected	37349.4 Detected	33136.4 Detected	Smyd2	0.810422669	0.91346074	0.86849313	0.9789143
A_55_P2095	3659.4 Detected	3412.2 Detected	3148.2 Detected	2965.6 Detected	Fdxacb1	0.810406077	0.86030497	0.8691167	0.9226306
A_55_P2062	1720.5 Detected	1574.1 Detected	2177.1 Detected	1394.3 Detected	Caprin2	0.810403952	1.26538797	0.885776	1.383076
A_55_P2101	20517.9 Detected	21614.5 Detected	29113.5 Detected	16626.3 Detected	Aldh7a1	0.810331467	1.41893176	0.76921974	1.346943
A_55_P1982	1449.8 Detected	1285.9 Detected	1356.7 Detected	1174.8 Detected	Rbfox2	0.810318665	0.93578425	0.91360137	1.0550587

A_66_P1117	2375.5	Detected	3248.6	Detected	2398.2	Detected	1924.9	Detected	Utp20	0.810313618	1.00955588	0.59253217	0.7382257
A_52_P6495	127.5	Detected	34.2	Detected	24.6	Detected	103.3	Detected	Heg1	0.810196078	0.19294118	3.02046784	0.7192982
A_55_P2334	53.2	Detected	38.9	Detected	69	Detected	43.1	Detected	D630024D03Rik	0.810150376	1.29699248	1.10796915	1.7737789
A_51_P2418	4572.9	Detected	4232.5	Detected	6560.7	Detected	3704.4	Detected	Tcirg1	0.810076757	1.43469133	0.87522741	1.5500768
A_55_P2114	258.4	Detected	192.3	Detected	274.1	Detected	209.3	Detected	Cadm4	0.80998452	1.06075851	1.08840354	1.425377
A_55_P2121	3956.8	Detected	2756.8	Detected	3192	Detected	3204.3	Detected	Tbc1d22b	0.809821068	0.80671249	1.16232589	1.1578642
A_55_P2063	118.3	Detected	82.8	Detected	123.6	Detected	95.8	Detected	Tomm6	0.809805579	1.04480135	1.15700483	1.4927536
A_65_P1253	302.3	Detected	203.1	Detected	217.3	Detected	244.8	Detected	Pde4d	0.809791598	0.71882236	1.20531758	1.0699163
A_55_P2173	592.3	Detected	582.4	Detected	423.4	Detected	479.6	Detected	Zfp62	0.809724802	0.71484045	0.82348901	0.7269918
A_52_P1073	2311.6	Detected	1709.3	Detected	1738.5	Detected	1871.5	Detected	Map6	0.80961239	0.75207648	1.09489265	1.017083
A_55_P1995	1523.7	Detected	1022.3	Detected	1573.5	Detected	1233.6	Detected	Gm14432	0.809608191	1.0326836	1.2066908	1.5391764
A_55_P2070	14754.3	Detected	12441	Detected	18568.2	Detected	11944.3	Detected	Nudt5	0.809547047	1.25849413	0.96007556	1.4925006
A_51_P4041	641.6	Detected	1002.4	Detected	143.9	Detected	519.4	Detected	Fmnl1	0.809538653	0.22428304	0.51815642	0.1435555
A_55_P2289	10.5	Not Detect	14.6	Not Detect	39.5	Detected	8.5	Not Detect	AI429363	0.80952381	3.76190476	0.58219178	2.7054795
A_51_P1421	12110	Detected	10835.9	Detected	11059.2	Detected	9803	Detected	Abhd11	0.809496284	0.91322874	0.90467797	1.0206074
A_51_P1373	11995.3	Detected	4573.2	Detected	9922.1	Detected	9709.2	Detected	Zadh2	0.809417022	0.82716564	2.12306481	2.1696186
A_52_P7963	11625.3	Detected	5415.6	Detected	6563.1	Detected	9409.3	Detected	Vat1	0.809381263	0.56455317	1.73744368	1.2118879
A_52_P3443	1739.5	Detected	1371.8	Detected	1470.7	Detected	1407.9	Detected	Eif4a2	0.809370509	0.84547284	1.02631579	1.0720951
A_55_P2011	7977.1	Detected	5945.7	Detected	6273.5	Detected	6455.7	Detected	Armc10	0.809279061	0.78643868	1.08577628	1.0551323
A_55_P2018	809.9	Detected	878.5	Detected	607.7	Detected	655.4	Detected	Elk3	0.809235708	0.75033955	0.74604439	0.6917473
A_55_P1967	1589.1	Detected	630.5	Detected	2089.1	Detected	1285.9	Detected	AI661453	0.809200176	1.31464351	2.03949247	3.3134021
A_55_P2183	6187.2	Detected	3002.8	Detected	5202.4	Detected	5006.6	Detected	Ncoa3	0.809186708	0.84083269	1.66731051	1.7325163
A_55_P1971	1301.9	Detected	1103.4	Detected	1197.2	Detected	1053.3	Detected	Rbm45	0.809048314	0.91957908	0.95459489	1.08501
A_52_P8783	3909.5	Detected	2356.9	Detected	1667	Detected	3162.5	Detected	Sema3c	0.808926973	0.42639724	1.34180491	0.707285
A_55_P1956	13177.8	Detected	9992.7	Detected	16434.3	Detected	10659.8	Detected	Dcaf8	0.808921064	1.24712016	1.06675873	1.6446306
A_52_P2086	7926.5	Detected	6734.5	Detected	6876.9	Detected	6411.7	Detected	Fancb	0.808894216	0.86758342	0.95206771	1.0211449
A_55_P2032	1779.1	Detected	1038.1	Detected	1578.5	Detected	1439.1	Detected	Dnajc10	0.808892136	0.88724636	1.38628263	1.5205664
A_55_P2302	13.6	Not Detect	21.8	Detected	8.2	Not Detect	11	Not Detect	E230012P03	0.808823529	0.60294118	0.50458716	0.3761468
A_55_P1960	349.4	Detected	284.5	Detected	244.1	Detected	282.6	Detected	Msh3	0.808815112	0.69862622	0.99332162	0.8579965
A_55_P2423	67154.1	Detected	65339.7	Detected	60255.5	Detected	54310.6	Detected	Eya1	0.808745855	0.8972721	0.83120369	0.9221882
A_52_P5222	2099.8	Detected	2008.3	Detected	1898.1	Detected	1698.1	Detected	3110067C02Rik	0.808696066	0.90394323	0.845541	0.9451277
A_55_P1999	11.5	Not Detect	25.5	Detected	3.4	Not Detect	9.3	Not Detect	Spopl	0.808695652	0.29565217	0.36470588	0.1333333
A_55_P1993	1643.7	Detected	1317.7	Detected	1144	Detected	1329.2	Detected	Dusp7	0.808663381	0.69599075	1.00872733	0.8681794
A_55_P1968	35255.1	Detected	33156.8	Detected	29407	Detected	28507.6	Detected	Synpo2l	0.808609251	0.83412045	0.8597814	0.8869071
A_55_P2099	37341.4	Detected	29170.5	Detected	37992.9	Detected	30191.9	Detected	H2afv	0.808536905	1.01744712	1.03501483	1.3024425
A_55_P2062	74129.3	Detected	48650.8	Detected	69487.5	Detected	59935.5	Detected	Tsen34	0.808526453	0.93738238	1.23195302	1.428291
A_55_P2123	234.9	Detected	129.7	Detected	97	Detected	189.9	Detected	LOC101056077	0.808429119	0.41294168	1.46414803	0.7478797
A_55_P2084	21.4	Detected	13.1	Not Detect	18.8	Detected	17.3	Not Detect	Rbm18	0.808411215	0.87850467	1.32061069	1.4351145
A_55_P2006	176.4	Detected	142.5	Detected	177.4	Detected	142.6	Detected	Dpy19I4	0.808390023	1.00566893	1.00070175	1.2449123
A_55_P2186	6041	Detected	5270.5	Detected	4192.7	Detected	4883.1	Detected	Bard1	0.808326436	0.69404072	0.92649654	0.7955033

A_51_P4638	335.9	Detected	288.7	Detected	253.9	Detected	271.5	Detected	Baz1b	0.808276273	0.75587973	0.94042258	0.8794596
A_55_P2094	33.9	Detected	19.8	Detected	27.4	Detected	27.4	Not Detect	Gm15800	0.808259587	0.80825959	1.38383838	1.3838384
A_55_P2128	335.8	Detected	318.9	Detected	323.9	Detected	271.4	Detected	Cep85	0.808219178	0.96456224	0.85105049	1.0156789
A_55_P2011	6425.1	Detected	4562.1	Detected	5584.9	Detected	5190.6	Detected	Anapc5	0.807862913	0.86923161	1.1377655	1.224195
A_55_P2046	60424.4	Detected	55873.7	Detected	51171.5	Detected	48813.5	Detected	Tmem239	0.807844182	0.84686815	0.87364001	0.9158423
A_55_P2020	260714.8	Detected	207151.9	Detected	181650.8	Detected	210604.6	Detected	Pcolce	0.807796872	0.69674142	1.01666748	0.8768966
A_51_P2276	15.6	Detected	12.7	Not Detect	8.1	Not Detect	12.6	Not Detect	Dnah7a	0.807692308	0.51923077	0.99212598	0.6377953
A_55_P2022	1664.4	Detected	2123.5	Detected	192.6	Detected	1344.3	Detected	Pak3	0.807678443	0.11571738	0.63305863	0.0906993
A_55_P2042	15847.2	Detected	11347.5	Detected	14720.4	Detected	12799	Detected	Rfwd2	0.807650563	0.92889596	1.12791364	1.2972373
A_65_P1913	9057.2	Detected	6521.2	Detected	8521.7	Detected	7314.9	Detected		7-Mar 0.807633706	0.94087577	1.12171073	1.3067687
A_55_P2123	4757.9	Detected	2393.4	Detected	879.9	Detected	3842.1	Detected	Trnp1	0.807520124	0.18493453	1.60528955	0.367636
A_52_P2646	1305.9	Detected	1504.1	Detected	956.5	Detected	1054.5	Detected	Cyb5d1	0.807489088	0.73244506	0.7010837	0.6359285
A_52_P2355	9679.1	Detected	9546.2	Detected	9432.4	Detected	7815.4	Detected	Ipo5	0.807451106	0.97451209	0.81869225	0.988079
A_55_P2054	70715.1	Detected	66031.4	Detected	61673.7	Detected	57091.2	Detected	Ldlrad3	0.807341006	0.87214329	0.86460684	0.9340056
A_51_P2709	21.8	Detected	10.1	Not Detect	51.6	Detected	17.6	Not Detect	Plekhs1	0.80733945	2.36697248	1.74257426	5.1089109
A_66_P1043	6846.2	Detected	4620.1	Detected	5274.5	Detected	5527.1	Detected	Arl3	0.807323771	0.77042739	1.1963161	1.141642
A_51_P2324	1212.6	Detected	724.5	Detected	1049.3	Detected	978.9	Detected	Zswim1	0.807273627	0.86533069	1.35113872	1.4483092
A_55_P2094	121.3	Detected	81.5	Detected	77	Detected	97.9	Detected	Gm15800	0.80708986	0.63478978	1.20122699	0.9447853
A_55_P2128	17.1	Detected	21.1	Detected	23.9	Detected	13.8	Not Detect	5830411N06Rik	0.807017544	1.39766082	0.65402844	1.1327014
A_52_P3719	445.5	Detected	328.9	Detected	643.5	Detected	359.5	Detected	Eif6	0.806958474	1.44444444	1.0930374	1.9565217
A_51_P4876	6055.3	Detected	3665.2	Detected	4275	Detected	4886.3	Detected	Dtnbp1	0.806945981	0.7059931	1.33316054	1.1663756
A_55_P2040	70584.3	Detected	67159.3	Detected	61649.3	Detected	56955.9	Detected	Ung	0.806920236	0.87341378	0.84807167	0.9179563
A_52_P2935	1593.1	Detected	1256.9	Detected	1236.1	Detected	1285.5	Detected	Wdr41	0.806917331	0.77590861	1.0227544	0.9834513
A_55_P2018	1724.5	Detected	1269	Detected	1334.8	Detected	1391.4	Detected	A730008H23Rik	0.806842563	0.77402146	1.0964539	1.0518519
A_55_P1956	2805.3	Detected	1844	Detected	2581.7	Detected	2263.3	Detected	Gm14391	0.806794282	0.92029373	1.22738612	1.4000542
A_55_P2137	1569.1	Detected	1255.8	Detected	1566.2	Detected	1265.9	Detected	Nmral1	0.806768211	0.99815181	1.00804268	1.2471731
A_55_P2126	1311.2	Detected	1376.1	Detected	1062.2	Detected	1057.8	Detected	1810032O08Rik	0.806741916	0.81009762	0.76869414	0.7718916
A_51_P1003	44.5	Detected	46.4	Detected	31.7	Detected	35.9	Not Detect	Zfp407	0.806741573	0.71235955	0.7737069	0.6831897
A_51_P4826	18244.5	Detected	15118.7	Detected	17786.4	Detected	14716.5	Detected	Rps6ka4	0.806626655	0.97489106	0.97339718	1.1764504
A_55_P2003	63.6	Detected	49.1	Detected	48.6	Detected	51.3	Detected	Phf8	0.806603774	0.76415094	1.04480652	0.9898167
A_55_P1970	5221	Detected	4084.1	Detected	4633.6	Detected	4210.9	Detected	Bcl7b	0.806531316	0.88749282	1.03104723	1.1345462
A_55_P2386	27.9	Detected	22.7	Detected	22.6	Detected	22.5	Not Detect	Gm9958	0.806451613	0.81003584	0.99118943	0.9955947
A_52_P2724	925.3	Detected	751.2	Detected	855.1	Detected	746.2	Detected	Mapk9	0.806441154	0.92413271	0.99334398	1.138312
A_51_P1536	270.7	Detected	282.8	Detected	281.2	Detected	218.3	Detected	Utp14b	0.80642778	1.03878833	0.77192362	0.9943423
A_55_P1992	68156.7	Detected	44216.3	Detected	57041.7	Detected	54961.2	Detected	Dync1i2	0.806394676	0.83691992	1.24300767	1.2900605
A_55_P2118	60925.8	Detected	33895.4	Detected	44286	Detected	49128.4	Detected	Idh2	0.806364463	0.72688418	1.44941201	1.306549
A_55_P2059	11281.3	Detected	7780.3	Detected	9860.5	Detected	9093.5	Detected	Dgkz	0.80606845	0.87405707	1.16878527	1.2673676
A_55_P2075	1621.1	Detected	1531.9	Detected	1393.4	Detected	1306.7	Detected	Arfrp1	0.806057615	0.85953982	0.85299302	0.9095894
A_55_P2152	29.9	Detected	34.5	Detected	31.6	Detected	24.1	Not Detect	Cyp4a12b	0.806020067	1.05685619	0.69855072	0.915942
A_51_P3149	4027.7	Detected	3247.6	Detected	3658.5	Detected	3246.4	Detected	Dbf4	0.806018323	0.90833478	0.9996305	1.1265242

A_55_P2047	23.7 Detected	23.1 Detected	20.8 Detected	19.1 Not Detect	Sel1l2	0.805907173	0.87763713	0.82683983	0.9004329
A_55_P2409	247.7 Detected	146.4 Detected	104.2 Detected	199.6 Detected	BB163080	0.805813484	0.42067017	1.36338798	0.7117486
A_55_P1985	13.9 Not Detect	28 Detected	3.3 Not Detect	11.2 Not Detect	Xpnpep2	0.805755396	0.23741007	0.4	0.1178571
A_55_P2133	167.7 Detected	79.9 Detected	94.4 Detected	135.1 Detected	Rin3	0.805605247	0.56290996	1.69086358	1.1814768
A_55_P2096	589 Detected	735.8 Detected	394.2 Detected	474.5 Detected	Steap3	0.805602716	0.66926995	0.64487633	0.5357434
A_51_P4902	9189.6 Detected	4822.2 Detected	7216.3 Detected	7402.5 Detected	Slx4	0.805530165	0.78526813	1.53508772	1.4964746
A_55_P2063	39807.6 Detected	31083.7 Detected	39222.5 Detected	32064.2 Detected	Bag6	0.805479356	0.9853018	1.03154386	1.261835
A_55_P1957	22.1 Detected	18.1 Detected	30.7 Detected	17.8 Not Detect	Olfir702	0.805429864	1.38914027	0.98342541	1.6961326
A_55_P2023	19 Detected	20.2 Detected	13 Not Detect	15.3 Not Detect	Ptpre	0.805263158	0.68421053	0.75742574	0.6435644
A_52_P7603	31803.2 Detected	27467.6 Detected	25842.9 Detected	25609.8 Detected	Rcc2	0.80525859	0.81258804	0.93236395	0.9408503
A_55_P2451	2854.6 Detected	1945.4 Detected	2155.5 Detected	2298.6 Detected	Pdpk1	0.805226652	0.75509704	1.18155649	1.1079984
A_55_P2404	176.6 Detected	190.6 Detected	84.3 Detected	142.2 Detected	Gm17501	0.805209513	0.47734994	0.74606506	0.4422875
A_52_P6306	4055.7 Detected	5027.5 Detected	3613.7 Detected	3265.5 Detected	Rcbtb2	0.805163104	0.89101758	0.6495276	0.7187867
A_66_P1294	48348 Detected	40069.2 Detected	49352.7 Detected	38925.2 Detected	Cox7a2l	0.805104658	1.02078059	0.97144939	1.2316867
A_55_P1978	11.8 Not Detect	16.5 Not Detect	18 Detected	9.5 Not Detect	Enox1	0.805084746	1.52542373	0.57575758	1.0909091
A_66_P1391	7543.3 Detected	5008.6 Detected	5674.5 Detected	6072.9 Detected	Safb	0.805072051	0.75225697	1.21249451	1.1329513
A_66_P1182	9026.1 Detected	8812.6 Detected	7072.1 Detected	7266.3 Detected	Strn3	0.805032074	0.78351669	0.82453532	0.8024987
A_65_P1857	268.1 Detected	222.4 Detected	174 Detected	215.8 Detected	Tardbp	0.804923536	0.64901156	0.97032374	0.7823741
A_55_P2172	957.7 Detected	800.7 Detected	842.7 Detected	770.7 Detected	Srbd1	0.804740524	0.87992064	0.96253278	1.0524541
A_55_P2133	12.8 Not Detect	22.4 Detected	17.7 Not Detect	10.3 Not Detect	Susd3	0.8046875	1.3828125	0.45982143	0.7901786
A_55_P2077	21983.6 Detected	25906 Detected	19430.9 Detected	17689.5 Detected	Ube2e1	0.804668025	0.88388162	0.68283409	0.750054
A_55_P2058	5168.9 Detected	3634.7 Detected	2531.4 Detected	4158.9 Detected	Mex3d	0.804600592	0.48973669	1.14422098	0.6964536
A_55_P2217	26.1 Detected	41.2 Detected	21.2 Detected	21 Not Detect	A830082N09Rik	0.804597701	0.81226054	0.50970874	0.5145631
A_55_P2099	3692.2 Detected	2602.1 Detected	2119.6 Detected	2970.7 Detected	Tfe3	0.80458805	0.57407508	1.14165482	0.8145728
A_55_P2135	179796.7 Detected	155699.8 Detected	185934.9 Detected	144636.5 Detected	Rps18	0.804444687	1.03413967	0.92894467	1.1941884
A_66_P1012	240.3 Detected	226.2 Detected	250.7 Detected	193.3 Detected	Chmp3	0.804411153	1.04327923	0.85455349	1.1083112
A_66_P1196	854.3 Detected	569.6 Detected	594 Detected	687.2 Detected	Atrx	0.804401264	0.6953061	1.20646067	1.0428371
A_51_P4511	55840.5 Detected	42794.5 Detected	45419.3 Detected	44917 Detected	Ube2c	0.804380333	0.8133756	1.0495975	1.061335
A_51_P1150	6779.7 Detected	6150.8 Detected	5659.9 Detected	5453 Detected	Nup153	0.804312875	0.83483045	0.88655134	0.9201892
A_55_P2097	50739.4 Detected	48404.6 Detected	42048.5 Detected	40805.3 Detected	Ifitm7	0.804213294	0.82871496	0.84300459	0.8686881
A_52_P6189	303.8 Detected	297.2 Detected	285.2 Detected	244.3 Detected	Sf1	0.804147465	0.93877551	0.82200538	0.9596231
A_52_P1761	2940.5 Detected	2505.8 Detected	2646.5 Detected	2364.5 Detected	Ahcy	0.804114946	0.900017	0.94361082	1.0561497
A_52_P1064	15815.6 Detected	9605 Detected	9863.1 Detected	12716 Detected	Jak1	0.804016288	0.6236311	1.32389381	1.0268714
A_55_P2122	331.6 Detected	296.2 Detected	336.9 Detected	266.6 Detected	Dcp2	0.8039807	1.01598311	0.90006752	1.1374072
A_55_P1978	7145.2 Detected	5176.1 Detected	5729 Detected	5743.8 Detected	Pja2	0.803868331	0.80179701	1.10967717	1.1068179
A_55_P2066	1355.1 Detected	1127.2 Detected	1401.9 Detected	1089.3 Detected	A230045G11Rik	0.803852114	1.0345362	0.96637686	1.2437012
A_55_P2059	1498.7 Detected	963.5 Detected	1260.6 Detected	1204.6 Detected	Zfp457	0.803763261	0.84112898	1.25023352	1.308355
A_55_P1985	54 Detected	36.3 Detected	24.5 Detected	43.4 Not Detect	Phc3	0.803703704	0.4537037	1.19559229	0.6749311
A_55_P2147	48175.3 Detected	34224.6 Detected	44089.1 Detected	38717.8 Detected	Ranbp1	0.803685706	0.9151806	1.13128568	1.2882284
A_51_P1166	1826.9 Detected	971 Detected	1279.6 Detected	1468.1 Detected	A330021E22Rik	0.80360173	0.70042148	1.51194645	1.3178167

A_52_P4206	384.8 Detected	331.6 Detected	296.2 Detected	309.2 Detected	Klhl11	0.803534304	0.76975052	0.93244873	0.8932449
A_55_P2047	108.9 Detected	68.3 Detected	84.6 Detected	87.5 Detected	Spatc11	0.80348944	0.7768595	1.28111274	1.238653
A_55_P2064	57.5 Detected	50 Detected	42.1 Detected	46.2 Not Detect	Pced1a	0.803478261	0.73217391	0.924	0.842
A_55_P2129	5868 Detected	4086.3 Detected	3511.6 Detected	4714.6 Detected	Mybl2	0.803442399	0.59843217	1.15375768	0.8593593
A_52_P6409	23.4 Detected	12.4 Not Detect	16.5 Detected	18.8 Not Detect	Dcdc2a	0.803418803	0.70512821	1.51612903	1.3306452
A_51_P4553	819.1 Detected	641.1 Detected	769.4 Detected	658 Detected	Ankrd27	0.803320718	0.93932365	1.02636094	1.2001248
A_55_P2080	163.1 Detected	98.4 Detected	120.9 Detected	131 Detected	Rbm41	0.803188228	0.74126303	1.33130081	1.2286585
A_55_P2016	810.3 Detected	623.1 Detected	738.8 Detected	650.8 Detected	A530054K11Rik	0.803159324	0.91176108	1.04445514	1.1856845
A_55_P2032	2634.4 Detected	2117.3 Detected	2555.3 Detected	2115.6 Detected	Tbp	0.803067112	0.96997419	0.99919709	1.2068672
A_51_P5188	66.5 Detected	61.9 Detected	63.6 Detected	53.4 Detected	Fev	0.803007519	0.95639098	0.86268174	1.0274637
A_55_P1992	13.7 Not Detect	17.2 Not Detect	69.8 Detected	11 Not Detect	AY358078	0.802919708	5.09489051	0.63953488	4.0581395
A_55_P2062	35028.7 Detected	33417.7 Detected	29093.4 Detected	28123 Detected	Epha5	0.802855944	0.83055894	0.84156001	0.8705985
A_51_P4848	14261.2 Detected	13024.8 Detected	11735.2 Detected	11449 Detected	Ppm1g	0.802807618	0.82287606	0.87901542	0.9009889
A_65_P1495	702.8 Detected	432.7 Detected	384.1 Detected	564.2 Detected	Cblb	0.802788845	0.54652817	1.30390571	0.887682
A_55_P2021	267.6 Detected	251.7 Detected	207 Detected	214.8 Detected	E130308A19Rik	0.802690583	0.7735426	0.8533969	0.8224076
A_66_P1395	90.2 Detected	80.1 Detected	84.9 Detected	72.4 Detected	Gm813	0.802660754	0.94124169	0.90387016	1.0599251
A_55_P2142	6907.9 Detected	4080.8 Detected	9164.4 Detected	5544.7 Detected	Glul	0.802660722	1.32665499	1.35872868	2.2457361
A_55_P2185	1252.1 Detected	1040.8 Detected	938 Detected	1005 Detected	Gm10914	0.802651545	0.74914144	0.96560338	0.9012298
A_51_P3752	2638.7 Detected	2012 Detected	1678.8 Detected	2117.9 Detected	Plk3	0.802630083	0.63622238	1.05263419	0.8343936
A_55_P1988	27006.5 Detected	17888.9 Detected	26301.9 Detected	21675.8 Detected	Stard7	0.802614185	0.97390998	1.21168993	1.4702916
A_55_P2187	21140.5 Detected	29025.4 Detected	26929.4 Detected	16967.5 Detected	Pop1	0.802606372	1.27382985	0.5845742	0.9277874
A_51_P4725	439.7 Detected	344.4 Detected	394.2 Detected	352.9 Detected	Arsk	0.802592677	0.89652035	1.0246806	1.1445993
A_66_P1313	199.5 Detected	12.1 Not Detect	2052.5 Detected	160.1 Detected	Ugt2b38	0.802506266	10.2882206	13.231405	169.6281
A_55_P2119	35517.2 Detected	26282.5 Detected	36049.5 Detected	28500 Detected	Set	0.802428119	1.0149871	1.08437173	1.3716161
A_52_P3426	169 Detected	158.1 Detected	115.9 Detected	135.6 Detected	Prss33	0.802366864	0.68579882	0.85768501	0.7330803
A_55_P2471	1596.9 Detected	1226.2 Detected	1861.7 Detected	1281.2 Detected	Snap23	0.802304465	1.16582128	1.04485402	1.5182678
A_55_P2014	38040.9 Detected	26244.2 Detected	31544.7 Detected	30519.2 Detected	Zfp771	0.802273343	0.82923117	1.16289313	1.2019684
A_66_P1280	121.8 Detected	114.5 Detected	171.5 Detected	97.7 Detected	AI846148	0.802134647	1.40804598	0.85327511	1.4978166
A_55_P1980	151.1 Detected	138.7 Detected	186.9 Detected	121.2 Detected	Gm10334	0.802117803	1.23692919	0.87382841	1.3475126
A_55_P2028	7435.5 Detected	5246 Detected	6774.3 Detected	5964.1 Detected	Atg13	0.802111492	0.91107525	1.13688525	1.2913267
A_52_P2735	11650.1 Detected	10601.3 Detected	10380.2 Detected	9344.4 Detected	Zc3h14	0.802087536	0.89099664	0.88143907	0.9791441
A_66_P1296	9461.3 Detected	6652.9 Detected	8862.9 Detected	7588.3 Detected	4930453N24Rik	0.802035661	0.93675288	1.14060034	1.332186
A_52_P5796	13810 Detected	13528.1 Detected	9407.3 Detected	11075.6 Detected	Rrs1	0.801998552	0.68119479	0.81871068	0.6953896
A_51_P2086	20.2 Detected	10.6 Not Detect	8.6 Not Detect	16.2 Not Detect	Dio2	0.801980198	0.42574257	1.52830189	0.8113208
A_55_P2032	105 Detected	108 Detected	125.8 Detected	84.2 Detected	Sfxn5	0.801904762	1.19809524	0.77962963	1.1648148
A_55_P2170	73.7 Detected	56.9 Detected	67.9 Detected	59.1 Detected	Chchd2	0.801899593	0.92130258	1.03866432	1.1933216
A_55_P2135	428.7 Detected	399.2 Detected	121.3 Detected	343.7 Detected	Sifn10-ps	0.801726149	0.28294845	0.86097194	0.3038577
A_55_P2086	23.7 Detected	24.1 Detected	27.1 Detected	19 Not Detect	Phldb3	0.801687764	1.14345992	0.78838174	1.1244813
A_55_P1996	6607.5 Detected	5153.6 Detected	5428.6 Detected	5296.4 Detected	Zfp936	0.801573969	0.82158154	1.02770879	1.0533608
A_55_P2356	103.3 Detected	46.3 Detected	60.2 Detected	82.8 Detected	6720483E21Rik	0.801548887	0.58276864	1.78833693	1.300216

A_52_P5068	240.3	Detected	165.1	Detected	159	Detected	192.6	Detected	Btbd7	0.801498127	0.66167291	1.16656572	0.9630527
A_52_P9980	688	Detected	676.5	Detected	649.9	Detected	551.4	Detected	Dpy19l3	0.801453488	0.94462209	0.81507761	0.96068
A_51_P4217	10947.3	Detected	6490.4	Detected	9716.2	Detected	8773.4	Detected	Slc12a7	0.801421355	0.88754305	1.35175028	1.497011
A_51_P1864	28.2	Detected	57.1	Detected	12.7	Not Detect	22.6	Not Detect	Slc11a1	0.80141844	0.45035461	0.39579685	0.2224168
A_55_P2087	14.6	Not Detect	32.8	Detected	17.7	Not Detect	11.7	Not Detect	Slc26a10	0.801369863	1.21232877	0.35670732	0.5396341
A_52_P4008	693.9	Detected	493.8	Detected	587.5	Detected	556	Detected	Zfp595	0.801268194	0.84666378	1.12596193	1.1897529
A_66_P1403	721.5	Detected	546.7	Detected	414.8	Detected	578.1	Detected	Mbnl3	0.801247401	0.57491337	1.05743552	0.7587342
A_51_P4305	5400.5	Detected	4186.4	Detected	4708.1	Detected	4327	Detected	Mtpn	0.801222109	0.87178965	1.03358494	1.1246178
A_55_P1986	8827.3	Detected	4093.2	Detected	4510	Detected	7072.2	Detected	Tulp4	0.801173632	0.510915	1.72779244	1.1018274
A_51_P2375	83334.6	Detected	62855.7	Detected	61371.2	Detected	66761.2	Detected	Eif1ax	0.801122223	0.73644321	1.06213438	0.9763824
A_55_P1971	2592.4	Detected	2415.3	Detected	2141.9	Detected	2076.8	Detected	Golga7b	0.80111094	0.82622281	0.85985178	0.886805
A_55_P2067	6476	Detected	4592.5	Detected	5238.4	Detected	5187.8	Detected	Slc10a3	0.801080914	0.80889438	1.12962439	1.1406424
A_51_P1447	26185.2	Detected	26001.4	Detected	22149.9	Detected	20975.4	Detected	2410002F23Rik	0.801040282	0.84589386	0.80670272	0.8518734
A_52_P3995	4604.8	Detected	3375.8	Detected	3245.6	Detected	3688.3	Detected	Ckap2l	0.800968555	0.70482974	1.09257065	0.9614314
A_55_P2180	9353.4	Detected	7876.6	Detected	10451.6	Detected	7491.1	Detected	Zfand5	0.800895931	1.11741185	0.95105756	1.3269177
A_52_P1789	26517	Detected	19825.2	Detected	22862.9	Detected	21233.2	Detected	Fam168b	0.800739148	0.86219784	1.07102072	1.1532242
A_52_P4668	35042.8	Detected	22251.3	Detected	31100.8	Detected	28056	Detected	Hnrnpd	0.800620955	0.88750899	1.26087015	1.3977071
A_55_P1967	185	Detected	148.1	Detected	139	Detected	148.1	Detected	Tmem198	0.800540541	0.75135135	1	0.938555
A_55_P1982	37.1	Detected	45.6	Detected	26.8	Detected	29.7	Not Detect	Spsb4	0.800539084	0.72237197	0.65131579	0.5877193
A_55_P2085	48847.3	Detected	28274.2	Detected	48973.7	Detected	39102.1	Detected	Chaf1b	0.80049665	1.00258766	1.38296044	1.7320985
A_66_P1286	543.3	Detected	314.9	Detected	544.9	Detected	434.9	Detected	Fut11	0.800478557	1.00294497	1.38107336	1.7303906
A_55_P2020	13904.4	Detected	12341.1	Detected	12344.3	Detected	11128.2	Detected	Camk2g	0.800336584	0.88779811	0.90171865	1.0002593
A_55_P2133	17192.9	Detected	9130.9	Detected	10875.9	Detected	13757	Detected	Steap2	0.800155878	0.63258089	1.50664228	1.1911093
A_55_P2019	602.3	Detected	583.2	Detected	177.3	Detected	481.9	Detected	Eno2	0.800099618	0.29437158	0.82630316	0.3040123
A_55_P2027	37770.6	Detected	27201.4	Detected	28199.3	Detected	30219.2	Detected	Gas2l1	0.800072014	0.74659391	1.11094282	1.0366856
A_51_P1100	350	Detected	761.9	Detected	3.6	Not Detect	280	Detected	Dmrta2	0.8	0.01028571	0.3675023	0.004725
A_55_P2137	23	Detected	34.1	Detected	14.3	Not Detect	18.4	Not Detect	Mpp3	0.8	0.62173913	0.53958944	0.4193548
A_51_P2081	1492.3	Detected	1524.9	Detected	1689.2	Detected	1193.2	Detected	Klhl25	0.799571132	1.13194398	0.78247754	1.1077448
A_51_P1407	66583.6	Detected	54705.7	Detected	53766.8	Detected	53237.8	Detected	Cops5	0.799563256	0.80750816	0.97316733	0.9828373
A_51_P3277	7044.5	Detected	6921.6	Detected	7097.1	Detected	5632.4	Detected	Pfdn2	0.799545745	1.00746682	0.81374249	1.0253554
A_55_P2130	23716.8	Detected	18421.7	Detected	26730.5	Detected	18961.9	Detected	Parva	0.799513425	1.12707026	1.02932411	1.4510333
A_51_P4856	155.1	Detected	127	Detected	138.4	Detected	124	Detected	3110052M02Rik	0.799484204	0.89232753	0.97637795	1.0897638
A_52_P2659	36.9	Detected	67.4	Detected	53.4	Detected	29.5	Not Detect	Trim36	0.799457995	1.44715447	0.43768546	0.7922849
A_55_P2175	99.2	Detected	72	Detected	59.6	Detected	79.3	Detected	Ftx	0.799395161	0.60080645	1.10138889	0.8277778
A_52_P2742	21364.5	Detected	15498.9	Detected	18909.2	Detected	17078.1	Detected	Maea	0.799368111	0.88507571	1.1018911	1.220035
A_55_P2131	284.6	Detected	145.1	Detected	163.6	Detected	227.5	Detected	Gm2590	0.799367533	0.57484188	1.56788422	1.1274983
A_55_P1952	123984.8	Detected	92136	Detected	106184.9	Detected	99099.5	Detected	Anapc5	0.799287493	0.85643482	1.07557849	1.15248
A_55_P2032	2245.4	Detected	2219.4	Detected	1698.4	Detected	1794.7	Detected	Zfp932	0.799278525	0.75639084	0.80864198	0.7652519
A_55_P2169	26743.5	Detected	24609.3	Detected	22314.4	Detected	21372.3	Detected	Gm10405	0.799158674	0.83438593	0.86846436	0.9067466
A_51_P5080	443.1	Detected	384.5	Detected	310.1	Detected	354.1	Detected	Zfp142	0.799142406	0.69984202	0.92093628	0.806502

A_55_P1980	75680.6	Detected	72303.6	Detected	73930.7	Detected	60474.2	Detected	Pcbp2	0.79907136	0.97687783	0.83639266	1.0225037
A_55_P2162	732	Detected	422.3	Detected	585.5	Detected	584.9	Detected	Pex6	0.799043716	0.79986339	1.38503434	1.3864551
A_55_P2053	75.6	Detected	49.3	Detected	50.4	Detected	60.4	Detected	Gabrg3	0.798941799	0.66666667	1.22515213	1.0223124
A_55_P2057	15147.7	Detected	14300.3	Detected	12895.7	Detected	12101.5	Detected	Scn8a	0.798900163	0.85133057	0.84624099	0.9017783
A_51_P3429	2805.6	Detected	2374.2	Detected	2531.1	Detected	2241	Detected	Sh3bp1	0.798759624	0.90215997	0.94389689	1.0660854
A_51_P4478	15.9	Detected	26	Detected	9.1	Not Detect	12.7	Not Detect	Sash3	0.798742138	0.57232704	0.48846154	0.35
A_55_P1968	6831	Detected	5339.8	Detected	5149.4	Detected	5455.8	Detected	Tceb1	0.798682477	0.75382814	1.02172366	0.9643432
A_52_P4915	3513	Detected	2510.4	Detected	3051.6	Detected	2805.7	Detected	1700017B05Rik	0.798662112	0.86865927	1.11763066	1.2155832
A_55_P1960	4943.2	Detected	3943	Detected	4389.1	Detected	3947.8	Detected	Srbd1	0.798632465	0.88790662	1.00121735	1.1131372
A_52_P1442	72.5	Detected	35.7	Detected	49.9	Detected	57.9	Detected	Tspyl3	0.79862069	0.68827586	1.62184874	1.3977591
A_51_P4645	28.3	Detected	21.8	Detected	41.9	Detected	22.6	Not Detect	Dnajc28	0.798586572	1.48056537	1.03669725	1.9220183
A_51_P2640	10775	Detected	9294.9	Detected	10595	Detected	8604.5	Detected	Pigf	0.798561485	0.98329466	0.92572271	1.1398724
A_55_P1966	29472.2	Detected	29073.4	Detected	25026.8	Detected	23534.8	Detected	Bpifc	0.798542355	0.84916633	0.80949597	0.8608144
A_52_P2947	13750.3	Detected	13125.8	Detected	13258.8	Detected	10979.2	Detected	Ndufaf2	0.798469852	0.96425533	0.83645949	1.0101327
A_55_P1958	10319.9	Detected	10517.2	Detected	10803.7	Detected	8239.2	Detected	Tcof1	0.798379829	1.0468803	0.78340243	1.0272411
A_51_P4221	7117.2	Detected	5042.1	Detected	3094.4	Detected	5682.1	Detected	Fam126a	0.798361715	0.43477772	1.12693124	0.6137125
A_51_P3592	14463.9	Detected	16295.4	Detected	14331.4	Detected	11547	Detected	Tmem9	0.7983324	0.99083926	0.70860488	0.8794752
A_55_P2238	11.9	Not Detect	25.3	Detected	8.6	Not Detect	9.5	Not Detect	5031415H12Rik	0.798319328	0.72268908	0.37549407	0.3399209
A_51_P3229	7625.5	Detected	7031.5	Detected	8236.6	Detected	6087.3	Detected	Ptrhd1	0.79828208	1.08013901	0.86571855	1.1713859
A_51_P2491	3418.5	Detected	1776.3	Detected	2008.3	Detected	2728.6	Detected	Pkd1	0.798186339	0.58747989	1.5361144	1.1306086
A_66_P1023	31.7	Detected	31.5	Detected	35.8	Detected	25.3	Not Detect	Calb1	0.798107256	1.12933754	0.8031746	1.1365079
A_55_P2025	7194.6	Detected	5465.2	Detected	6452.5	Detected	5741.7	Detected	C330007P06Rik	0.798056876	0.8968532	1.05059284	1.1806521
A_52_P3792	118.8	Detected	67.4	Detected	114.4	Detected	94.8	Detected	Zfp738	0.797979798	0.96296296	1.40652819	1.6973294
A_51_P1928	26040.5	Detected	19838.9	Detected	16820.5	Detected	20779.3	Detected	Grn	0.797960869	0.64593614	1.04740182	0.8478545
A_55_P2284	256.7	Detected	176.2	Detected	228.7	Detected	204.8	Detected	Zfp395	0.797818465	0.89092326	1.16231555	1.2979569
A_52_P3793	20990.1	Detected	19583	Detected	16006.3	Detected	16745.8	Detected	Rtn4	0.797795151	0.76256426	0.85511924	0.8173569
A_55_P2008	3365	Detected	3108.7	Detected	3197	Detected	2684.5	Detected	Nlk	0.797771174	0.95007429	0.86354425	1.0284042
A_52_P2758	98.4	Detected	91.8	Detected	121.2	Detected	78.5	Detected	Pign	0.797764228	1.23170732	0.85511983	1.3202614
A_55_P2088	6893.3	Detected	6392.7	Detected	5728.2	Detected	5499	Detected	Hpca	0.79773113	0.83098081	0.86019992	0.8960533
A_52_P2796	698	Detected	543.9	Detected	386.5	Detected	556.8	Detected	Lrp8	0.797707736	0.55372493	1.0237176	0.7106086
A_55_P1956	8181	Detected	7721.4	Detected	6875.5	Detected	6525.8	Detected	Dmtn	0.797677546	0.84042293	0.84515761	0.8904473
A_55_P2054	68720.6	Detected	60905.6	Detected	56511.4	Detected	54815.6	Detected	Ephb3	0.797658926	0.82233566	0.90000919	0.9278523
A_55_P2010	12073	Detected	8523.3	Detected	11997.6	Detected	9629.1	Detected	Fam73b	0.797573097	0.99375466	1.12973848	1.4076238
A_52_P6283	744.6	Detected	750.2	Detected	543.1	Detected	593.7	Detected	Foxred2	0.797340854	0.7293849	0.79138896	0.7239403
A_55_P2029	118.9	Detected	129.3	Detected	54.3	Detected	94.8	Detected	Cetn4	0.797308663	0.45668629	0.73317865	0.4199536
A_55_P2084	66.1	Detected	62.8	Detected	44.5	Detected	52.7	Not Detect	Trim71	0.797276853	0.67322239	0.83917197	0.7085987
A_55_P2020	50.3	Detected	34.1	Detected	36.7	Detected	40.1	Not Detect	LOC101056474	0.7972167	0.72962227	1.17595308	1.0762463
A_55_P2124	4597.8	Detected	6287.1	Detected	5519.9	Detected	3665.3	Detected	Nipsnap1	0.797185611	1.20055244	0.58298739	0.8779724
A_55_P1959	5963.2	Detected	5173.9	Detected	5099.2	Detected	4753.7	Detected	Pfdn4	0.797172659	0.85511135	0.91878467	0.9855621
A_55_P1987	21.2	Detected	22.8	Detected	61.5	Detected	16.9	Not Detect	Gm5622	0.797169811	2.9009434	0.74122807	2.6973684

A_55_P2037	15819.2	Detected	17656.2	Detected	14170.3	Detected	12610.5	Detected	Ran	0.797164206	0.8957659	0.71422503	0.8025679
A_66_P1038	218.4	Detected	165.6	Detected	138.1	Detected	174.1	Detected	Elk1	0.797161172	0.63232601	1.0513285	0.8339372
A_51_P4460	10966.4	Detected	8169.8	Detected	7419.8	Detected	8741.9	Detected	Phf13	0.797153122	0.67659396	1.07002619	0.9081985
A_55_P2174	295058	Detected	269771.1	Detected	284152.6	Detected	235205.3	Detected	Rpl7	0.797149374	0.96303981	0.87186989	1.05331
A_51_P1132	10085.1	Detected	6492.8	Detected	9413.1	Detected	8039.3	Detected	Hps6	0.797146285	0.93336705	1.23818691	1.4497751
A_65_P1843	4791.6	Detected	4356.1	Detected	5175.1	Detected	3819.6	Detected	Ankrd28	0.797145004	1.0800359	0.87683937	1.1880122
A_51_P2526	27.6	Detected	24.6	Detected	28.9	Detected	22	Not Detect	Olfr338	0.797101449	1.04710145	0.89430894	1.1747967
A_55_P2065	705.5	Detected	441.8	Detected	695.2	Detected	562.3	Detected	Gm14308	0.797023388	0.98540043	1.27274785	1.5735627
A_51_P3005	947.2	Detected	753.5	Detected	593.9	Detected	754.9	Detected	Slc30a1	0.796980574	0.62700591	1.001858	0.7881885
A_55_P2144	791.9	Detected	639.4	Detected	878.4	Detected	631.1	Detected	Zfp790	0.796944059	1.10923096	0.98701908	1.3737879
A_55_P1955	868.7	Detected	849.1	Detected	940.8	Detected	692.3	Detected	LOC101056084	0.796937953	1.08299758	0.81533388	1.1079967
A_52_P2140	44.3	Detected	58	Detected	59.2	Detected	35.3	Not Detect	Zbtb46	0.796839729	1.33634312	0.60862069	1.0206897
A_55_P1965	42.8	Detected	41.1	Detected	14.9	Not Detect	34.1	Not Detect	9430091E24Rik	0.796728972	0.34813084	0.8296837	0.3625304
A_55_P1957	5697.6	Detected	3502.4	Detected	5494	Detected	4539.3	Detected	Obfc1	0.796703875	0.96426566	1.29605413	1.5686386
A_55_P2158	9508	Detected	6883.9	Detected	7961.5	Detected	7574.9	Detected	Knstrn	0.796687	0.8373475	1.10037915	1.1565392
A_66_P1020	26898.7	Detected	18554.5	Detected	23954.2	Detected	21427.3	Detected	Pkmyt1	0.7965924	0.89053374	1.15483036	1.2910184
A_51_P2065	945.3	Detected	637.8	Detected	497.4	Detected	753	Detected	Runx1	0.796572517	0.52618216	1.18062088	0.7798683
A_51_P3142	6435.7	Detected	6035	Detected	6172.6	Detected	5126.4	Detected	Parp1	0.796556707	0.95911867	0.8494449	1.0228003
A_55_P2376	16.7	Detected	10.6	Not Detect	5.8	Not Detect	13.3	Not Detect	4930558K02Rik	0.796407186	0.34730539	1.25471698	0.5471698
A_55_P2092	16.2	Detected	12.1	Not Detect	10.6	Not Detect	12.9	Not Detect	Sec61a2	0.796296296	0.65432099	1.0661157	0.8760331
A_55_P2371	32.4	Detected	34.2	Detected	30.6	Detected	25.8	Not Detect	Kcnp3	0.796296296	0.94444444	0.75438596	0.8947368
A_55_P2040	6321.8	Detected	4349.1	Detected	5890.3	Detected	5033.5	Detected	Cdv3	0.796213104	0.93174412	1.15736589	1.3543722
A_52_P1001	1179.1	Detected	706.6	Detected	1094.7	Detected	938.8	Detected	Abhd10	0.796200492	0.92841998	1.32861591	1.5492499
A_66_P1285	7830.4	Detected	5754.7	Detected	5844.7	Detected	6234.3	Detected	Lims1	0.796166224	0.74641142	1.08334057	1.0156394
A_55_P2119	54276.4	Detected	44837.3	Detected	60115.9	Detected	43211.4	Detected	Ndufv2	0.796136074	1.1075882	0.96373778	1.3407565
A_52_P3730	25.5	Detected	21.8	Detected	18.2	Detected	20.3	Not Detect	Adam26a	0.796078431	0.71372549	0.93119266	0.8348624
A_55_P1953	15.2	Detected	23.7	Detected	3.2	Not Detect	12.1	Not Detect	Osbpl6	0.796052632	0.21052632	0.51054852	0.1350211
A_55_P1978	3220.9	Detected	2288.3	Detected	2424.7	Detected	2563.9	Detected	Aven	0.796019746	0.75280201	1.12043875	1.0596076
A_55_P2180	3563.9	Detected	2961.8	Detected	3041.4	Detected	2836.8	Detected	Psmd10	0.79598193	0.85339095	0.95779593	1.0268755
A_55_P2061	83489.4	Detected	60624	Detected	81992.8	Detected	66448.6	Detected	Set	0.795892652	0.98207437	1.09607746	1.3524809
A_51_P4876	58.3	Detected	68.6	Detected	19.7	Detected	46.4	Not Detect	H2afy3	0.795883362	0.33790738	0.67638484	0.287172
A_51_P1916	3948.9	Detected	3016.2	Detected	3083.5	Detected	3142.7	Detected	Ndc80	0.79584188	0.78085036	1.04194019	1.0223128
A_55_P2138	12330.1	Detected	9379.6	Detected	11793.3	Detected	9812.8	Detected	Ube2d2a	0.795841072	0.95646426	1.04618534	1.2573351
A_55_P2330	872.6	Detected	694.1	Detected	694.8	Detected	694.4	Detected	Zfp81	0.795782718	0.79624112	1.00043221	1.0010085
A_51_P1580	802	Detected	607.9	Detected	746.1	Detected	638.2	Detected	Dalrd3	0.795760599	0.93029925	1.04984372	1.22734
A_55_P2030	52295.3	Detected	50672.9	Detected	48046.9	Detected	41613.9	Detected	Actr10	0.795748375	0.91876134	0.82122594	0.9481774
A_52_P6395	6380.4	Detected	5090.2	Detected	6034.7	Detected	5076.5	Detected	Tinf2	0.795639772	0.94581844	0.99730855	1.1855526
A_55_P2109	9590.1	Detected	8250	Detected	8903.6	Detected	7629.1	Detected	Rnps1	0.795518295	0.92841576	0.92473939	1.0792242
A_55_P1967	66	Detected	63.9	Detected	32.2	Detected	52.5	Detected	Fgfr1	0.795454545	0.48787879	0.82159624	0.5039124
A_55_P2145	7247.7	Detected	7790.7	Detected	5407.4	Detected	5764.1	Detected	Wdr45	0.795300578	0.74608496	0.73986933	0.694084

A_51_P3898	3411.3	Detected	1944.9	Detected	3091.1	Detected	2713	Detected	Slc35f5	0.79529798	0.90613549	1.39493033	1.5893362	
A_55_P1962	60252.3	Detected	38338.5	Detected	47358.3	Detected	47907	Detected	Nckap1	0.795106577	0.78599987	1.2495794	1.2352674	
A_55_P2071	3103.5	Detected	2620.5	Detected	2151.7	Detected	2467.5	Detected	Suv39h1	0.795070082	0.693314	0.9416142	0.8211028	
A_55_P1979	40	Detected	32.4	Detected	28.1	Detected	31.8	Not Detect	Klk11	0.795	0.7025	0.98148148	0.867284	
A_55_P2155	2351.9	Detected	2696.3	Detected	1982.7	Detected	1869.7	Detected	Eps8	0.794974276	0.84302054	0.69343174	0.735341	
A_55_P2068	4736.7	Detected	3304	Detected	4181.6	Detected	3765.1	Detected	9030624G23Rik	0.794878291	0.88280871	1.13955811	1.2656174	
A_55_P1985	7159.9	Detected	6694.5	Detected	6169	Detected	5691.1	Detected	Mef2a	0.79485747	0.86160421	0.85011577	0.9215027	
A_55_P2082	5518.4	Detected	4056.8	Detected	5182.1	Detected	4386	Detected	Fam160b1	0.794795593	0.93905842	1.0811477	1.2773861	
A_66_P1269	11.2	Not Detect	17.4	Detected	3.2	Not Detect	8.9	Not Detect	D730003K21Rik	0.794642857	0.28571429	0.51149425	0.183908	
A_55_P2141	13094.9	Detected	10057.6	Detected	12523.7	Detected	10404.4	Detected	Erlin1	0.794538332	0.95637996	1.03448139	1.2451977	
A_51_P1731	31576.9	Detected	46022.5	Detected	26959.4	Detected	25083.5	Detected	Pttg1ip	0.794362334	0.85376969	0.54502689	0.5857874	
A_55_P1998	10339.3	Detected	10132.8	Detected	11186	Detected	8213	Detected	LOC101056029	0.79434778	1.08189142	0.81053608	1.1039397	
A_55_P2171	20126.3	Detected	14300.4	Detected	20261.6	Detected	15985.8	Detected	Ppp1r7	0.794274159	1.00672255	1.11785684	1.4168555	
A_51_P4618	295.5	Detected	243.4	Detected	261.5	Detected	234.7	Detected	Tbp	0.794247039	0.88494078	0.96425637	1.0743632	
A_55_P1990	55957.3	Detected	42879.2	Detected	47124	Detected	44443.8	Detected	Ptp4a1	0.794244897	0.84214213	1.03648855	1.0989944	
A_55_P1953	21171.9	Detected	22057.3	Detected	21511.4	Detected	16813.4	Detected	Hspe1	0.794137512	1.01603541	0.76226011	0.9752508	
A_51_P1263	1531.5	Detected	1350.9	Detected	1033	Detected	1216.1	Detected	Rbmx2	0.794058113	0.67450212	0.90021467	0.7646754	
A_55_P2006	3187.7	Detected	2416.6	Detected	2557.5	Detected	2531.2	Detected	Rbbp6	0.794052138	0.8023026	1.047422	1.0583051	
A_55_P2068	56.8	Detected	47.1	Detected	28.9	Detected	45.1	Detected	Ago3	0.794014085	0.50880282	0.95753715	0.6135881	
A_51_P1958	66.5	Detected	70.4	Detected	67.9	Detected	52.8	Not Detect	Notch4	0.793984962	1.02105263	0.75	0.9644886	
A_55_P2050	36103.3	Detected	30391.4	Detected	31269.3	Detected	28664.2	Detected	Nup35	0.793949584	0.86610642	0.94316813	1.0288865	
A_55_P1970	789.2	Detected	544	Detected	862.9	Detected	626.4	Detected	Kdm3b	0.793715155	1.09338571	1.15147059	1.5862132	
A_51_P4392	613.6	Detected	557.8	Detected	476.3	Detected	487	Detected	Relt	0.793676662	0.77623859	0.87307279	0.8538903	
A_52_P6135	600.4	Detected	201.4	Detected	114.8	Detected	476.5	Detected	Vav3	0.793637575	0.19120586	2.36593843	0.5700099	
A_51_P1588	726.8	Detected	309.1	Detected	478.3	Detected	576.8	Detected	Marveld1	0.79361585	0.65809026	1.86606276	1.5473957	
A_55_P2039	18253.3	Detected	11835.8	Detected	11256.1	Detected	14484.9	Detected	Arhgap23	0.79354966	0.6166611	1.22382095	0.9510215	
A_55_P2062	7597.6	Detected	5771.2	Detected	7576.5	Detected	6027.9	Detected		7-Mar	0.793395283	0.99722281	1.04447948	1.3128119
A_55_P1997	9833.2	Detected	13285	Detected	6994.8	Detected	7801.6	Detected	Pla2g4a	0.793393809	0.71134524	0.58724878	0.5265186	
A_55_P2049	12.1	Not Detect	15.3	Not Detect	19.9	Detected	9.6	Not Detect	Ttc16	0.79338843	1.6446281	0.62745098	1.3006536	
A_55_P2099	39590.3	Detected	38150.9	Detected	33073.4	Detected	31407.9	Detected	Cers5	0.793323112	0.8353915	0.8232545	0.8669101	
A_66_P1106	426.7	Detected	413.2	Detected	417.1	Detected	338.5	Detected	Taf1a	0.793297399	0.97750176	0.81921588	1.0094385	
A_51_P3232	35264.7	Detected	26282.9	Detected	32122.5	Detected	27974.1	Detected	Trim28	0.793260683	0.91089673	1.06434602	1.2221825	
A_55_P2017	264.1	Detected	227.1	Detected	193.2	Detected	209.5	Detected	Ehbp1	0.793260129	0.73154108	0.9225011	0.8507266	
A_52_P3542	239.8	Detected	203.3	Detected	281.8	Detected	190.2	Detected	Eri2	0.793160967	1.17514595	0.93556321	1.3861289	
A_51_P2104	41953	Detected	33620.9	Detected	39893	Detected	33274.4	Detected	Mrpl18	0.793135175	0.95089743	0.98969391	1.1865536	
A_55_P2090	54342.9	Detected	39204.8	Detected	52832.1	Detected	43099.1	Detected	BC085271	0.793095326	0.97219876	1.09933222	1.3475926	
A_55_P2026	298.2	Detected	33.9	Detected	1106.7	Detected	236.5	Detected	Pilrb1	0.793091885	3.71126761	6.97640118	32.646018	
A_51_P1140	6292.5	Detected	5129.4	Detected	6204.8	Detected	4989.9	Detected	Bcl7c	0.792991657	0.98606277	0.97280384	1.2096542	
A_51_P4178	1297.2	Detected	737.1	Detected	1020.7	Detected	1028.4	Detected	Hdac4	0.792784459	0.7868486	1.3951974	1.3847511	
A_52_P2235	3096.8	Detected	3011.3	Detected	3173.8	Detected	2454.9	Detected	Mlec	0.792721519	1.02486438	0.8152293	1.0539634	

A_55_P2016	1860.1	Detected	1670.7	Detected	1198.4	Detected	1474.5	Detected	Rbm12b2	0.792699317	0.64426644	0.88256419	0.7173041
A_51_P3514	1172.7	Detected	813.9	Detected	1067.6	Detected	929.5	Detected	Phospho2	0.792615332	0.91037776	1.14203219	1.3117091
A_52_P5022	3287.6	Detected	2227.9	Detected	2738.6	Detected	2605.5	Detected	Epc2	0.792523421	0.83300888	1.16948696	1.2292293
A_65_P0645	35046.3	Detected	29167	Detected	30480.2	Detected	27774.8	Detected	Nup35	0.792517327	0.86971235	0.95226797	1.0450235
A_52_P3748	108.9	Detected	85.1	Detected	107.9	Detected	86.3	Detected	Atp6v1g2	0.792470156	0.99081726	1.01410106	1.2679201
A_51_P4177	102.6	Detected	45.5	Detected	76.7	Detected	81.3	Detected	Prop1	0.792397661	0.74756335	1.78681319	1.6857143
A_55_P2032	13	Not Detect	28.7	Detected	31.9	Detected	10.3	Not Detect	Slc4a5	0.792307692	2.45384615	0.35888502	1.1114983
A_55_P2180	41.4	Detected	30.1	Detected	33.6	Detected	32.8	Not Detect	Tbc1d21	0.792270531	0.8115942	1.089701	1.1162791
A_52_P2362	30.8	Detected	39.6	Detected	28.9	Detected	24.4	Not Detect	Gast	0.792207792	0.93831169	0.61616162	0.729798
A_55_P1985	5728	Detected	5263.2	Detected	5728.1	Detected	4537.7	Detected	Psmd9	0.792196229	1.00001746	0.8621561	1.0883303
A_55_P1973	42290.7	Detected	39828.1	Detected	36209.3	Detected	33501.9	Detected	I730030J21Rik	0.79218126	0.85620006	0.8411624	0.9091395
A_55_P2127	48117.9	Detected	42038	Detected	39739.6	Detected	38115.1	Detected	Racgap1	0.792118941	0.82587977	0.90668205	0.9453257
A_55_P2286	445.4	Detected	409.6	Detected	389.7	Detected	352.8	Detected	4933405E24Rik	0.792096991	0.87494387	0.86132813	0.951416
A_55_P2115	52.9	Detected	41.4	Detected	30.5	Detected	41.9	Not Detect	Slc26a1	0.792060491	0.57655955	1.01207729	0.736715
A_51_P1018	884.1	Detected	522	Detected	699.2	Detected	700.2	Detected	Dlg1	0.791991856	0.79086076	1.34137931	1.3394636
A_52_P3058	4345.5	Detected	4340.8	Detected	3669.6	Detected	3441.4	Detected	2410002F23Rik	0.791945691	0.84445979	0.79280317	0.8453741
A_55_P2101	299.9	Detected	201.5	Detected	194.7	Detected	237.5	Detected	Zhx3	0.791930644	0.64921641	1.17866005	0.9662531
A_51_P1528	8054.6	Detected	8309.9	Detected	6866.9	Detected	6378.5	Detected	Golt1b	0.79190773	0.85254389	0.76757843	0.8263517
A_55_P2055	66.3	Detected	51.7	Detected	59.2	Detected	52.5	Detected	Park2	0.791855204	0.89291101	1.01547389	1.1450677
A_55_P1983	29.3	Detected	19.9	Detected	22.2	Detected	23.2	Not Detect	Rcbtb1	0.791808874	0.75767918	1.16582915	1.1155779
A_55_P2017	2130.2	Detected	1531.6	Detected	2389.1	Detected	1686.6	Detected	BC068157	0.791756643	1.12153788	1.10120136	1.559872
A_55_P2042	14929.4	Detected	9899.1	Detected	13808.2	Detected	11820.4	Detected	Rfwd2	0.791753185	0.92489986	1.19408835	1.3948945
A_52_P3023	1096.5	Detected	932.8	Detected	1000.9	Detected	868	Detected	Lnpep	0.791609667	0.9128135	0.93053173	1.073006
A_55_P1972	45.1	Detected	52.6	Detected	33.1	Detected	35.7	Not Detect	Gm11544	0.791574279	0.73392461	0.67870722	0.6292776
A_55_P2184	42.7	Detected	22.2	Detected	18.6	Detected	33.8	Not Detect	Ago1	0.791569087	0.43559719	1.52252252	0.8378378
A_52_P4258	3870.7	Detected	3022.1	Detected	3940	Detected	3063.9	Detected	Iqsec1	0.79156225	1.01790374	1.01383144	1.3037292
A_51_P4556	15477.5	Detected	11131.1	Detected	13392	Detected	12251.2	Detected	Psmd5	0.791549023	0.86525602	1.10062797	1.2031156
A_55_P1988	21398.2	Detected	16213.5	Detected	19177.8	Detected	16937.6	Detected	Naa20	0.791543214	0.89623426	1.04466031	1.1828291
A_51_P1598	9762.5	Detected	6489.3	Detected	9124.1	Detected	7727	Detected	Dnajc1	0.791498079	0.93460691	1.19072935	1.4060222
A_55_P2049	93017.6	Detected	77272.9	Detected	77212.2	Detected	73621.6	Detected	Erp29	0.791480322	0.83008162	0.95274799	0.9992145
A_55_P2467	264.2	Detected	216.3	Detected	194.4	Detected	209.1	Detected	Zyg11b	0.791445874	0.73580621	0.9667129	0.8987517
A_55_P2089	918.2	Detected	783	Detected	789.2	Detected	726.7	Detected	Pole	0.791439773	0.85950773	0.92809706	1.0079183
A_55_P2169	16310.3	Detected	20786.5	Detected	3863.7	Detected	12908.5	Detected	Ccdc80	0.791432408	0.23688712	0.62100402	0.1858754
A_55_P2053	27968	Detected	17939.6	Detected	25446.7	Detected	22133.7	Detected	St6galnac6	0.791393736	0.90985054	1.23379005	1.4184653
A_52_P4708	483.6	Detected	380.8	Detected	412.4	Detected	382.7	Detected	Mipol1	0.791356493	0.85277089	1.0049895	1.0829832
A_51_P3249	51206.1	Detected	52364.5	Detected	49343.5	Detected	40521.4	Detected	Mcm3	0.791339313	0.96362543	0.77383342	0.9423082
A_51_P1331	33294.6	Detected	27625.1	Detected	34743.2	Detected	26344.5	Detected	Kif20a	0.791254438	1.04350856	0.95364361	1.2576678
A_55_P1975	527.4	Detected	416.9	Detected	415.6	Detected	417.3	Detected	Tcf3	0.791240046	0.78801669	1.00095946	0.9968817
A_55_P2162	1351.3	Detected	830.1	Detected	1006.1	Detected	1069.1	Detected	Cacfd1	0.791164064	0.74454229	1.28791712	1.2120226
A_52_P4349	20479.4	Detected	15836.6	Detected	13445.4	Detected	16202.5	Detected	Ubqln1	0.791160874	0.65653291	1.02310471	0.849008

A_51_P4928	219.3 Detected	149.6 Detected	174.9 Detected	173.5 Detected	Foxp4	0.791153671	0.79753762	1.15975936	1.1691176
A_51_P4005	10857.9 Detected	8090.5 Detected	9366.2 Detected	8590.1 Detected	Api5	0.79113825	0.86261616	1.06175144	1.1576788
A_55_P1989	259.9 Detected	158.1 Detected	277 Detected	205.6 Detected	Bag6	0.79107349	1.06579454	1.30044276	1.7520557
A_55_P2303	26.8 Detected	26.3 Detected	31.6 Detected	21.2 Not Detect	5033421B08Rik	0.791044776	1.17910448	0.80608365	1.2015209
A_51_P5077	86.6 Detected	62.3 Detected	58.6 Detected	68.5 Detected	Tubgcp6	0.790993072	0.67667436	1.09951846	0.94061
A_55_P2000	101.9 Detected	85.6 Detected	79.7 Detected	80.6 Detected	Cln6	0.790971541	0.78213935	0.94158879	0.9310748
A_66_P1360	721.9 Detected	750.2 Detected	650.3 Detected	571 Detected	Trim13	0.790968278	0.90081729	0.76113037	0.8668355
A_55_P1993	1193.7 Detected	785 Detected	1172.9 Detected	944.1 Detected	Slx4ip	0.790902237	0.98257519	1.20267516	1.4941401
A_66_P1397	3410.7 Detected	1371.9 Detected	944 Detected	2697.5 Detected	Ppap2b	0.790893365	0.27677603	1.96625118	0.6880968
A_55_P1968	1546 Detected	1081 Detected	1287.3 Detected	1222.6 Detected	Rasa1	0.790815006	0.83266494	1.13098982	1.1908418
A_51_P1572	1286.2 Detected	4551.1 Detected	799.7 Detected	1017.1 Detected	Sdc2	0.790779039	0.621754	0.22348443	0.1757158
A_55_P2201	60.2 Detected	63.1 Detected	53.8 Detected	47.6 Not Detect	Slc30a7	0.790697674	0.89368771	0.75435816	0.8526149
A_55_P2083	13592.6 Detected	11021.8 Detected	11713.4 Detected	10747.4 Detected	Zfp664	0.790680223	0.8617483	0.97510389	1.0627484
A_55_P2186	131.3 Detected	67.4 Detected	26.8 Detected	103.8 Detected	Anks6	0.790555979	0.20411272	1.54005935	0.3976261
A_55_P2002	52581.3 Detected	47170.8 Detected	35685.7 Detected	41567.6 Detected	Pgs1	0.790539602	0.67867664	0.88121465	0.756521
A_55_P1973	1384.9 Detected	1446.9 Detected	1036.1 Detected	1094.5 Detected	Bbs12	0.79030977	0.74814066	0.75644481	0.7160827
A_52_P5466	4065.8 Detected	3332 Detected	3220.1 Detected	3213.1 Detected	Zeb1	0.790274977	0.79199666	0.96431573	0.9664166
A_52_P6451	574.4 Detected	375.5 Detected	350.3 Detected	453.9 Detected	Herc6	0.790215877	0.60985376	1.20878828	0.9328895
A_55_P1965	855.1 Detected	791 Detected	844 Detected	675.7 Detected	Cdc5l	0.790199977	0.98701906	0.85423515	1.0670038
A_55_P2048	3769.1 Detected	2751.9 Detected	3539 Detected	2977.6 Detected	Apool	0.790002918	0.93895094	1.08201606	1.2860206
A_55_P2127	646.5 Detected	573.5 Detected	548.6 Detected	510.7 Detected	Smcr8	0.789945862	0.84856922	0.89049695	0.9565824
A_55_P2155	224.7 Detected	286.5 Detected	92.7 Detected	177.5 Detected	Nin	0.789942145	0.41255007	0.61954625	0.3235602
A_52_P4938	5800.6 Detected	4420 Detected	4511.7 Detected	4581.7 Detected	Srpk1	0.789866566	0.77779885	1.03658371	1.0207466
A_55_P1964	185.1 Detected	151.3 Detected	133.2 Detected	146.2 Detected	Dnrtip1	0.789843328	0.71961102	0.96629213	0.8803701
A_52_P3433	3462.1 Detected	3220.6 Detected	3754.5 Detected	2734.4 Detected	Rpl7l1	0.789809653	1.08445741	0.84903434	1.1657766
A_51_P3109	3675 Detected	3039 Detected	3353.1 Detected	2902.2 Detected	Ppox	0.789714286	0.91240816	0.95498519	1.1033564
A_51_P4364	982.3 Detected	620.3 Detected	840.9 Detected	775.7 Detected	Zfp871	0.789677288	0.85605212	1.25052394	1.3556344
A_55_P2077	5475.7 Detected	3701.4 Detected	4777.1 Detected	4323.6 Detected	Ddr1	0.789597677	0.87241814	1.16809856	1.2906198
A_55_P2166	584.9 Detected	656.2 Detected	722.1 Detected	461.8 Detected	Cd44	0.789536673	1.23457001	0.70374886	1.1004267
A_51_P3116	1440.6 Detected	784.5 Detected	1115.9 Detected	1137.4 Detected	Ypel5	0.789532139	0.7746078	1.44984066	1.4224347
A_55_P2444	1270.3 Detected	939.8 Detected	753.9 Detected	1002.8 Detected	Tmem245	0.789419822	0.59348185	1.06703554	0.802192
A_52_P6798	395.3 Detected	191 Detected	258.8 Detected	312 Detected	Herc6	0.789273969	0.65469264	1.63350785	1.3549738
A_55_P2077	22.3 Detected	16.7 Detected	17.6 Detected	17.6 Not Detect	Itih4	0.789237668	0.78923767	1.05389222	1.0538922
A_51_P3533	5036.9 Detected	3877.7 Detected	5052.9 Detected	3975.3 Detected	Cript	0.789235442	1.00317656	1.02516956	1.3030663
A_55_P1984	2548.8 Detected	2798.3 Detected	2609.3 Detected	2011.6 Detected	Arrb2	0.789234149	1.02373666	0.71886503	0.932459
A_51_P3793	3490.2 Detected	2272 Detected	3734.3 Detected	2754.1 Detected	Lactb2	0.789095181	1.06993869	1.2121919	1.643618
A_55_P1983	7710.5 Detected	5299.6 Detected	5798.2 Detected	6083.7 Detected	Uhrf1bp1	0.78901498	0.75198755	1.14795456	1.0940826
A_52_P4203	6476.5 Detected	5038.5 Detected	4693.1 Detected	5109.3 Detected	Tnpo1	0.788898325	0.72463522	1.0140518	0.9314479
A_55_P2012	1523.4 Detected	985 Detected	1425.1 Detected	1201.8 Detected	Acvr2b	0.788893265	0.93547328	1.22010152	1.446802
A_55_P2018	43.1 Detected	27.6 Detected	23.5 Detected	34 Not Detect	4930590L14Rik	0.788863109	0.54524362	1.23188406	0.8514493

A_55_P2167	588.7 Detected	529 Detected	623.3 Detected	464.4 Detected	Hdhd2	0.788856803	1.05877357	0.8778828	1.1782609
A_55_P2060	16794.5 Detected	15659.7 Detected	13571.1 Detected	13247.2 Detected	Il15ra	0.788782042	0.80806812	0.84594213	0.8666258
A_66_P1262	30.3 Detected	34.5 Detected	19.5 Detected	23.9 Not Detect	Gdf7	0.788778878	0.64356436	0.69275362	0.5652174
A_55_P1988	725.2 Detected	1318.4 Detected	827.4 Detected	572 Detected	Mrc1	0.788747932	1.14092664	0.43385922	0.6275789
A_55_P2370	85.2 Detected	74.5 Detected	70.7 Detected	67.2 Detected	D1Erd704e	0.788732394	0.82981221	0.90201342	0.9489933
A_55_P2242	47.8 Detected	25.6 Detected	22.6 Detected	37.7 Not Detect	D2Erd127e	0.788702929	0.47280335	1.47265625	0.8828125
A_52_P5933	26.5 Detected	21.1 Detected	21.3 Detected	20.9 Not Detect	Lym7	0.788679245	0.80377358	0.99052133	1.0094787
A_55_P1996	50761.9 Detected	38597.2 Detected	38799.1 Detected	40026.8 Detected	Ube2c	0.788520524	0.76433506	1.03703896	1.0052309
A_51_P4112	11107.3 Detected	10398.8 Detected	11275.5 Detected	8758.2 Detected	Nup50	0.788508458	1.01514319	0.8422318	1.0843078
A_55_P2087	7687.2 Detected	6458 Detected	7303.2 Detected	6061.3 Detected	Tinf2	0.788492559	0.95004683	0.93857231	1.1308764
A_51_P2894	4047.8 Detected	1930.3 Detected	2495.3 Detected	3191.5 Detected	Spg11	0.788452987	0.61645832	1.65336994	1.2927006
A_52_P4946	381.8 Detected	242.9 Detected	328.5 Detected	301 Detected	Kansl1l	0.788370875	0.86039811	1.23919308	1.3524084
A_55_P2076	835.8 Detected	748.4 Detected	769.4 Detected	658.9 Detected	Wrb	0.788346494	0.92055516	0.88041154	1.0280599
A_55_P2085	13.7 Detected	36.2 Detected	12.7 Not Detect	10.8 Not Detect	Gm13119	0.788321168	0.9270073	0.29834254	0.3508287
A_55_P2021	90147.6 Detected	80500.8 Detected	98960.7 Detected	71054.8 Detected	Prmt1	0.788205121	1.097763	0.88265955	1.2293132
A_55_P2029	38917.4 Detected	36692.7 Detected	33323 Detected	30672.6 Detected	Btn1a1	0.788146176	0.85624939	0.83593194	0.9081643
A_55_P2156	386.5 Detected	251.8 Detected	345.9 Detected	304.6 Detected	Clcn5	0.788098318	0.89495472	1.20969023	1.3737093
A_52_P1343	9124.5 Detected	7578 Detected	7766.5 Detected	7190.7 Detected	Psmd12	0.788065099	0.85116993	0.94889153	1.0248746
A_51_P3493	988.4 Detected	765.3 Detected	794.6 Detected	778.9 Detected	Npc1	0.788041279	0.80392554	1.01777081	1.0382856
A_55_P1964	81510.3 Detected	76675.2 Detected	67286.2 Detected	64232.9 Detected	Rpa1	0.78803415	0.82549322	0.83772719	0.8775484
A_52_P5828	5866.2 Detected	4984.8 Detected	5151.5 Detected	4621.7 Detected	Dgkd	0.787852443	0.87816645	0.92715856	1.0334417
A_52_P1129	18405.5 Detected	13210.8 Detected	14970.4 Detected	14500.7 Detected	Ywhab	0.787846024	0.81336557	1.09763981	1.1331941
A_55_P1968	24.5 Detected	12.3 Not Detect	21.8 Detected	19.3 Not Detect	Naalad1l	0.787755102	0.88979592	1.56910569	1.7723577
A_51_P1739	16467 Detected	14531.5 Detected	16688 Detected	12971.4 Detected	Pdrg1	0.787720896	1.01342078	0.89264013	1.1484017
A_55_P2028	7609.3 Detected	7056.4 Detected	6405.3 Detected	5993.4 Detected	Dnajc19	0.787641439	0.84177257	0.84935661	0.9077292
A_55_P2427	22.6 Detected	14.4 Not Detect	10 Not Detect	17.8 Not Detect	3110068a07rik	0.787610619	0.44247788	1.23611111	0.6944444
A_55_P2056	11.3 Not Detect	27.2 Detected	18.2 Detected	8.9 Not Detect	Slc4a9	0.787610619	1.61061947	0.32720588	0.6691176
A_55_P2033	92.7 Detected	51.3 Detected	30.8 Detected	73 Detected	Bahcc1	0.787486516	0.33225458	1.42300195	0.6003899
A_65_P1340	1785.8 Detected	1306.4 Detected	1759.2 Detected	1406.2 Detected	Rnf14	0.787434203	0.98510471	1.07639314	1.3466013
A_55_P2166	8649.5 Detected	7870.8 Detected	6785.7 Detected	6810.9 Detected	Rnf215	0.7874328	0.78451934	0.8653377	0.862136
A_55_P1991	94828.4 Detected	85564 Detected	76806 Detected	74668.8 Detected	Fam219a	0.787409679	0.80994723	0.87266607	0.8976439
A_51_P4867	22.1 Detected	27 Detected	15.9 Not Detect	17.4 Not Detect	Tmem247	0.787330317	0.71945701	0.64444444	0.5888889
A_55_P2074	29543.4 Detected	18928.4 Detected	26976 Detected	23260 Detected	Ppm1b	0.787316287	0.91309734	1.22884132	1.4251601
A_55_P2173	23.5 Detected	18.9 Detected	23.1 Detected	18.5 Not Detect	Pcdhb1	0.787234043	0.98297872	0.97883598	1.2222222
A_55_P2184	1869.8 Detected	1663.1 Detected	1771.2 Detected	1471.7 Detected	Rpap2	0.787089528	0.94726709	0.88491372	1.0649991
A_55_P1957	118.8 Detected	89 Detected	141.8 Detected	93.5 Detected	Obfc1	0.787037037	1.19360269	1.0505618	1.5932584
A_51_P4976	216 Detected	175.1 Detected	97.2 Detected	170 Detected	Ntn4	0.787037037	0.45	0.97087379	0.5551114
A_55_P1968	46 Detected	42.4 Detected	31.3 Detected	36.2 Not Detect	Rpgr	0.786956522	0.68043478	0.85377358	0.7382075
A_55_P2258	74.6 Detected	88.3 Detected	34.1 Detected	58.7 Detected	5230400M03Rik	0.786863271	0.45710456	0.66477916	0.3861835
A_52_P5561	83328.3 Detected	57591.2 Detected	76761.8 Detected	65562.9 Detected	Vapb	0.786802323	0.92119724	1.13841872	1.3328738

A_55_P1971	3479.8	Detected	2285.6	Detected	2966.7	Detected	2737.6	Detected	Gm4425	0.78671188	0.852549	1.19775989	1.2979961
A_55_P2119	11697.9	Detected	6927.6	Detected	11157.5	Detected	9202.7	Detected	Ggh	0.786696758	0.95380367	1.32841099	1.6105866
A_55_P2186	3066.6	Detected	2900.6	Detected	2581.1	Detected	2412.4	Detected	Gm1976	0.786669275	0.84168134	0.83169	0.8898504
A_65_P0687	1185	Detected	1073.5	Detected	1073.8	Detected	932.2	Detected	Fam210a	0.786666667	0.90616034	0.86837448	1.0002795
A_55_P2059	70.3	Detected	38.4	Detected	3.2	Not Detect	55.3	Detected	Foxf1	0.786628734	0.0455192	1.44010417	0.0833333
A_65_P2017	1443.8	Detected	1211.2	Detected	1043.4	Detected	1135.7	Detected	Jade1	0.786604793	0.72267627	0.93766513	0.8614597
A_55_P1976	591.6	Detected	422.6	Detected	555	Detected	465.3	Detected	Strn	0.786511156	0.93813387	1.10104117	1.3132986
A_55_P2053	139.1	Detected	85.2	Detected	99.1	Detected	109.4	Detected	Myo9a	0.786484543	0.7124371	1.28403756	1.1631455
A_51_P3653	98.3	Detected	89.9	Detected	78.1	Detected	77.3	Detected	Pcf11	0.78636826	0.79450661	0.85984427	0.868743
A_52_P1711	4151.1	Detected	3375.7	Detected	3111.2	Detected	3264.1	Detected	Znrf1	0.786321698	0.74948809	0.96694019	0.9216459
A_55_P1993	29346	Detected	21263.7	Detected	24361.6	Detected	23075.2	Detected	Ftsj1	0.786315	0.83015062	1.08519213	1.1456896
A_55_P1978	668.1	Detected	528	Detected	667.1	Detected	525.3	Detected	Zfp64	0.786259542	0.99850322	0.99488636	1.263447
A_55_P2106	3549.4	Detected	2416.9	Detected	4326.5	Detected	2790.7	Detected	Clcn5	0.786245563	1.21893841	1.15466093	1.790103
A_52_P5436	27.6	Detected	31.7	Detected	21.1	Detected	21.7	Not Detect	Pibf1	0.786231884	0.76449275	0.68454259	0.6656151
A_55_P2025	689.7	Detected	482.2	Detected	726.5	Detected	542.2	Detected	C330007P06Rik	0.786138901	1.05335653	1.1244297	1.5066363
A_52_P1624	272.4	Detected	204.9	Detected	280.1	Detected	214.1	Detected	Bgn	0.785976505	1.02826725	1.04489995	1.3670083
A_55_P2033	75855.4	Detected	64671.6	Detected	93928.5	Detected	59618.3	Detected	Prdx5	0.785946683	1.23825726	0.92186215	1.4523918
A_55_P2030	43.9	Detected	27.4	Detected	25	Detected	34.5	Not Detect	Dnah6	0.785876993	0.56947608	1.25912409	0.9124088
A_55_P2099	710.8	Detected	537	Detected	504.7	Detected	558.5	Detected	Ranbp9	0.785734384	0.71004502	1.04003724	0.939851
A_55_P2024	36.4	Detected	23.4	Detected	32.8	Detected	28.6	Not Detect	Dnah17	0.785714286	0.9010989	1.22222222	1.4017094
A_51_P5206	12.6	Not Detect	13.9	Not Detect	18	Detected	9.9	Not Detect	Mslnl	0.785714286	1.42857143	0.71223022	1.294964
A_55_P2180	98.9	Detected	172.6	Detected	104.1	Detected	77.7	Detected	AA684185	0.785642063	1.05257836	0.45017381	0.6031286
A_52_P2805	881.7	Detected	725.6	Detected	638.6	Detected	692.7	Detected	Gm14124	0.785641375	0.72428264	0.95465821	0.8800992
A_55_P2081	58.3	Detected	40.4	Detected	37.7	Detected	45.8	Detected	Zfp945	0.785591767	0.64665523	1.13366337	0.9331683
A_52_P5921	58.3	Detected	58	Detected	92.4	Detected	45.8	Detected	Zkscan8	0.785591767	1.58490566	0.78965517	1.5931034
A_51_P2760	2997	Detected	1449.9	Detected	6403.7	Detected	2354.4	Detected	Phyh	0.785585586	2.13670337	1.62383613	4.4166494
A_52_P3347	489	Detected	313.9	Detected	266	Detected	384.1	Detected	Agap3	0.785480573	0.54396728	1.2236381	0.8474036
A_55_P1986	8544.6	Detected	7518.5	Detected	8776	Detected	6710.1	Detected	Ppil1	0.785302998	1.02708143	0.89247855	1.1672541
A_55_P2155	1676.7	Detected	1973.3	Detected	1737.7	Detected	1316.7	Detected	Tmem9	0.785292539	1.03638099	0.66725789	0.8806061
A_55_P1991	18376.8	Detected	11710.8	Detected	17566.9	Detected	14431.1	Detected	Obfc1	0.78528906	0.95592813	1.23228985	1.5000598
A_55_P1971	163	Detected	252	Detected	89.5	Detected	128	Detected	Cd1d2	0.785276074	0.54907975	0.50793651	0.3551587
A_51_P1722	26693.9	Detected	16731.5	Detected	28995.7	Detected	20961.3	Detected	Gsdmd	0.785246817	1.08622944	1.25280459	1.7330006
A_55_P1979	15865.4	Detected	12338	Detected	10673.7	Detected	12458.1	Detected	Sepn1	0.785237057	0.67276589	1.00973415	0.8651078
A_55_P2156	4205.6	Detected	3604	Detected	4028.5	Detected	3301.4	Detected	Nt5c3b	0.785000951	0.95788948	0.91603774	1.1177858
A_55_P1974	20	Detected	16.7	Detected	17.4	Detected	15.7	Not Detect	Grin2a	0.785	0.87	0.94011976	1.0419162
A_55_P2114	253.9	Detected	206.9	Detected	227.5	Detected	199.3	Detected	Zfp111	0.784954707	0.89602206	0.96326728	1.099565
A_51_P2549	13948.7	Detected	12039.2	Detected	12686	Detected	10948.4	Detected	Rfc2	0.784904686	0.90947543	0.90939597	1.0537245
A_55_P1995	1615	Detected	988.8	Detected	1476.8	Detected	1267.6	Detected	LOC100504873	0.784891641	0.91442724	1.28195793	1.4935275
A_55_P2129	59.5	Detected	38.7	Detected	53.3	Detected	46.7	Not Detect	Sh3pdx2a	0.78487395	0.89579832	1.20671835	1.377261
A_55_P2099	32940.3	Detected	29811.1	Detected	27919.7	Detected	25851.9	Detected	Atxn7	0.784810703	0.84758487	0.86719041	0.9365538

A_55_P1956	115.7	Detected	82.9	Detected	99	Detected	90.8	Detected	Zfp60	0.784788245	0.85566119	1.09529554	1.1942099
A_52_P1590	211.2	Detected	163.3	Detected	219.5	Detected	165.7	Detected	Cds2	0.784564394	1.03929924	1.01469688	1.3441519
A_55_P1959	3541.8	Detected	2600.2	Detected	2908.8	Detected	2778.5	Detected	Helz2	0.784488113	0.82127732	1.06857165	1.1186832
A_51_P2760	39097.9	Detected	34081.6	Detected	39389.4	Detected	30671.4	Detected	Txndc15	0.784476916	1.00745564	0.89994014	1.155738
A_51_P1208	54.7	Detected	119.7	Detected	17.5	Not Detect	42.9	Not Detect	Mmp10	0.784277879	0.31992687	0.35839599	0.1461988
A_55_P2068	2603.1	Detected	2169.1	Detected	1995.4	Detected	2041.4	Detected	LOC101055823	0.784218816	0.76654758	0.94112766	0.9199207
A_52_P4186	66816.5	Detected	50998.5	Detected	49083.1	Detected	52391.7	Detected	Plp2	0.784113206	0.7345955	1.02731845	0.962442
A_55_P2186	273.7	Detected	247.6	Detected	152.9	Detected	214.6	Detected	Trappc2	0.78407015	0.55864085	0.86672052	0.6175283
A_55_P2181	244.4	Detected	222	Detected	204.1	Detected	191.6	Detected	Tmem54	0.78396072	0.83510638	0.86306306	0.9193694
A_55_P2045	753.6	Detected	1534.7	Detected	143.6	Detected	590.7	Detected	Rassf5	0.78383758	0.19055202	0.38489607	0.0935688
A_55_P2340	14.8	Detected	12.6	Not Detect	6.6	Not Detect	11.6	Not Detect	B230114P17Rik	0.783783784	0.44594595	0.92063492	0.5238095
A_55_P2372	60.1	Detected	51.8	Detected	59.8	Detected	47.1	Not Detect	9030607L02Rik	0.783693844	0.99500832	0.90926641	1.1544402
A_55_P2068	16843	Detected	14890	Detected	16601.6	Detected	13198	Detected	Cdc5l	0.783589622	0.98566764	0.88636669	1.1149496
A_55_P2091	41951.3	Detected	30278.9	Detected	41267.8	Detected	32864.3	Detected	Nudt3	0.783391695	0.9837073	1.08538619	1.3629227
A_55_P1967	672.9	Detected	1200.9	Detected	228.6	Detected	527.1	Detected	Foxc1	0.783325903	0.33972358	0.43892081	0.1903572
A_55_P1971	2513.7	Detected	2088.7	Detected	1661.8	Detected	1968.8	Detected	BC026590	0.783227911	0.66109719	0.94259587	0.7956145
A_55_P2019	29.5	Detected	41.4	Detected	18.7	Detected	23.1	Not Detect	Htr1d	0.783050847	0.63389831	0.55797101	0.4516908
A_66_P1296	40.1	Detected	24.4	Detected	26.9	Detected	31.4	Not Detect	Gm6225	0.783042394	0.67082294	1.28688525	1.102459
A_55_P2060	8268.4	Detected	2284.2	Detected	6905.7	Detected	6474.5	Detected	Mras	0.783041459	0.83519181	2.83447159	3.0232467
A_52_P6679	244.1	Detected	249.8	Detected	216.6	Detected	191.1	Detected	Pcdhga9	0.782875871	0.88734125	0.76501201	0.8670937
A_66_P1053	18606.7	Detected	13822.1	Detected	15299.5	Detected	14565.4	Detected	Adnp	0.782804044	0.82225757	1.0537762	1.1068868
A_55_P1999	6659.2	Detected	5282.8	Detected	6501.5	Detected	5212.8	Detected	Zfp668	0.782796732	0.97631848	0.98674945	1.2306921
A_66_P1289	3414.8	Detected	1325.2	Detected	2568.7	Detected	2672.8	Detected	Numbl	0.782710554	0.75222561	2.01690311	1.9383489
A_55_P2002	16867.2	Detected	16791.9	Detected	16147.4	Detected	13201.3	Detected	Ddx18	0.782661023	0.95732546	0.78617071	0.9616184
A_55_P2146	11.5	Not Detect	17.4	Detected	10.4	Not Detect	9	Not Detect	Olfrc481	0.782608696	0.90434783	0.51724138	0.5977011
A_51_P4419	16.1	Detected	22.3	Detected	9.5	Not Detect	12.6	Not Detect	Hsd17b2	0.782608696	0.59006211	0.56502242	0.426009
A_52_P3309	4211.6	Detected	3335.4	Detected	4302.7	Detected	3296	Detected	Lin9	0.782600437	1.02163073	0.98818732	1.2900102
A_51_P3177	505.9	Detected	360.4	Detected	493.3	Detected	395.9	Detected	Pcgf2	0.782565724	0.97509389	1.09850166	1.3687569
A_52_P5089	19.3	Detected	16.5	Not Detect	23.4	Detected	15.1	Not Detect	Evi2a-evi2b	0.78238342	1.21243523	0.91515152	1.4181818
A_55_P2178	321.2	Detected	92.9	Detected	378	Detected	251.3	Detected	Ugt1a10	0.78237858	1.17683686	2.7050592	4.0688913
A_51_P3545	41621.3	Detected	26268.1	Detected	32454.6	Detected	32555.3	Detected	Rab35	0.782178836	0.7797594	1.23934735	1.2355138
A_55_P1984	41.7	Detected	36	Detected	34.2	Detected	32.6	Not Detect	Depdc5	0.78177458	0.82014388	0.90555556	0.95
A_52_P1904	6606.7	Detected	4340.4	Detected	6619.3	Detected	5164.9	Detected	Ifnar2	0.781766994	1.00190715	1.18995945	1.5250438
A_55_P1979	3305.7	Detected	2044.4	Detected	2758.3	Detected	2584.2	Detected	Zfp946	0.78174063	0.83440724	1.26403835	1.3491978
A_55_P2199	89.8	Detected	59.9	Detected	55.9	Detected	70.2	Detected	5830443J22Rik	0.781737194	0.62249443	1.17195326	0.933222
A_55_P2175	10688.5	Detected	9239.9	Detected	11021.2	Detected	8354.7	Detected	Reep3	0.781653179	1.03112691	0.9041981	1.1927835
A_55_P2126	137201	Detected	125556.3	Detected	128471.5	Detected	107242.7	Detected	Rpl7	0.781646635	0.93637437	0.85414033	1.0232183
A_52_P8879	472.7	Detected	441	Detected	304.3	Detected	369.4	Detected	Zfp933	0.781468162	0.64374868	0.83764172	0.6900227
A_55_P2174	30966.2	Detected	21272.2	Detected	24220.5	Detected	24198.6	Detected	Brd4	0.781452035	0.78215926	1.13756922	1.1385987
A_51_P3753	12692.4	Detected	8597.1	Detected	12245.6	Detected	9918.5	Detected	Gemin7	0.781451892	0.96479783	1.15370299	1.4243873

A_51_P4559	1078.4	Detected	1082	Detected	551.2	Detected	842.7	Detected	F2r1	0.78143546	0.5111276	0.77883549	0.509427
A_52_P5536	291.2	Detected	204.6	Detected	238.5	Detected	227.5	Detected	Ttc17	0.78125	0.81902473	1.11192571	1.1656891
A_55_P2118	671.5	Detected	428.9	Detected	631.5	Detected	524.6	Detected	Lasp1	0.781236039	0.94043187	1.22312893	1.4723712
A_51_P4740	26.5	Detected	18.6	Detected	29.6	Detected	20.7	Not Detect	Erv3	0.781132075	1.11698113	1.11290323	1.5913978
A_55_P2157	1421.8	Detected	1364.3	Detected	1288.9	Detected	1110.5	Detected	Tagap1	0.781052187	0.90652694	0.81397053	0.9447336
A_55_P2142	122349.8	Detected	133943.9	Detected	91311.7	Detected	95560.7	Detected	Ywhaq	0.781045004	0.74631671	0.71343824	0.681716
A_55_P2085	5191.4	Detected	4024.7	Detected	3586.3	Detected	4053.8	Detected	Meaf6	0.780868359	0.69081558	1.00723035	0.8910726
A_55_P2018	21.9	Detected	16	Not Detect	14.1	Not Detect	17.1	Not Detect	Gm14085	0.780821918	0.64383562	1.06875	0.88125
A_55_P2066	33.3	Detected	3.8	Not Detect	95.3	Detected	26	Not Detect	Lcp1	0.780780781	2.86186186	6.84210526	25.078947
A_52_P4758	338.9	Detected	441	Detected	270.1	Detected	264.6	Detected	Nol10	0.780761287	0.79699026	0.6	0.6124717
A_55_P2013	76.6	Detected	66	Detected	55.3	Detected	59.8	Detected	Oxtr	0.780678851	0.72193211	0.90606061	0.8378788
A_55_P2010	1587.3	Detected	3349.7	Detected	1057.1	Detected	1239.1	Detected	Zxdc	0.780633781	0.66597367	0.36991372	0.3155805
A_55_P2173	55218.4	Detected	49690.5	Detected	45327.9	Detected	43105.3	Detected	Gm626	0.780632905	0.82088398	0.86747567	0.9122045
A_51_P2655	1213.7	Detected	859	Detected	1294	Detected	947.2	Detected	Rbm18	0.780423498	1.06616132	1.10267753	1.5064028
A_65_P0124	1732.6	Detected	1231.7	Detected	1195.8	Detected	1352.1	Detected	Hjurp	0.780387856	0.69017661	1.09775108	0.9708533
A_52_P5430	13.2	Not Detect	34.2	Detected	5.2	Not Detect	10.3	Not Detect	Dhtkd1	0.78030303	0.39393939	0.30116959	0.1520468
A_55_P2102	7470.9	Detected	5719	Detected	4954.8	Detected	5829.5	Detected	Lamp2	0.780294208	0.66321327	1.01932156	0.8663752
A_51_P1801	380.5	Detected	260.3	Detected	227.9	Detected	296.9	Detected	Gm16223	0.780289093	0.59894875	1.14060699	0.8755282
A_55_P2358	19.1	Detected	11.6	Not Detect	13.3	Not Detect	14.9	Not Detect	1700111N16Rik	0.780104712	0.69633508	1.28448276	1.1465517
A_51_P2165	17371.2	Detected	20819.3	Detected	5098.9	Detected	13551.1	Detected	Wfs1	0.780090034	0.29352607	0.65089124	0.2449122
A_55_P1975	24.1	Detected	30.7	Detected	25	Detected	18.8	Not Detect	Crygs	0.780082988	1.0373444	0.61237785	0.8143322
A_55_P2132	3672.3	Detected	2992.6	Detected	3254.4	Detected	2864.6	Detected	Fastkd3	0.780056096	0.88620211	0.95722783	1.0874825
A_52_P6485	1102.1	Detected	1401.2	Detected	1173.3	Detected	859.6	Detected	Gorab	0.77996552	1.06460394	0.61347417	0.8373537
A_52_P5185	55.9	Detected	30.2	Detected	54.3	Detected	43.6	Not Detect	Tmem194b	0.779964222	0.97137746	1.44370861	1.7980132
A_52_P4232	40.9	Detected	48.3	Detected	6.4	Not Detect	31.9	Not Detect	Pde4b	0.7799511	0.15647922	0.66045549	0.1325052
A_55_P2282	7171.3	Detected	5490.6	Detected	5215.7	Detected	5593.2	Detected	Celf1	0.77994227	0.72730188	1.01868648	0.9499326
A_55_P2129	30.9	Detected	17.2	Not Detect	38.3	Detected	24.1	Not Detect	Trerf1	0.779935275	1.2394822	1.40116279	2.2267442
A_52_P8615	12465	Detected	10368.5	Detected	11399.7	Detected	9721.1	Detected	Mtx2	0.779871641	0.9145367	0.93756088	1.0994551
A_55_P2117	1370.1	Detected	1046.3	Detected	786.2	Detected	1068.3	Detected	Mxd4	0.779724108	0.57382673	1.02102647	0.7514097
A_51_P1148	6712	Detected	6357.4	Detected	5881	Detected	5233.2	Detected	Ikbkap	0.779678188	0.8761919	0.8231667	0.9250637
A_55_P1975	4021.2	Detected	3398.5	Detected	2025.9	Detected	3135.1	Detected	St3gal3	0.779642893	0.50380483	0.92249522	0.5961159
A_55_P1957	88761.4	Detected	67391.9	Detected	67299	Detected	69192.9	Detected	Nono	0.779538178	0.7582012	1.02672428	0.9986215
A_65_P2079	1266.8	Detected	1173.2	Detected	1235.6	Detected	987.5	Detected	Abi2	0.779523208	0.97537101	0.84171497	1.0531879
A_52_P2382	5087.5	Detected	4623.4	Detected	2889.3	Detected	3965.8	Detected	Sertad2	0.779518428	0.56792138	0.85776701	0.6249297
A_55_P2102	16948.6	Detected	13384.5	Detected	16287.3	Detected	13210.5	Detected	Cox7a2l	0.77944491	0.96098203	0.98699989	1.2168777
A_55_P2067	1489.1	Detected	1216.4	Detected	855.8	Detected	1160.6	Detected	Dpf1	0.779396951	0.57470956	0.95412693	0.7035515
A_55_P2105	110.6	Detected	84.8	Detected	53.2	Detected	86.2	Detected	BC024139	0.779385172	0.48101266	1.01650943	0.6273585
A_52_P5229	320.9	Detected	352.9	Detected	388	Detected	250.1	Detected	Ssbp2	0.77937052	1.20909941	0.70869935	1.0994616
A_51_P3944	4720.2	Detected	3412.8	Detected	3962.8	Detected	3678.3	Detected	Tcf3	0.779267828	0.8395407	1.07779536	1.161158
A_51_P1561	733.4	Detected	1059.1	Detected	657.3	Detected	571.5	Detected	Phlpp1	0.779247341	0.89623671	0.5396091	0.6206213

A_51_P2626	1074	Detected	1040.9	Detected	992.9	Detected	836.9	Detected	Rbm38	0.779236499	0.9244879	0.80401576	0.9538861
A_55_P2095	60.2	Detected	55.4	Detected	50.7	Detected	46.9	Not Detect	Slc8a2	0.779069767	0.84219269	0.8465704	0.9151625
A_55_P1965	13513.7	Detected	10668.6	Detected	9915.8	Detected	10525.6	Detected	Ctc1	0.778883651	0.73375907	0.98659618	0.9294378
A_55_P2043	26611.6	Detected	22128.4	Detected	26885.6	Detected	20726.4	Detected	Cmtr1	0.778848322	1.01029626	0.9366425	1.2149817
A_51_P4975	10494.5	Detected	6382.8	Detected	8724.4	Detected	8173.1	Detected	Vps18	0.778798418	0.8313307	1.28048819	1.3668609
A_55_P2001	94657.2	Detected	64785.5	Detected	80762.7	Detected	73718.5	Detected	Ehmt2	0.778794429	0.85321243	1.13788579	1.2466169
A_51_P4622	5491.5	Detected	3599.2	Detected	4476	Detected	4276.4	Detected	Aida	0.778730766	0.81507785	1.18815292	1.2436097
A_51_P3097	1391.7	Detected	1171.9	Detected	1351.1	Detected	1083.7	Detected	Usp40	0.778687936	0.97082705	0.92473761	1.1529141
A_55_P2168	139.6	Detected	82.9	Detected	72.8	Detected	108.7	Detected	4732440D04Rik	0.778653295	0.52148997	1.31121834	0.8781665
A_55_P2182	13.1	Not Detect	23	Detected	12.6	Not Detect	10.2	Not Detect	Zfp352	0.778625954	0.96183206	0.44347826	0.5478261
A_66_P1093	14	Not Detect	17.1	Not Detect	24.9	Detected	10.9	Not Detect	AF366264	0.778571429	1.77857143	0.6374269	1.4561404
A_55_P2054	14	Not Detect	34.6	Detected	18.4	Detected	10.9	Not Detect	Defa-ps1	0.778571429	1.31428571	0.3150289	0.5317919
A_55_P2071	127701.8	Detected	118130	Detected	145474	Detected	99414.8	Detected	Rpl36	0.778491768	1.13916953	0.84157115	1.2314738
A_55_P2052	18673.8	Detected	16603	Detected	14898.3	Detected	14537	Detected	Dpysl5	0.77847037	0.79781833	0.87556466	0.8973258
A_55_P2062	13670.2	Detected	16179.4	Detected	11882.1	Detected	10640.7	Detected	Ube2e1	0.778386563	0.86919723	0.65766963	0.7343968
A_55_P1958	16631.8	Detected	18006.8	Detected	16070.8	Detected	12945.2	Detected	Tcof1	0.778340288	0.96626944	0.71890619	0.8924851
A_52_P1886	3606.8	Detected	1724.5	Detected	4643.7	Detected	2807.2	Detected	Pvrl2	0.778307641	1.28748475	1.62783415	2.6927805
A_51_P2212	21.2	Detected	20.7	Detected	19.6	Detected	16.5	Not Detect	Tspan32	0.778301887	0.9245283	0.79710145	0.9468599
A_51_P2107	23	Detected	19.1	Detected	11	Not Detect	17.9	Not Detect	Vmn1r82	0.77826087	0.47826087	0.93717277	0.5759162
A_55_P1979	2477.1	Detected	1542.2	Detected	1624.3	Detected	1927.6	Detected	Tmem189	0.778168019	0.65572645	1.24990274	1.0532356
A_52_P2043	178.5	Detected	232.3	Detected	173	Detected	138.9	Detected	Spry4	0.778151261	0.96918768	0.59793371	0.7447266
A_51_P1794	7231.6	Detected	4806.4	Detected	5846.8	Detected	5627.2	Detected	Fam92a	0.778140384	0.80850711	1.1707723	1.2164614
A_55_P2085	61.3	Detected	39.9	Detected	43.9	Detected	47.7	Detected	Prdm10	0.778140294	0.71615008	1.19548872	1.1002506
A_55_P2044	203.7	Detected	163.3	Detected	236.5	Detected	158.5	Detected	Lipt2	0.778105056	1.16102111	0.97060625	1.4482547
A_51_P4607	1456.1	Detected	1065.9	Detected	1065.7	Detected	1132.9	Detected	Smyd4	0.778037223	0.73188655	1.06285768	0.9998124
A_52_P6223	3189.9	Detected	2112.6	Detected	2227.2	Detected	2481.7	Detected	Usp9x	0.777986771	0.69820371	1.17471362	1.054246
A_52_P2199	1459.6	Detected	977.1	Detected	981.6	Detected	1135.5	Detected	Cdan1	0.777952864	0.67251302	1.16211237	1.0046055
A_51_P1640	61429.1	Detected	54282.9	Detected	54039.7	Detected	47788.4	Detected	Tcp1	0.777944004	0.87970848	0.88035827	0.9955198
A_52_P1977	1414	Detected	1204.1	Detected	1344.4	Detected	1099.8	Detected	Xrcc2	0.777793494	0.95077793	0.91337929	1.1165186
A_51_P1300	13.5	Not Detect	88.5	Detected	3.8	Not Detect	10.5	Not Detect	Lrmp	0.777777778	0.28148148	0.11864407	0.0429379
A_55_P2225	52.6	Detected	18.7	Detected	33.6	Detected	40.9	Not Detect	AW555355	0.77756654	0.63878327	2.18716578	1.7967914
A_55_P2083	523.5	Detected	394.6	Detected	597	Detected	407	Detected	Rbm12	0.777459408	1.14040115	1.03142423	1.5129245
A_55_P2087	4078.6	Detected	3681.5	Detected	1930.3	Detected	3170.8	Detected	Hnrnpa3	0.777423626	0.47327514	0.86127937	0.5243243
A_52_P6610	29.2	Detected	29.4	Detected	23.8	Detected	22.7	Not Detect	Ccr3	0.77739726	0.81506849	0.77210884	0.8095238
A_55_P2015	45.8	Detected	40.6	Detected	39.9	Detected	35.6	Not Detect	Cpa5	0.777292576	0.87117904	0.87684729	0.9827586
A_55_P1985	604.5	Detected	671	Detected	409.1	Detected	469.8	Detected	Fam195b	0.777171216	0.67675765	0.70014903	0.609687
A_55_P2235	17.5	Detected	18	Detected	18.8	Detected	13.6	Not Detect	4930519E07Rik	0.777142857	1.07428571	0.75555556	1.0444444
A_55_P2184	125.6	Detected	112.3	Detected	98.1	Detected	97.6	Detected	Rbm19	0.777070064	0.78105096	0.86910062	0.8735553
A_51_P3073	39296	Detected	30995.9	Detected	30310.7	Detected	30534.1	Detected	Rbbp4	0.777028196	0.77134314	0.98510126	0.9778939
A_55_P1980	2939.2	Detected	2553.2	Detected	2055.9	Detected	2283.7	Detected	Oscp1	0.776980131	0.69947605	0.89444619	0.8052248

A_55_P2006	26	Detected	31.8	Detected	34.8	Detected	20.2	Not Detect	Gm11711	0.776923077	1.33846154	0.63522013	1.0943396
A_52_P5326	375.2	Detected	287	Detected	350.2	Detected	291.5	Detected	Ermard	0.776918977	0.93336887	1.01567944	1.2202091
A_51_P4444	3275.9	Detected	2736	Detected	2346.4	Detected	2545.1	Detected	Ptgr1	0.776916267	0.71626118	0.93022661	0.8576023
A_55_P2022	280.5	Detected	214	Detected	368.2	Detected	217.9	Detected	Tspan9	0.776827094	1.31265597	1.0182243	1.7205607
A_52_P2052	72.1	Detected	81.9	Detected	42.5	Detected	56	Detected	Adam11	0.776699029	0.58945908	0.68376068	0.5189255
A_52_P8922	1535.2	Detected	1325.4	Detected	1048.6	Detected	1192.3	Detected	Sntb2	0.77664148	0.68303804	0.89957749	0.7911574
A_55_P2036	10583.9	Detected	10502.5	Detected	10284.9	Detected	8218.3	Detected	Ddx52	0.776490708	0.97174954	0.78250893	0.9792811
A_55_P2022	26061.9	Detected	22375.6	Detected	25508.1	Detected	20234.6	Detected	Nsa2	0.776405404	0.97875059	0.90431542	1.1399962
A_65_P1521	29859.6	Detected	22852.4	Detected	23341.9	Detected	23182.5	Detected	Mrpl15	0.776383475	0.78172179	1.01444487	1.0214201
A_55_P1984	20001.4	Detected	16916	Detected	14298.9	Detected	15528	Detected	Sgpl1	0.776345656	0.71489496	0.91794751	0.8452885
A_55_P2387	28.6	Detected	31.4	Detected	15.7	Not Detect	22.2	Not Detect	4921532D01Rik	0.776223776	0.54895105	0.70700637	0.5
A_51_P2700	13.4	Not Detect	14.8	Not Detect	19.5	Detected	10.4	Not Detect	Lrguk	0.776119403	1.45522388	0.7027027	1.3175676
A_55_P2068	345.5	Detected	260.8	Detected	269.7	Detected	268.1	Detected	2410018L13Rik	0.775976845	0.78060781	1.0279908	1.0341258
A_55_P2415	3240.5	Detected	2552.4	Detected	2036.3	Detected	2514.5	Detected	Mta1	0.7759605	0.62839068	0.98515123	0.7977982
A_55_P2108	9124.1	Detected	7505	Detected	7148.8	Detected	7079.8	Detected	Med10	0.775945025	0.78350741	0.94334444	0.9525383
A_51_P4248	6771.3	Detected	5496.6	Detected	4670.1	Detected	5253.7	Detected	Ncapg2	0.775877601	0.68969031	0.95580905	0.8496343
A_55_P1969	36272.5	Detected	33790.9	Detected	30964.8	Detected	28142.8	Detected	Lrpprc	0.775871528	0.85367151	0.83285145	0.9163651
A_51_P5000	10.7	Not Detect	34.2	Detected	3	Not Detect	8.3	Not Detect	Gm14446	0.775700935	0.28037383	0.24269006	0.0877193
A_51_P2434	53.5	Detected	35.5	Detected	33.3	Detected	41.5	Not Detect	4931431F19Rik	0.775700935	0.62242991	1.16901408	0.9380282
A_52_P3972	1836.5	Detected	1127.2	Detected	1797.3	Detected	1424.5	Detected	Csk	0.775660223	0.97865505	1.26375089	1.5944819
A_55_P2039	15.6	Detected	10.2	Not Detect	16.5	Not Detect	12.1	Not Detect	D930007P13Rik	0.775641026	1.05769231	1.18627451	1.6176471
A_51_P4546	9495.8	Detected	8206.4	Detected	8529.1	Detected	7365.3	Detected	Arl6ip4	0.77563765	0.8981971	0.89750682	1.039323
A_55_P2039	10465.9	Detected	10302.1	Detected	9622.6	Detected	8117.3	Detected	Phf10	0.775595028	0.91942403	0.78792673	0.9340426
A_55_P2045	36365.3	Detected	30804.6	Detected	29607.2	Detected	28203.9	Detected	Ehmt1	0.775571768	0.81416075	0.9155743	0.9611292
A_55_P2307	113.6	Detected	84.3	Detected	68	Detected	88.1	Detected	E030004H24Rik	0.775528169	0.59859155	1.04507711	0.8066429
A_55_P2073	37.4	Detected	54.4	Detected	31	Detected	29	Not Detect	Cenpp	0.77540107	0.82887701	0.53308824	0.5698529
A_55_P2010	2769.2	Detected	2190.9	Detected	2506.6	Detected	2147	Detected	Rbm45	0.77531417	0.90517117	0.97996257	1.144096
A_51_P2109	89.9	Detected	49.3	Detected	73.3	Detected	69.7	Detected	A530054K11Rik	0.775305895	0.81535039	1.4137931	1.4868154
A_55_P2004	2916.8	Detected	1536	Detected	3309	Detected	2261.3	Detected	Ube2h	0.775267416	1.13446242	1.47220052	2.1542969
A_55_P2143	3855.6	Detected	3334.2	Detected	2615.9	Detected	2989.1	Detected	Rest	0.775261957	0.67846768	0.89649691	0.784566
A_55_P2068	2932.2	Detected	1924.4	Detected	3129.8	Detected	2273	Detected	Ncbp2	0.775185867	1.06738967	1.18114737	1.6263771
A_55_P2011	63846.6	Detected	55880.1	Detected	52051.7	Detected	49492.4	Detected	Neur11b	0.775176752	0.81526189	0.88568918	0.931489
A_52_P3368	5219.8	Detected	4736.5	Detected	5667.4	Detected	4046.1	Detected	Matr3	0.775144642	1.08575041	0.85423836	1.1965375
A_55_P2454	691.1	Detected	362.7	Detected	620.2	Detected	535.7	Detected	Ifnar1	0.775141079	0.89740993	1.47697822	1.7099531
A_55_P1973	1703.8	Detected	1520.5	Detected	1095.8	Detected	1320.5	Detected	Tex9	0.775032281	0.6431506	0.86846432	0.720684
A_51_P2621	6663.6	Detected	6103.8	Detected	4822.6	Detected	5164	Detected	Irgm1	0.77495648	0.72372291	0.84603034	0.790098
A_55_P2217	55.1	Detected	69.3	Detected	65.7	Detected	42.7	Not Detect	4921515G04Rik	0.774954628	1.1923775	0.61616162	0.9480519
A_55_P1962	3560	Detected	2908.6	Detected	3636.3	Detected	2758.7	Detected	Gm4943	0.77491573	1.02143258	0.94846318	1.2501891
A_55_P2114	116.4	Detected	77.3	Detected	100.5	Detected	90.2	Detected	Rsph3a	0.774914089	0.86340206	1.16688228	1.3001294
A_66_P1020	3426.9	Detected	3022.5	Detected	2571.7	Detected	2655.3	Detected	Cep68	0.774840235	0.75044501	0.87851117	0.8508519

A_52_P2372	67.5	Detected	37.3	Detected	44.1	Detected	52.3	Detected	Thpo	0.774814815	0.65333333	1.40214477	1.1823056
A_55_P2009	56134.3	Detected	44308.1	Detected	50785	Detected	43488.7	Detected	Sfr1	0.77472597	0.90470532	0.98150677	1.1461787
A_55_P2136	15199.9	Detected	13585	Detected	10867.4	Detected	11775.4	Detected	Midn	0.774702465	0.71496523	0.86679426	0.7999558
A_52_P3153	2691.2	Detected	2649.7	Detected	1917.7	Detected	2084.7	Detected	Lats2	0.77463585	0.71258175	0.78676831	0.7237423
A_55_P2289	9314	Detected	8311.2	Detected	8258.9	Detected	7214.5	Detected	Fryl	0.774586644	0.88671892	0.86804553	0.9937073
A_66_P1315	3340.6	Detected	2926	Detected	3052.5	Detected	2587.5	Detected	Rpp30	0.774561456	0.91375801	0.88431306	1.0432331
A_55_P1999	4036	Detected	3086.3	Detected	3020.6	Detected	3126.1	Detected	Clasp1	0.774554014	0.74841427	1.0128957	0.9787124
A_51_P4002	200	Detected	111.3	Detected	131.8	Detected	154.9	Detected	Vpreb1	0.7745	0.659	1.39173405	1.1841869
A_55_P2293	13.3	Not Detect	3.9	Not Detect	64.7	Detected	10.3	Not Detect	Ces2a	0.77443609	4.86466165	2.64102564	16.589744
A_51_P3388	13.3	Not Detect	38.5	Detected	13.9	Not Detect	10.3	Not Detect	P2ry12	0.77443609	1.04511278	0.26753247	0.361039
A_55_P2162	13.3	Not Detect	257.8	Detected	3.7	Not Detect	10.3	Not Detect	Ntn1	0.77443609	0.27819549	0.03995345	0.0143522
A_55_P2027	18.6	Detected	13.2	Not Detect	16.3	Not Detect	14.4	Not Detect	Olf329-ps	0.774193548	0.87634409	1.09090909	1.2348485
A_55_P2005	10959.7	Detected	7709	Detected	10663.4	Detected	8484.8	Detected	Manbal	0.774181775	0.97296459	1.10063562	1.3832404
A_52_P1805	8143.7	Detected	5958.9	Detected	6891	Detected	6304.6	Detected	2310061104Rik	0.77416899	0.84617557	1.05801406	1.1564215
A_55_P2180	6165.7	Detected	5774.3	Detected	5636.5	Detected	4772.6	Detected	Cdkn2aipnl	0.774056474	0.91417033	0.82652443	0.9761356
A_55_P2009	201.8	Detected	146.2	Detected	125.2	Detected	156.2	Detected	Ccdc88a	0.774033697	0.62041625	1.06839945	0.8563611
A_51_P4159	10675.7	Detected	8290.5	Detected	6941	Detected	8263.3	Detected	Pola1	0.774028869	0.65016814	0.99671914	0.8372233
A_51_P3519	4054.5	Detected	3409.5	Detected	3598.8	Detected	3138.1	Detected	Hells	0.773979529	0.88760636	0.92039889	1.0555213
A_55_P2032	441.1	Detected	210.5	Detected	308.9	Detected	341.4	Detected	4930522L14Rik	0.773974156	0.70029472	1.62185273	1.4674584
A_52_P3621	2052.5	Detected	1239.7	Detected	1724.1	Detected	1588.4	Detected	Upf2	0.773885505	0.84	1.28127773	1.3907397
A_52_P6813	35039.7	Detected	25111	Detected	30447.1	Detected	27113.8	Detected	Plaur	0.773802287	0.86893153	1.07975788	1.2125005
A_55_P2062	23686.2	Detected	20644.1	Detected	26603.3	Detected	18323.4	Detected	Memo1	0.773589685	1.1231561	0.88758531	1.2886636
A_66_P1371	44115.1	Detected	38741.7	Detected	40795.8	Detected	34126.7	Detected	Arl6ip4	0.773583195	0.92475819	0.88087771	1.0530204
A_52_P3137	212.4	Detected	165	Detected	143.5	Detected	164.3	Detected	Rad54b	0.77354049	0.67561205	0.99575758	0.869697
A_51_P3756	96.7	Detected	85.1	Detected	98.7	Detected	74.8	Detected	Tcea2	0.77352637	1.02068252	0.87896592	1.159812
A_55_P1966	5199.4	Detected	5853.1	Detected	4031.3	Detected	4021.8	Detected	Epn2	0.773512328	0.77533946	0.68712306	0.6887461
A_55_P2177	20.3	Detected	18.7	Detected	22.6	Detected	15.7	Not Detect	Ptch2	0.773399015	1.11330049	0.83957219	1.2085561
A_51_P4614	18128.5	Detected	12992.6	Detected	13423.1	Detected	14019.4	Detected	Ube2r2	0.773334804	0.74044185	1.0790296	1.0331342
A_55_P2125	7650.8	Detected	7233	Detected	6408.9	Detected	5916.4	Detected	Sema6d	0.773304752	0.83767711	0.81797318	0.8860639
A_55_P1999	661.1	Detected	370.7	Detected	381.6	Detected	511.2	Detected	Cit	0.773256693	0.57721979	1.37901268	1.0294038
A_55_P2281	608.5	Detected	496.3	Detected	254.1	Detected	470.5	Detected	2610034E01Rik	0.773212818	0.41758422	0.94801531	0.5119887
A_55_P2051	1052.8	Detected	1057.2	Detected	667.6	Detected	814	Detected	Brsk1	0.773176292	0.63411854	0.76995838	0.6314794
A_51_P1579	247.3	Detected	166.3	Detected	126.8	Detected	191.2	Detected	Soga3	0.77315002	0.51273757	1.1497294	0.7624775
A_55_P2147	356.1	Detected	243.4	Detected	293.9	Detected	275.3	Detected	Ctdspl2	0.773097445	0.82532996	1.13105998	1.2074774
A_51_P3655	7803.7	Detected	6475.2	Detected	6740	Detected	6031.7	Detected	Ppp2r1a	0.772928226	0.86369286	0.93150791	1.0408945
A_55_P1960	7564.1	Detected	6270.6	Detected	6271.3	Detected	5845.5	Detected	Lrrc59	0.772795177	0.8290874	0.93220744	1.0001116
A_55_P2113	19915.2	Detected	15043	Detected	17732.4	Detected	15387.5	Detected	Bzw1	0.77265104	0.89039528	1.02290102	1.1787808
A_66_P1155	412.9	Detected	491.3	Detected	534.4	Detected	319	Detected	1700038P13Rik	0.772584161	1.29426011	0.64929778	1.0877264
A_55_P2127	80973.7	Detected	62796.4	Detected	85500.1	Detected	62549.9	Detected	Hist1h3d	0.772471803	1.05589963	0.99607462	1.3615446
A_55_P2128	316.4	Detected	231.1	Detected	284.7	Detected	244.4	Detected	Phf21a	0.772439949	0.89981037	1.05755084	1.2319342

A_52_P2132	185.4	Detected	95.8	Detected	141.3	Detected	143.2	Detected	Arhgap19	0.772384035	0.76213592	1.49478079	1.4749478
A_52_P8586	81332.4	Detected	58016.9	Detected	88335.9	Detected	62814.8	Detected	Eif6	0.772321977	1.08610959	1.08269832	1.5225891
A_55_P2132	2444.3	Detected	1536.7	Detected	2182	Detected	1887.7	Detected	Adal	0.772286544	0.89268911	1.22841153	1.4199258
A_55_P2056	49111.1	Detected	40208.2	Detected	47889.7	Detected	37926.8	Detected	Traf7	0.772265333	0.97512986	0.94326033	1.1910431
A_55_P2059	3705.2	Detected	2934.8	Detected	2780.2	Detected	2861.3	Detected	Myo7a	0.772239015	0.75035086	0.9749557	0.9473218
A_52_P4023	3869.6	Detected	3417.7	Detected	3949.2	Detected	2987.9	Detected	Med20	0.772146992	1.0205706	0.87424291	1.1555139
A_55_P1970	319.3	Detected	292.6	Detected	468.5	Detected	246.5	Detected	Mttp	0.772001253	1.46727216	0.84244703	1.601162
A_51_P1012	1145.2	Detected	913.8	Detected	1038.8	Detected	884	Detected	Gmeb2	0.771917569	0.90709046	0.96738893	1.1367914
A_52_P6063	22356.1	Detected	20826.1	Detected	24649.4	Detected	17257	Detected	Mrpl3	0.7719146	1.1025805	0.8286237	1.1835821
A_65_P0756	6472.8	Detected	4406.4	Detected	5981.8	Detected	4996	Detected	Tpd52l2	0.77184526	0.92414411	1.13380537	1.3575254
A_55_P2082	7833.6	Detected	5866.9	Detected	5130.2	Detected	6046.1	Detected	Fnbp1l	0.771816279	0.65489685	1.03054424	0.8744311
A_66_P1220	23708.8	Detected	7693.7	Detected	3150.4	Detected	18298.5	Detected	9030619P08Rik	0.771802031	0.13287893	2.37837451	0.4094779
A_55_P2059	2466.6	Detected	2515.8	Detected	2387.3	Detected	1903.7	Detected	Tagap	0.771791129	0.96785048	0.75669767	0.9489228
A_52_P6761	1428	Detected	616.1	Detected	1392.2	Detected	1102.1	Detected	Fam210b	0.771778711	0.97492997	1.78883298	2.2596981
A_51_P3636	42735.5	Detected	36528	Detected	45562.2	Detected	32979.5	Detected	Snrpe	0.771712043	1.06614407	0.90285534	1.2473226
A_55_P1961	974.5	Detected	673.1	Detected	1050.8	Detected	752	Detected	Zfand3	0.771677783	1.07829656	1.11721884	1.561135
A_55_P2045	32909	Detected	23304.7	Detected	27058	Detected	25393.5	Detected	Ppp4r1	0.771627822	0.82220669	1.08962999	1.1610533
A_51_P1550	3919.5	Detected	3326.5	Detected	4028.5	Detected	3023.9	Detected	Nudt14	0.771501467	1.02780967	0.90903352	1.2110326
A_51_P3563	170.6	Detected	127.6	Detected	66.7	Detected	131.6	Detected	Tcp11l1	0.771395076	0.39097304	1.03134796	0.5227273
A_52_P6800	2461.7	Detected	1347.9	Detected	1696.6	Detected	1898.9	Detected	Cdk16	0.771377503	0.68919852	1.40878403	1.2586987
A_55_P2130	234	Detected	508.3	Detected	183.6	Detected	180.5	Detected	Zxdc	0.771367521	0.78461538	0.35510525	0.361204
A_66_P1285	37.6	Detected	37.8	Detected	35.4	Detected	29	Not Detect	Dido1	0.771276596	0.94148936	0.76719577	0.9365079
A_55_P2018	3535.5	Detected	2905.1	Detected	2826.6	Detected	2726.7	Detected	Zfp644	0.77123462	0.79949088	0.93859075	0.9729786
A_52_P6412	14398.9	Detected	8177.4	Detected	9287.5	Detected	11104.6	Detected	Galk2	0.77121169	0.64501455	1.35796219	1.1357522
A_52_P1294	223.3	Detected	271	Detected	157.2	Detected	172.2	Detected	Wdpcp	0.771159875	0.70398567	0.63542435	0.5800738
A_51_P4839	3227.4	Detected	2385	Detected	2353.6	Detected	2488.5	Detected	Tm9sf4	0.771054099	0.72925575	1.04339623	0.9868344
A_55_P1971	34.5	Detected	31.4	Detected	30.5	Detected	26.6	Not Detect	Nlrp12	0.771014493	0.88405797	0.84713376	0.9713376
A_51_P2198	1751.7	Detected	1757.8	Detected	1391.6	Detected	1350.4	Detected	Alg13	0.770908261	0.79442827	0.76823302	0.7916714
A_51_P5170	1721.9	Detected	1473.5	Detected	1255	Detected	1327.3	Detected	Casp8ap2	0.770834543	0.72884604	0.90078045	0.8517136
A_51_P4642	48059.3	Detected	42432	Detected	58241.9	Detected	37041.3	Detected	Fkbp2	0.770741563	1.21187575	0.87295673	1.3725938
A_55_P1979	6562.2	Detected	4636.5	Detected	4201.7	Detected	5057.7	Detected	Shroom2	0.770732376	0.64028832	1.09084439	0.9062224
A_51_P3044	20.5	Detected	25.2	Detected	18.4	Detected	15.8	Not Detect	Olfr12	0.770731707	0.89756098	0.62698413	0.7301587
A_55_P2083	17490.2	Detected	14342.9	Detected	13696.6	Detected	13478.7	Detected	Zzz3	0.770642989	0.78310139	0.93974719	0.9549394
A_55_P2026	9058.7	Detected	8083	Detected	8375.8	Detected	6980.7	Detected	Usp30	0.770607262	0.92461391	0.86362737	1.0362242
A_52_P6159	3267.3	Detected	2855.8	Detected	2880.1	Detected	2517.4	Detected	Qk	0.770483274	0.88149236	0.88150431	1.008509
A_51_P2893	172.5	Detected	394.1	Detected	18.8	Detected	132.9	Detected	Naip1	0.770434783	0.10898551	0.33722405	0.0477036
A_52_P9719	9146.3	Detected	6357.2	Detected	8272.7	Detected	7046.6	Detected	Ergic1	0.770431759	0.90448597	1.10844397	1.3013119
A_51_P3339	2517.4	Detected	2130.4	Detected	2095.8	Detected	1939.2	Detected	Ints7	0.770318583	0.83252562	0.9102516	0.9837589
A_55_P2072	60719.5	Detected	56337.4	Detected	53614.2	Detected	46770	Detected	Suv39h2	0.77026326	0.88298158	0.83017676	0.9516627
A_55_P2040	307.3	Detected	220.4	Detected	170.9	Detected	236.7	Detected	Qser1	0.770257078	0.55613407	1.07395644	0.7754083

A_55_P2052	8854.7	Detected	5840.9	Detected	5801	Detected	6820.2	Detected	Cask	0.770235016	0.6551323	1.16766252	0.9931689
A_55_P1989	7917.2	Detected	7308.4	Detected	3895.1	Detected	6097.4	Detected	Prkd3	0.770146011	0.49197949	0.83430026	0.5329621
A_55_P2133	46935.7	Detected	46722.7	Detected	51773	Detected	36147.3	Detected	Txn14a	0.770145113	1.10306227	0.77365606	1.1080909
A_55_P2099	17158.1	Detected	11531.6	Detected	10111.3	Detected	13213.1	Detected	Tfe3	0.770079438	0.58930185	1.14581671	0.8768341
A_55_P1969	25147.3	Detected	16811.2	Detected	19163.8	Detected	19365	Detected	Pin4	0.77006279	0.76206193	1.15191063	1.1399424
A_55_P2327	553.6	Detected	547.6	Detected	403	Detected	426.3	Detected	Mtx3	0.770050578	0.72796243	0.77848795	0.7359386
A_55_P2209	10979.1	Detected	10005	Detected	9139.6	Detected	8454.4	Detected	9530083O12Rik	0.770044903	0.83245439	0.84501749	0.9135032
A_51_P4984	8171.2	Detected	5310.4	Detected	7322.9	Detected	6292.1	Detected	Cnpy3	0.770033777	0.89618416	1.18486366	1.3789733
A_52_P2151	740.5	Detected	470	Detected	389	Detected	570.2	Detected	Opn3	0.770020257	0.52532073	1.21319149	0.8276596
A_55_P2174	27675.5	Detected	18595.4	Detected	21103.4	Detected	21309.8	Detected	Pin4	0.769987895	0.76253004	1.14597158	1.1348721
A_51_P1011	5443.5	Detected	2973.5	Detected	4191.1	Detected	4191.3	Detected	Samd14	0.769964177	0.76992744	1.40955103	1.4094838
A_52_P8933	454.7	Detected	455.1	Detected	550	Detected	350.1	Detected	Tmie	0.769958214	1.20958874	0.76928148	1.2085256
A_55_P2123	120.4	Detected	464.6	Detected	130.4	Detected	92.7	Detected	Gm11627	0.769933555	1.08305648	0.19952647	0.2806715
A_55_P2117	79.1	Detected	68.2	Detected	70.5	Detected	60.9	Detected	Zfp395	0.769911504	0.89127686	0.89296188	1.0337243
A_51_P2717	11.3	Not Detect	19.8	Detected	14.2	Not Detect	8.7	Not Detect	Gm568	0.769911504	1.25663717	0.43939394	0.7171717
A_52_P4579	1135.6	Detected	1469.1	Detected	1191.6	Detected	874.3	Detected	Trmt10a	0.769901374	1.04931314	0.59512627	0.8111088
A_52_P5037	679.1	Detected	461.5	Detected	606	Detected	522.8	Detected	Fchsd2	0.769842439	0.89235753	1.13282774	1.3131094
A_51_P3635	2781.5	Detected	2497	Detected	2628.6	Detected	2141.3	Detected	Abi2	0.769836419	0.94502966	0.85754906	1.0527032
A_55_P2060	54.7	Detected	42.8	Detected	35	Detected	42.1	Not Detect	Gm3238	0.769652651	0.63985375	0.98364486	0.817757
A_55_P2108	719.3	Detected	443.3	Detected	515.8	Detected	553.6	Detected	Fert2	0.769637147	0.71708606	1.2488157	1.1635461
A_55_P1995	1172.1	Detected	699.5	Detected	995.3	Detected	901.9	Detected	Gm14305	0.769473594	0.84915963	1.28934954	1.4228735
A_55_P2296	87.6	Detected	52.6	Detected	53.2	Detected	67.4	Detected	A330050B17Rik	0.769406393	0.60730594	1.28136882	1.0114068
A_55_P1981	1310.8	Detected	1129.5	Detected	856.2	Detected	1008.5	Detected	Irgm1	0.769377479	0.65318889	0.89287295	0.7580345
A_55_P2026	23574.6	Detected	19751.5	Detected	19310.4	Detected	18136.9	Detected	Med10	0.769340731	0.81911888	0.91825431	0.9776675
A_55_P2016	4311.5	Detected	1758.3	Detected	2892.6	Detected	3316.6	Detected	Cry2	0.769245042	0.6709034	1.88625377	1.6451118
A_66_P1172	53.3	Detected	33	Detected	51.6	Detected	41	Not Detect	4933436H12Rik	0.769230769	0.96810507	1.24242424	1.5636364
A_55_P2054	96.6	Detected	102.6	Detected	94.1	Detected	74.3	Detected	Isg2012	0.769151139	0.97412008	0.72417154	0.917154
A_52_P6183	158.5	Detected	66.1	Detected	101.7	Detected	121.9	Detected	Slc35a5	0.769085174	0.64164038	1.84417549	1.5385779
A_51_P1095	832.2	Detected	665.9	Detected	873.8	Detected	640	Detected	E130308A19Rik	0.769045902	1.04998798	0.96110527	1.312209
A_51_P3705	3742.7	Detected	2795.4	Detected	2656.6	Detected	2878.2	Detected	Dcakd	0.76901702	0.70980843	1.02962009	0.950347
A_52_P4930	3281.1	Detected	2168.6	Detected	2182.6	Detected	2523.2	Detected	Fmr1	0.769010393	0.66520374	1.16351563	1.0064558
A_52_P7887	167	Detected	163.1	Detected	135.4	Detected	128.4	Detected	Phf12	0.768862275	0.81077844	0.78724709	0.8301655
A_55_P2111	3750.5	Detected	3208.9	Detected	1394.1	Detected	2883.6	Detected	Gem	0.768857486	0.37171044	0.8986257	0.4344479
A_55_P1985	80.9	Detected	55.9	Detected	75.3	Detected	62.2	Detected	Zbtb37	0.768850433	0.93077874	1.11270125	1.3470483
A_55_P2000	526.9	Detected	653	Detected	608.3	Detected	405.1	Detected	Pik3r3	0.768836591	1.15448852	0.62036753	0.9315467
A_51_P4479	123.7	Detected	134.7	Detected	45	Detected	95.1	Detected	Fam46c	0.768795473	0.36378335	0.70601336	0.3340757
A_55_P2064	328698.8	Detected	132567.1	Detected	58443.9	Detected	252680.5	Detected	Ly6c1	0.768729609	0.17780381	1.90605739	0.4408628
A_51_P1057	18042.4	Detected	14215.2	Detected	16440.7	Detected	13869.5	Detected	Trip13	0.768717022	0.91122578	0.97568096	1.1565578
A_51_P3432	59341.4	Detected	37166.3	Detected	53634.6	Detected	45612.9	Detected	Cd151	0.768652239	0.90383105	1.22726502	1.4430976
A_52_P6084	2887	Detected	2114.1	Detected	3514.9	Detected	2218.9	Detected	Aars2	0.768583304	1.21749221	1.04957192	1.6625987

A_55_P2058	31.1	Detected	46.2	Detected	30.6	Detected	23.9	Not Detect	LOC101056056	0.768488746	0.98392283	0.51731602	0.6623377
A_52_P9165	150.7	Detected	89.7	Detected	83.7	Detected	115.8	Detected	Zbtb34	0.768414068	0.5554081	1.2909699	0.9331104
A_55_P2407	65.2	Detected	55.1	Detected	45	Detected	50.1	Detected	Fam92a	0.768404908	0.69018405	0.9092559	0.8166969
A_51_P1036	9949.4	Detected	6145.1	Detected	7239.7	Detected	7645.1	Detected	Trim8	0.768398094	0.72765192	1.24409692	1.1781257
A_55_P2044	29186.4	Detected	14421.1	Detected	16078.1	Detected	22423.6	Detected	Cxcl11	0.76828934	0.55087644	1.55491606	1.1149011
A_51_P3244	3813.4	Detected	3067.5	Detected	4654.9	Detected	2929.7	Detected	Vti1a	0.768264541	1.22066922	0.95507742	1.5174898
A_66_P1163	22	Detected	27	Detected	5.4	Not Detect	16.9	Not Detect	Gm3428	0.768181818	0.24545455	0.62592593	0.2
A_52_P4205	5127.3	Detected	2313.7	Detected	3546.8	Detected	3938.5	Detected	Acta2	0.768143077	0.69174809	1.7022518	1.5329559
A_55_P2182	114914.1	Detected	128370.1	Detected	89389.4	Detected	88267.5	Detected	Ywhaq	0.768117228	0.77788017	0.68760171	0.6963413
A_55_P1970	3512.8	Detected	2579.2	Detected	2577	Detected	2698.1	Detected	Itch	0.768076748	0.73360282	1.04609957	0.999147
A_55_P2043	442.8	Detected	5589.8	Detected	226.2	Detected	340.1	Detected	Hs3st6	0.768066847	0.51084011	0.06084296	0.0404666
A_55_P2235	409.5	Detected	233.3	Detected	251.4	Detected	314.5	Detected	C130068B02Rik	0.768009768	0.61391941	1.34804972	1.0775825
A_51_P1182	1029.4	Detected	1203.3	Detected	855	Detected	790.5	Detected	Gm1943	0.767923062	0.83058092	0.65694341	0.710546
A_55_P2070	807.9	Detected	567.7	Detected	421.2	Detected	620.4	Detected	4930402H24Rik	0.767916821	0.52135165	1.09283072	0.7419412
A_55_P2134	859.1	Detected	627.5	Detected	873.3	Detected	659.7	Detected	Gm4944	0.767896636	1.01652893	1.05131474	1.3917131
A_55_P2207	164.1	Detected	93.7	Detected	101.6	Detected	126	Detected	Image:619641	0.767824497	0.61913467	1.34471718	1.0843116
A_51_P4476	3870.9	Detected	2749.3	Detected	2520.2	Detected	2972	Detected	Ptpn12	0.767780103	0.65106306	1.08100244	0.9166697
A_55_P1993	1457.8	Detected	1465.9	Detected	1671.7	Detected	1119.2	Detected	Rmrp	0.767732199	1.14672795	0.76349001	1.1403916
A_55_P2094	14.2	Not Detect	15.9	Not Detect	21.8	Detected	10.9	Not Detect	Trp53tg5	0.767605634	1.53521127	0.68553459	1.3710692
A_66_P1222	512	Detected	417.2	Detected	479.8	Detected	392.9	Detected	Mettl8	0.767382813	0.93710938	0.94175455	1.1500479
A_66_P1140	11740	Detected	13208.3	Detected	13284.7	Detected	9008.5	Detected	Sco2	0.767333901	1.13157581	0.68203327	1.0057842
A_55_P2014	26153.7	Detected	23419	Detected	21397	Detected	20066.5	Detected	Racgap1	0.767252817	0.81812516	0.856847	0.9136598
A_55_P2003	662.5	Detected	528.8	Detected	447.3	Detected	508.3	Detected	Zc4h2	0.767245283	0.67516981	0.96123298	0.8458775
A_51_P5123	23.2	Detected	22.7	Detected	22.8	Detected	17.8	Not Detect	Kirrel2	0.767241379	0.98275862	0.78414097	1.0044053
A_55_P2096	320.5	Detected	751.1	Detected	330.1	Detected	245.9	Detected	Mreg	0.76723869	1.0299532	0.3273865	0.4394887
A_55_P2002	4306.9	Detected	2488.1	Detected	3064	Detected	3304.4	Detected	Trim46	0.767233973	0.71141656	1.32808167	1.2314618
A_55_P2385	14.6	Detected	7.7	Not Detect	30.6	Detected	11.2	Not Detect	Gm14634	0.767123288	2.09589041	1.45454545	3.974026
A_51_P1247	6357.4	Detected	8142.8	Detected	7270.5	Detected	4876.2	Detected	Tgfb3	0.767011671	1.1436279	0.59883578	0.8928747
A_55_P2068	13.3	Not Detect	23.3	Detected	11.8	Not Detect	10.2	Not Detect	Lyzl4	0.766917293	0.88721805	0.43776824	0.5064378
A_55_P1973	8959.7	Detected	5773.6	Detected	6755.5	Detected	6871	Detected	Nrbp1	0.766878355	0.7539873	1.19007205	1.1700672
A_55_P2457	131.2	Detected	71.4	Detected	96.1	Detected	100.6	Detected	Wdfy3	0.766768293	0.73246951	1.40896359	1.3459384
A_55_P2055	11024	Detected	8522	Detected	8583.7	Detected	8452.6	Detected	Agpat1	0.766745283	0.77863752	0.99185637	1.0072401
A_51_P3320	55.3	Detected	47.9	Detected	53.7	Detected	42.4	Not Detect	Aste1	0.766726944	0.97106691	0.88517745	1.1210856
A_55_P1970	137.6	Detected	95.1	Detected	92.9	Detected	105.5	Detected	Gm10336	0.766715116	0.67514535	1.10935857	0.9768665
A_55_P2147	1747.2	Detected	1170.2	Detected	1462	Detected	1339.6	Detected	Orai1	0.766712454	0.8367674	1.14476158	1.2493591
A_52_P1191	2598.2	Detected	2120.7	Detected	2142.5	Detected	1992	Detected	LOC101056366	0.766684628	0.82460934	0.93931249	1.0102796
A_55_P2123	949.8	Detected	717	Detected	543.4	Detected	728.1	Detected	Ncor2	0.766582438	0.57212045	1.01548117	0.7578801
A_55_P1987	3365.3	Detected	2543.3	Detected	2495.1	Detected	2579.7	Detected	Chpf2	0.766558702	0.74141978	1.01431211	0.9810482
A_55_P2171	8135.3	Detected	6163.5	Detected	8112	Detected	6236	Detected	Sap30bp	0.766535961	0.99713594	1.0117628	1.3161353
A_52_P5663	36.4	Detected	24.1	Detected	20.8	Detected	27.9	Not Detect	Chia	0.766483516	0.57142857	1.15767635	0.8630705

A_55_P1955	42336.7	Detected	37496.3	Detected	31916.6	Detected	32446.5	Detected	Ccm2	0.766391807	0.75387548	0.86532538	0.8511933
A_52_P2227	4617	Detected	3692.6	Detected	5270.5	Detected	3538.2	Detected	Pigu	0.76634178	1.14154213	0.95818664	1.4273141
A_51_P4652	364421	Detected	322573.2	Detected	283770.4	Detected	279261.8	Detected	Lgals1	0.766316431	0.77868839	0.86573156	0.8797085
A_55_P2079	1041.7	Detected	373.2	Detected	699.5	Detected	798.2	Detected	Ppnr	0.76624748	0.67149851	2.13879957	1.8743301
A_55_P2112	21096.6	Detected	20761	Detected	19954.5	Detected	16164.7	Detected	Ddx18	0.766222993	0.94586331	0.77860893	0.9611531
A_51_P3659	23766.4	Detected	17505.5	Detected	24153.3	Detected	18209.4	Detected	Tor1a	0.76618251	1.01627929	1.04021022	1.3797549
A_52_P1142	935.2	Detected	922.9	Detected	689.7	Detected	716.5	Detected	Armcx5	0.766146279	0.73748931	0.77635714	0.7473182
A_55_P2078	1179.7	Detected	1302.3	Detected	893.8	Detected	903.8	Detected	Gm1943	0.766126981	0.75765025	0.69400292	0.6863242
A_66_P1166	6569.3	Detected	6628.8	Detected	5635.4	Detected	5032.4	Detected	Rps8	0.766048133	0.85783873	0.7591721	0.8501388
A_51_P1070	26.5	Detected	29.6	Detected	9.2	Not Detect	20.3	Not Detect	Kif5a	0.766037736	0.34716981	0.68581081	0.3108108
A_55_P2093	18587.8	Detected	13318.8	Detected	18319.2	Detected	14237.6	Detected	LOC101055727	0.765964773	0.98554966	1.06898519	1.3754392
A_55_P2053	398.1	Detected	348.1	Detected	348	Detected	304.9	Detected	Ppp2r1b	0.765887968	0.87415222	0.87589773	0.9997127
A_51_P3615	22484.4	Detected	14676.1	Detected	17748.3	Detected	17218.8	Detected	Rab11b	0.765810962	0.78936062	1.17325447	1.2093335
A_51_P2868	48468.4	Detected	33447.4	Detected	30272	Detected	37112.5	Detected	Ncor2	0.765705078	0.62457189	1.10957802	0.9050629
A_55_P2078	74083.4	Detected	50669.3	Detected	63016.1	Detected	56719.4	Detected	Nsfl1c	0.765615509	0.85061026	1.11940366	1.2436742
A_55_P2054	1418.3	Detected	1245.2	Detected	1010.9	Detected	1085.8	Detected	Iffo2	0.765564408	0.71275471	0.87198844	0.8118375
A_55_P2089	77.6	Detected	74.4	Detected	72.9	Detected	59.4	Detected	Atp6v1g2	0.765463918	0.93943299	0.7983871	0.9798387
A_55_P2004	95.5	Detected	168.1	Detected	48.4	Detected	73.1	Detected	Serpib2	0.765445026	0.50680628	0.4348602	0.2879239
A_51_P3464	10249.2	Detected	9090.3	Detected	8846.9	Detected	7842.3	Detected	Noc4l	0.765162159	0.86317957	0.8627108	0.9732242
A_65_P1914	5683	Detected	3602.9	Detected	4528	Detected	4347.8	Detected	Nln	0.765053669	0.79676227	1.20675012	1.2567654
A_52_P2682	2005.6	Detected	1504.3	Detected	1500.9	Detected	1534.2	Detected	Gm5665	0.764958117	0.74835461	1.01987635	0.9977398
A_55_P2043	641.9	Detected	463.5	Detected	398	Detected	490.9	Detected	Msx2	0.764760866	0.62003427	1.05911543	0.8586839
A_55_P2172	221	Detected	128	Detected	206.2	Detected	169	Detected	Gmnn	0.764705882	0.93303167	1.3203125	1.6109375
A_66_P1137	11.9	Not Detect	46.3	Detected	28.1	Detected	9.1	Not Detect	Il2rg	0.764705882	2.36134454	0.19654428	0.6069114
A_55_P1991	16683.8	Detected	12103.9	Detected	15630.5	Detected	12751.5	Detected	Alkbh3	0.764304295	0.9368669	1.05350342	1.2913606
A_51_P1089	6336.3	Detected	4060.9	Detected	4111.9	Detected	4842	Detected	Myadm	0.764168363	0.64894339	1.19234652	1.0125588
A_52_P6764	725.9	Detected	777	Detected	635.9	Detected	554.7	Detected	Mtor	0.764154842	0.87601598	0.71389961	0.8184041
A_52_P2621	31.8	Detected	19.6	Detected	20.7	Detected	24.3	Not Detect	Prdm15	0.764150943	0.6509434	1.23979592	1.0561224
A_55_P2249	16.1	Detected	14.7	Not Detect	15.7	Not Detect	12.3	Not Detect	Gm13205	0.763975155	0.97515528	0.83673469	1.0680272
A_55_P2180	16.1	Detected	19	Detected	14.6	Not Detect	12.3	Not Detect	Olf449	0.763975155	0.9068323	0.64736842	0.7684211
A_51_P3245	59.7	Detected	61	Detected	53.4	Detected	45.6	Not Detect	B4galt5	0.763819095	0.89447236	0.74754098	0.8754098
A_51_P3495	12.7	Not Detect	139.1	Detected	8.5	Not Detect	9.7	Not Detect	Cd109	0.763779528	0.66929134	0.069734	0.0611071
A_55_P1969	84931.2	Detected	77915.1	Detected	73541.9	Detected	64865.5	Compromis	Morf4l2	0.763741711	0.86589969	0.83251514	0.9438722
A_51_P2674	1220.1	Detected	507.3	Detected	213.5	Detected	931.8	Detected	Cdc42ep3	0.763707893	0.17498566	1.83678297	0.4208555
A_51_P4173	636.8	Detected	463.5	Detected	426.5	Detected	486.3	Detected	Zfp236	0.76366206	0.66975503	1.04919094	0.9201726
A_52_P2629	6395.9	Detected	4986.9	Detected	4604.1	Detected	4884.2	Detected	Rab10	0.76364546	0.71985178	0.97940604	0.9232389
A_55_P2088	27.5	Detected	24.6	Detected	31.1	Detected	21	Not Detect	Olf1388	0.763636364	1.13090909	0.85365854	1.2642276
A_55_P2071	3565.2	Detected	2928.6	Detected	2916.8	Detected	2722.4	Detected	Silbp	0.763603725	0.81813082	0.92959093	0.9959708
A_55_P2424	25.8	Detected	36.1	Detected	29.9	Detected	19.7	Not Detect	4833427F10Rik	0.763565891	1.15891473	0.54570637	0.8282548
A_52_P6222	138.3	Detected	82.4	Detected	44.6	Detected	105.6	Detected	6030419C18Rik	0.763557484	0.32248735	1.2815534	0.5412621

A_55_P2134	363.7 Detected	237.6 Detected	347.9 Detected	277.7 Detected	Cacfd1	0.76354138	0.9565576	1.16877104	1.4642256
A_51_P2402	49.9 Detected	102.7 Detected	25.3 Detected	38.1 Not Detect	Rrad	0.763527054	0.50701403	0.37098345	0.2463486
A_55_P1974	137.4 Detected	123.2 Detected	209.3 Detected	104.9 Detected	Stard6	0.763464338	1.52328967	0.85146104	1.6988636
A_55_P2089	90607.1 Detected	74317.9 Detected	81376.4 Detected	69173.8 Detected	Eif2s2	0.763447898	0.89812388	0.93078249	1.0949771
A_55_P2043	30 Detected	25 Detected	38.8 Detected	22.9 Not Detect	Nrip2	0.763333333	1.29333333	0.916	1.552
A_51_P2978	1076.2 Detected	961 Detected	617.5 Detected	821.4 Detected	Kctd6	0.763241033	0.57377811	0.85473465	0.6425598
A_65_P1345	11.4 Not Detect	241.7 Detected	3.1 Not Detect	8.7 Not Detect	Cd300lb	0.763157895	0.27192982	0.03599504	0.0128258
A_55_P2049	2867.3 Detected	2923.1 Detected	3145.2 Detected	2188.2 Detected	Mettl6	0.763156977	1.09692045	0.74858883	1.075981
A_52_P6005	2266.2 Detected	1466.9 Detected	1613.4 Detected	1729.3 Detected	Bahd1	0.763083576	0.71194069	1.17888063	1.0998705
A_55_P2078	17.3 Detected	13.9 Not Detect	5.3 Not Detect	13.2 Not Detect	Cdca2	0.76300578	0.30635838	0.94964029	0.381295
A_55_P2039	117.3 Detected	76.3 Detected	86.5 Detected	89.5 Detected	Grik2	0.763000853	0.7374254	1.17300131	1.1336828
A_52_P3041	3419 Detected	3178 Detected	1781.8 Detected	2608.6 Detected	Mmp14	0.762971629	0.52114653	0.82083071	0.5606671
A_55_P2015	987 Detected	1044.6 Detected	889.5 Detected	752.9 Detected	Trim13	0.762816616	0.90121581	0.72075436	0.8515221
A_65_P1587	9191.9 Detected	6534.3 Detected	6785.3 Detected	7011 Detected	Chpf2	0.762736757	0.73818253	1.07295349	1.0384127
A_55_P2025	852.6 Detected	652 Detected	546.4 Detected	650.3 Detected	Spred2	0.76272578	0.64086324	0.99739264	0.8380368
A_52_P2858	106.2 Detected	96.1 Detected	101 Detected	81 Detected	Zmym2	0.762711864	0.95103578	0.84287201	1.0509886
A_55_P2024	2071.5 Detected	1199.7 Detected	1575.3 Detected	1579.9 Detected	Spin1	0.762684045	0.76046343	1.31691256	1.3130783
A_55_P1974	7331.7 Detected	5748.6 Detected	5768.1 Detected	5591.7 Detected	Msh3	0.762674414	0.78673432	0.9727064	1.0033921
A_55_P1971	722.1 Detected	513.2 Detected	578.1 Detected	550.7 Detected	Stim2	0.762636754	0.80058164	1.07307093	1.1264614
A_55_P2004	13502.2 Detected	10013.2 Detected	11994.8 Detected	10295.9 Detected	Imm11	0.762534994	0.88835893	1.02823273	1.1978988
A_65_P1239	55287.5 Detected	38952.6 Detected	42552.7 Detected	42147.9 Detected	Timp2	0.762340493	0.76966222	1.08203047	1.0924226
A_55_P1996	11843.9 Detected	7928.1 Detected	9777.8 Detected	9027.5 Detected	Gm14326	0.762206706	0.82555577	1.13867131	1.2333094
A_55_P2140	3626.9 Detected	2403.8 Detected	3241.3 Detected	2764.4 Detected	Tnfaip8	0.762193609	0.89368331	1.15001248	1.3484067
A_55_P2008	554.1 Detected	473.6 Detected	664 Detected	422.3 Detected	Kras	0.762136798	1.19833965	0.89168074	1.402027
A_65_P1668	9085.6 Detected	5679 Detected	5235.8 Detected	6923.7 Detected	B4galt5	0.762052038	0.57627454	1.21917591	0.9219581
A_52_P2461	3172.5 Detected	3012 Detected	2065 Detected	2417.5 Detected	Ptprk	0.762017336	0.65090623	0.80262284	0.685591
A_55_P2133	54.2 Detected	17.3 Detected	55.8 Detected	41.3 Not Detect	Bhlhe41	0.76199262	1.0295203	2.38728324	3.2254335
A_55_P1996	10623.5 Detected	7652.4 Detected	11256.6 Detected	8094.1 Detected	Soga2	0.76190521	1.0595943	1.05772045	1.4709895
A_55_P2059	105.8 Detected	75.3 Detected	122 Detected	80.6 Detected	Zfp383	0.761814745	1.15311909	1.07038513	1.6201859
A_51_P4836	4457.9 Detected	1988.7 Detected	2177.7 Detected	3395.7 Detected	Trim3	0.761726373	0.48850356	1.70749736	1.095037
A_55_P2001	7394.6 Detected	5294.2 Detected	6363.7 Detected	5631.6 Detected	Gm14443	0.761582777	0.86058746	1.06373012	1.2020135
A_55_P2117	4281.3 Detected	4425.5 Detected	3091.1 Detected	3260.5 Detected	Zmym1	0.761567748	0.72200033	0.73675291	0.6984747
A_55_P2164	17.6 Detected	25.8 Detected	22.8 Detected	13.4 Not Detect	C7	0.761363636	1.29545455	0.51937984	0.8837209
A_55_P2105	5357 Detected	4642.9 Detected	5320.1 Detected	4078 Detected	Tmed5	0.761246967	0.99311182	0.87833035	1.1458571
A_51_P4932	5094.1 Detected	4533.7 Detected	5114.7 Detected	3877.6 Detected	Mrps5	0.761194323	1.00404389	0.85528376	1.1281514
A_51_P2495	13.4 Not Detect	22 Detected	9.2 Not Detect	10.2 Not Detect	Lrrc6	0.76119403	0.68656716	0.46363636	0.4181818
A_55_P2177	712.2 Detected	273.6 Detected	863.2 Detected	542.1 Detected	Aqp11	0.761162595	1.2120191	1.98135965	3.1549708
A_55_P2125	3817.6 Detected	3498.9 Detected	3081.1 Detected	2905.5 Detected	Ola1	0.76108026	0.80707775	0.83040384	0.880591
A_55_P1987	16596.7 Detected	10950 Detected	18161.5 Detected	12630.3 Detected	Pigt	0.761012731	1.0942838	1.15345205	1.6585845
A_52_P3550	8173.5 Detected	5214.6 Detected	7616.4 Detected	6218.5 Detected	Rab40c	0.760812381	0.9318407	1.19251716	1.4605914

A_51_P3692	21955.2	Detected	14162.1	Detected	17902.8	Detected	16703.4	Detected	Tpx2	0.760794709	0.81542414	1.17944373	1.2641346
A_55_P2014	1169.8	Detected	564.1	Detected	844.2	Detected	889.9	Detected	Bach1	0.76072833	0.72166182	1.57755717	1.4965432
A_51_P1495	8042.1	Detected	6272.5	Detected	4873.4	Detected	6117.6	Detected	Apbb2	0.760696833	0.605986	0.9753049	0.776947
A_55_P2181	11.7	Not Detect	40.6	Detected	7.8	Not Detect	8.9	Not Detect	Nnmt	0.760683761	0.66666667	0.21921182	0.1921182
A_51_P2677	12638.1	Detected	10277	Detected	11629.5	Detected	9612.7	Detected	Zc3h15	0.76061275	0.9201937	0.93536051	1.1316046
A_55_P1995	4144.7	Detected	2480.4	Detected	2908.5	Detected	3152.2	Detected	Arhgap11a	0.760537554	0.70173957	1.27084341	1.1725931
A_52_P5367	1919.8	Detected	1660.2	Detected	1523.9	Detected	1460	Detected	Hpcal1	0.760495885	0.7937806	0.87941212	0.9179015
A_52_P3179	2858.7	Detected	1886	Detected	2695.9	Detected	2173.9	Detected	Zfp948	0.760450554	0.94305104	1.15265111	1.4294274
A_52_P5938	67.2	Detected	57	Detected	70.9	Detected	51.1	Not Detect	4933402P03Rik	0.760416667	1.05505952	0.89649123	1.2438596
A_66_P1182	34173.1	Detected	25981.6	Detected	23774.9	Detected	25983.3	Detected	Hnrnpa0	0.760343662	0.69571973	1.00006543	0.9150668
A_55_P2033	603.7	Detected	577.5	Detected	501.5	Detected	459	Detected	Zdhc20	0.760311413	0.83071062	0.79480519	0.8683983
A_55_P2145	22.1	Detected	20	Detected	15.1	Not Detect	16.8	Not Detect	Fbxw15	0.760180995	0.68325792	0.84	0.755
A_52_P6810	61.7	Detected	38.3	Detected	73.2	Detected	46.9	Detected	Gm10759	0.76012966	1.18638574	1.22454308	1.9112272
A_51_P2750	25677.9	Detected	21657.5	Detected	23661.9	Detected	19516	Detected	Mrps18a	0.760030999	0.92148891	0.9011197	1.0925499
A_55_P2036	62.5	Detected	43.4	Detected	41	Detected	47.5	Detected	Gm10615	0.76	0.656	1.09447005	0.9447005
A_55_P1952	50	Detected	44.4	Detected	37	Detected	38	Not Detect	Cphx1	0.76	0.74	0.85585586	0.8333333
A_55_P2071	5395.6	Detected	5504.1	Detected	4190.7	Detected	4100.5	Detected	Nab2	0.759971088	0.77668841	0.7449901	0.7613779
A_51_P1390	4459.4	Detected	4978.5	Detected	4007.7	Detected	3388.8	Detected	Wdr45	0.75992286	0.89870835	0.68068695	0.8050015
A_55_P2068	78717.7	Detected	50486.6	Detected	47295.2	Detected	59815.1	Detected	Stmn1	0.759868492	0.6008204	1.1847718	0.9367872
A_52_P3770	53.3	Detected	60.3	Detected	69.1	Detected	40.5	Not Detect	Slc16a10	0.759849906	1.29643527	0.67164179	1.145937
A_55_P2177	25042.7	Detected	20757.6	Detected	18357.9	Detected	19027.7	Detected	Cdk2ap1	0.759810244	0.73306393	0.91666185	0.8843941
A_55_P2020	82557.1	Detected	53191.7	Detected	73937.1	Detected	62725.1	Detected	Prkar1a	0.759778384	0.89558742	1.17922721	1.390012
A_51_P1776	382.8	Detected	291.5	Detected	319.1	Detected	290.8	Detected	Gabbr1	0.759665622	0.83359457	0.99759863	1.0946827
A_51_P3941	9455.2	Detected	8336.1	Detected	10219.9	Detected	7182.5	Detected	Ddx51	0.75963491	1.08087613	0.86161394	1.225981
A_55_P2085	359.8	Detected	223.3	Detected	311.9	Detected	273.3	Detected	Stk38	0.75958866	0.86687048	1.22391402	1.3967756
A_51_P4394	610.1	Detected	391.1	Detected	400.5	Detected	463.4	Detected	Padi1	0.759547615	0.65644976	1.18486321	1.0240348
A_55_P2035	60.3	Detected	63.1	Detected	59.2	Detected	45.8	Not Detect	Smarcd2	0.759535655	0.98175788	0.72583201	0.9381933
A_55_P2121	11018.3	Detected	10653.7	Detected	6175.5	Detected	8368.5	Detected	Trp53i13	0.75950918	0.56047666	0.78550175	0.5796578
A_52_P1020	1302.4	Detected	939.9	Detected	1105	Detected	989.1	Detected	Srrd	0.759444103	0.84843366	1.05234599	1.175657
A_55_P1973	62.3	Detected	71.9	Detected	55.2	Detected	47.3	Not Detect	Fam216b	0.759229535	0.88603531	0.65785814	0.767733
A_55_P2093	16107.1	Detected	13184.5	Detected	15705.7	Detected	12228.2	Detected	Gemin6	0.759180734	0.97507931	0.92746786	1.1912245
A_55_P2164	1398.5	Detected	1076.8	Detected	4006.2	Detected	1061.6	Detected	Slc9a3r2	0.759099035	2.86464069	0.9858841	3.7204681
A_55_P2049	190	Detected	128	Detected	188.8	Detected	144.2	Detected	Zfp93	0.758947368	0.99368421	1.1265625	1.475
A_55_P2226	36.5	Detected	32.3	Detected	28.7	Detected	27.7	Not Detect	4933433G19Rik	0.75890411	0.78630137	0.85758514	0.8885449
A_51_P2521	8026.1	Detected	6986.2	Detected	6114.9	Detected	6090.8	Detected	Mmgt1	0.758874173	0.76187688	0.87183304	0.8752827
A_55_P2067	539	Detected	471.9	Detected	506.8	Detected	409	Detected	Mgme1	0.758812616	0.94025974	0.86670905	1.0739563
A_51_P1289	81976	Detected	50626.8	Detected	61016.9	Detected	62201.9	Detected	Akr1b8	0.758781839	0.74432639	1.22863582	1.2052292
A_55_P2032	45.6	Detected	37.4	Detected	37.3	Detected	34.6	Not Detect	Pip5k1c	0.75877193	0.81798246	0.92513369	0.9973262
A_55_P1990	1579.8	Detected	1399.8	Detected	1273.7	Detected	1198.7	Detected	Elavl4	0.758766933	0.8062413	0.85633662	0.9099157
A_55_P2118	31.5	Detected	36.3	Detected	21.5	Detected	23.9	Not Detect	Zfp61	0.758730159	0.68253968	0.6584022	0.5922865

A_55_P2006	3606.8	Detected	2256.9	Detected	3938.8	Detected	2736.4	Detected	Rbbp9	0.758678053	1.09204835	1.21245957	1.7452258
A_55_P1971	14.5	Not Detect	22.8	Detected	8.5	Not Detect	11	Not Detect	Pla2r1	0.75862069	0.5862069	0.48245614	0.372807
A_51_P3990	32.3	Detected	33.3	Detected	41.5	Detected	24.5	Not Detect	Hmbox1	0.758513932	1.28482972	0.73573574	1.2462462
A_55_P2145	35.6	Detected	22.9	Detected	23.8	Detected	27	Not Detect	Maged2	0.758426966	0.66853933	1.1790393	1.0393013
A_51_P3636	103889.9	Detected	87953.6	Detected	110443.3	Detected	78782.1	Detected	Snrpe	0.758322994	1.06308024	0.89572343	1.2556996
A_51_P5000	21.1	Detected	37.6	Detected	22.8	Detected	16	Not Detect	Klra7	0.758293839	1.08056872	0.42553191	0.606383
A_55_P2050	1635.3	Detected	1190.8	Detected	1324.6	Detected	1240	Detected	Fance	0.758270654	0.81000428	1.04131676	1.1123614
A_55_P2174	31	Detected	30.7	Detected	14.7	Not Detect	23.5	Not Detect	Gm2102	0.758064516	0.47419355	0.76547231	0.4788274
A_51_P4211	1321.2	Detected	1065.8	Detected	1184.5	Detected	1001.5	Detected	Sys1	0.758023009	0.89653345	0.93966973	1.1113717
A_55_P2179	295	Detected	280.2	Detected	248.3	Detected	223.6	Detected	6720473M11Rik	0.757966102	0.84169492	0.79800143	0.8861527
A_66_P1011	3170.7	Detected	1514.1	Detected	1693.2	Detected	2403	Detected	Tnrc18	0.75787681	0.53401457	1.58708143	1.1182881
A_65_P0822	3638.4	Detected	2825.5	Detected	3615.9	Detected	2757.3	Detected	Snx5	0.757833113	0.99381596	0.97586268	1.2797381
A_55_P2115	11857.9	Detected	10663.8	Detected	10143.6	Detected	8983.9	Detected	Pot1a	0.757629934	0.85542971	0.84246704	0.9512181
A_55_P2433	6741.3	Detected	4647.7	Detected	5576.1	Detected	5106.4	Detected	Bloc1s6	0.757480011	0.827155	1.09869398	1.1997547
A_55_P2020	6111	Detected	3993.9	Detected	5570.8	Detected	4628	Detected	Hmgn2	0.75732286	0.91160203	1.15876712	1.3948271
A_51_P2069	4825.3	Detected	5247.4	Detected	4244.1	Detected	3654.2	Detected	Mnat1	0.757300064	0.87955153	0.69638297	0.8088005
A_55_P2139	361.1	Detected	357.8	Detected	296.8	Detected	273.4	Detected	Phf13	0.757130989	0.82193298	0.76411403	0.8295137
A_51_P2535	79000.3	Detected	56589.5	Detected	62578.9	Detected	59804.6	Detected	Ctsl	0.757017378	0.79213497	1.05681443	1.1058394
A_55_P2408	14.4	Detected	15.5	Not Detect	14.6	Not Detect	10.9	Not Detect	Mtx3	0.756944444	1.01388889	0.70322581	0.9419355
A_51_P2966	1008	Detected	872.2	Detected	585.9	Detected	762.9	Detected	Gadd45a	0.756845238	0.58125	0.87468471	0.6717496
A_51_P1728	3986.5	Detected	3127.5	Detected	3626.2	Detected	3016.5	Detected	Med19	0.756678791	0.90961997	0.96450839	1.1594564
A_51_P1391	94.1	Detected	37.5	Detected	84.5	Detected	71.2	Detected	Cpxm1	0.75664187	0.89798087	1.89866667	2.2533333
A_55_P1998	2366.4	Detected	1810.8	Detected	1742.6	Detected	1790.4	Detected	Eif2ak4	0.756592292	0.73639283	0.98873426	0.9623371
A_52_P6904	1624	Detected	1330.5	Detected	1086.1	Detected	1228.7	Detected	Nkap	0.75658867	0.66878079	0.92348741	0.8163097
A_55_P2044	19.3	Detected	17.4	Detected	21.9	Detected	14.6	Not Detect	Gm10532	0.756476684	1.13471503	0.83908046	1.2586207
A_55_P2075	4310.1	Detected	1965	Detected	2262.6	Detected	3259.9	Detected	Orai2	0.75633976	0.52495302	1.65898219	1.1514504
A_66_P1048	61.5	Detected	37.5	Detected	32.6	Detected	46.5	Detected	Trak1	0.756097561	0.5300813	1.24	0.8693333
A_55_P1976	148.8	Detected	86.1	Detected	75.5	Detected	112.5	Detected	2410018L13Rik	0.756048387	0.50739247	1.30662021	0.8768873
A_51_P2725	9250.5	Detected	9140.3	Detected	8171.2	Detected	6993.6	Detected	Naa25	0.756023999	0.88332523	0.765139	0.893975
A_51_P1919	37.7	Detected	65.5	Detected	25.7	Detected	28.5	Not Detect	Rem2	0.75596817	0.68169761	0.4351145	0.3923664
A_55_P2176	17430	Detected	16968.8	Detected	19144.1	Detected	13175.3	Detected	Prdx6	0.755897877	1.09834194	0.77644265	1.1281941
A_55_P2151	13.1	Not Detect	22	Detected	14.6	Not Detect	9.9	Not Detect	Fut9	0.755725191	1.11450382	0.45	0.6636364
A_52_P1415	14627.1	Detected	9598.1	Detected	10523.2	Detected	11053.6	Detected	H2afy	0.7556932	0.71943174	1.1516446	1.0963837
A_51_P2193	1252.2	Detected	820.4	Detected	868.9	Detected	946.1	Detected	Six5	0.755550232	0.69389874	1.15321794	1.0591175
A_65_P0387	390.6	Detected	248.4	Detected	88.1	Detected	295.1	Detected	Nav2	0.755504352	0.22555044	1.18800322	0.3546699
A_55_P2014	6349.1	Detected	4160	Detected	4864.6	Detected	4796.6	Detected	Amz2	0.755477154	0.76618733	1.15302885	1.169375
A_55_P2138	13.9	Detected	21.8	Detected	24.5	Detected	10.5	Not Detect	Efcab5	0.755395683	1.76258993	0.48165138	1.1238532
A_51_P4558	31564.8	Detected	23002.5	Detected	25893	Detected	23843.6	Detected	Ehd4	0.755385746	0.8203125	1.03656559	1.1256603
A_52_P1872	136.9	Detected	71.1	Detected	90.6	Detected	103.4	Detected	Phka2	0.755295836	0.66179693	1.45428973	1.2742616
A_52_P6627	377.9	Detected	337.1	Detected	391.9	Detected	285.4	Detected	Xrcc2	0.75522625	1.03704684	0.84663305	1.162563

A_52_P5571	1981.7	Detected	1369.8	Detected	1569.7	Detected	1496.6	Detected	Adnp	0.755210173	0.79209769	1.09256826	1.1459337
A_51_P1624	10803.8	Detected	10483.3	Detected	8483.5	Detected	8158.9	Detected	Bcr	0.755187989	0.78523297	0.77827592	0.8092395
A_55_P2087	2412.3	Detected	1182.1	Detected	2999.9	Detected	1821.6	Detected	Eva1b	0.755129959	1.24358496	1.54098638	2.5377718
A_55_P2184	25.3	Detected	31.7	Detected	32.3	Detected	19.1	Not Detect	Gm10589	0.754940711	1.27667984	0.60252366	1.0189274
A_55_P1959	2981.4	Detected	2819.1	Detected	3928.7	Detected	2250.6	Detected	AI846148	0.754880258	1.31773663	0.7983399	1.3936008
A_51_P3785	3728.4	Detected	3520.5	Detected	3460	Detected	2814.3	Detected	Rpap2	0.754827808	0.92801202	0.79940349	0.9828149
A_55_P2165	21.6	Detected	17.3	Detected	24.4	Detected	16.3	Not Detect	Athl1	0.75462963	1.12962963	0.94219653	1.4104046
A_55_P2041	9139.2	Detected	6597.5	Detected	9909.3	Detected	6894.4	Detected	Pigx	0.754376751	1.08426339	1.04500189	1.501978
A_55_P2052	17.5	Detected	19.9	Detected	15.4	Not Detect	13.2	Not Detect	Crispld2	0.754285714	0.88	0.66331658	0.7738693
A_52_P5450	86.2	Detected	56.8	Detected	54.8	Detected	65	Detected	Cep72	0.754060325	0.63573086	1.1443662	0.9647887
A_55_P2023	86.2	Detected	112.6	Detected	11.9	Not Detect	65	Detected	Aloxe3	0.754060325	0.13805104	0.57726465	0.1056838
A_51_P2089	8705.6	Detected	8540.7	Detected	8637.2	Detected	6564.2	Detected	Acbd6	0.754020401	0.99214299	0.76857869	1.0112988
A_55_P2077	6886	Detected	3938.4	Detected	4902	Detected	5190.8	Detected	Tubb2a-ps2	0.753819344	0.71187918	1.31799716	1.2446679
A_65_P1035	22930.2	Detected	18860.3	Detected	18874.5	Detected	17285	Detected	Srsf6	0.753809387	0.82312845	0.91647535	1.0007529
A_55_P2006	1147.3	Detected	1194.2	Detected	1109.2	Detected	864.8	Detected	Bmp1	0.75376972	0.9667916	0.72416681	0.9288226
A_51_P3193	1920.4	Detected	1237.8	Detected	1501.1	Detected	1447.4	Detected	Tmx4	0.753697146	0.78166007	1.16933269	1.2127161
A_66_P1247	3155	Detected	2330.3	Detected	2262.7	Detected	2377.9	Detected	Ppard	0.753692552	0.71717908	1.02042655	0.9709909
A_55_P1982	335.3	Detected	241.7	Detected	290.1	Detected	252.7	Detected	Homer1	0.753653445	0.86519535	1.04551096	1.2002482
A_55_P2179	34.9	Detected	32.6	Detected	17.5	Detected	26.3	Not Detect	Slc22a15	0.753581662	0.50143266	0.80674847	0.5368098
A_55_P2357	170.4	Detected	152	Detected	99.5	Detected	128.4	Detected	4933415E08Rik	0.753521127	0.58392019	0.84473684	0.6546053
A_55_P2078	50.3	Detected	54.3	Detected	32.5	Detected	37.9	Not Detect	Gm5589	0.753479125	0.64612326	0.69797422	0.5985267
A_55_P2105	15	Detected	14.9	Not Detect	10.5	Not Detect	11.3	Not Detect	Wdr64	0.753333333	0.7	0.75838926	0.704698
A_52_P1564	4720.5	Detected	4074.4	Detected	5045.3	Detected	3555.8	Detected	Ankrd39	0.753267662	1.06880627	0.87271746	1.2382928
A_55_P2177	46.2	Detected	49.7	Detected	45.4	Detected	34.8	Not Detect	Gm3086	0.753246753	0.98268398	0.70020121	0.9134809
A_55_P2165	3994.2	Detected	3075.9	Detected	1919.2	Detected	3008.6	Detected	Trio	0.753242201	0.48049672	0.97812022	0.6239475
A_55_P2167	15.8	Detected	7.7	Not Detect	9.1	Not Detect	11.9	Not Detect	4931429P17Rik	0.753164557	0.57594937	1.54545455	1.1818182
A_66_P1380	96	Detected	18	Detected	32.8	Detected	72.3	Detected	3110009F21Rik	0.753125	0.34166667	4.01666667	1.8222222
A_51_P3228	1367.2	Detected	937.9	Detected	1227.8	Detected	1029.6	Detected	Sh3bp4	0.753071972	0.89803979	1.09777162	1.3090948
A_55_P1955	86535.9	Detected	60911.3	Detected	77750	Detected	65165.9	Detected	Ctsa	0.753050468	0.89847104	1.06984911	1.2764462
A_51_P2247	14111.9	Detected	10921.3	Detected	9963.5	Detected	10626.4	Detected	Tmem184b	0.753009871	0.70603533	0.97299772	0.9122998
A_51_P1677	808	Detected	659.5	Detected	905.1	Detected	608.4	Detected	Kcnk13	0.752970297	1.12017327	0.92251706	1.3724033
A_55_P2080	85.4	Detected	80.6	Detected	72.8	Detected	64.3	Detected	Gm10674	0.7529274	0.85245902	0.79776675	0.9032258
A_55_P1990	239.2	Detected	182.3	Detected	179	Detected	180.1	Detected	Gas2l1	0.752926421	0.74832776	0.98793198	0.981898
A_55_P2018	12044.9	Detected	14030.9	Detected	7448.1	Detected	9068.9	Detected	Elk3	0.752924474	0.6183613	0.64635198	0.5308355
A_55_P1994	694.9	Detected	501.8	Detected	486.8	Detected	523.2	Detected	Adra2b	0.752914088	0.70053245	1.04264647	0.9701076
A_55_P2005	3957.1	Detected	3420.6	Detected	3379.4	Detected	2978.9	Detected	Cdk5rap1	0.752798767	0.85400925	0.87087061	0.9879553
A_55_P2115	2693.2	Detected	2198.7	Detected	674.4	Detected	2027.4	Detected	Acpl2	0.752784791	0.25040844	0.92209033	0.3067267
A_55_P1985	254.8	Detected	250.6	Detected	209.4	Detected	191.8	Detected	Cirbp	0.752747253	0.82182104	0.76536313	0.8355946
A_55_P2080	31544.1	Detected	23163.1	Detected	25199.2	Detected	23741.5	Detected	Rbbp7	0.75264471	0.7988562	1.02497075	1.0879027
A_55_P2083	1034.1	Detected	711.8	Detected	996.3	Detected	778.2	Detected	Hps1	0.752538439	0.96344648	1.09328463	1.3996909

A_55_P1966	4751.2	Detected	3621.5	Detected	4591.2	Detected	3575.4	Detected	Rab5a	0.752525678	0.9663243	0.98727047	1.267762
A_55_P2058	622.1	Detected	541.7	Detected	510	Detected	468.1	Detected	Nhlh1	0.752451374	0.81980389	0.86413144	0.9414805
A_51_P3454	2940.5	Detected	1612	Detected	2211.8	Detected	2212.5	Detected	Pi4k2a	0.752423057	0.752185	1.37251861	1.3720844
A_66_P1061	2325.3	Detected	2383.2	Detected	1788.1	Detected	1749.6	Detected	Raet1c	0.752419043	0.76897605	0.73413897	0.7502937
A_55_P1969	589.7	Detected	396.9	Detected	512.6	Detected	443.7	Detected	Brip1	0.752416483	0.86925555	1.11791383	1.2915092
A_66_P1202	1736.1	Detected	1543	Detected	1385.3	Detected	1306.2	Detected	Cnnm3	0.752376015	0.79793791	0.84653273	0.8977965
A_55_P2332	105.8	Detected	73.3	Detected	84.6	Detected	79.6	Detected	4930453H23Rik	0.752362949	0.79962193	1.08594816	1.154161
A_51_P1728	11371.2	Detected	9949.4	Detected	15282.7	Detected	8554.4	Detected	Cd14	0.752286478	1.34398304	0.85979054	1.5360424
A_52_P4037	152.5	Detected	63.4	Detected	61.1	Detected	114.7	Detected	4930402H24Rik	0.752131148	0.40065574	1.80914826	0.9637224
A_51_P2594	15428	Detected	12025	Detected	10011.1	Detected	11603.8	Detected	Tmem70	0.752126005	0.64889163	0.96497297	0.8325239
A_51_P3822	3202	Detected	3285.3	Detected	2790.7	Detected	2408.2	Detected	Rnf2	0.752092442	0.87154903	0.73302286	0.8494506
A_51_P3331	34268.7	Detected	28847.6	Detected	24960.5	Detected	25771.4	Detected	Rpa1	0.752039033	0.72837604	0.89336375	0.865254
A_55_P2232	12.5	Not Detect	11	Not Detect	26.1	Detected	9.4	Not Detect	AY512915	0.752	2.088	0.85454545	2.3727273
A_52_P3619	4315.3	Detected	3392.9	Detected	3069	Detected	3245	Detected	Zc2hc1a	0.751975529	0.71119042	0.95640897	0.9045359
A_55_P2004	2598	Detected	1995.1	Detected	2109.4	Detected	1953.2	Detected	Iqce	0.751809084	0.81193226	0.97899855	1.0572904
A_55_P2062	55.6	Detected	39	Detected	38.2	Detected	41.8	Not Detect	Mfap2	0.751798561	0.68705036	1.07179487	0.9794872
A_55_P2127	2300.5	Detected	1761.5	Detected	1872.8	Detected	1729.5	Detected	Ppp1r21	0.751793088	0.81408389	0.98183366	1.0631848
A_52_P3184	4630.1	Detected	3975.2	Detected	5042.8	Detected	3480	Detected	Nab1	0.751603637	1.08913414	0.87542765	1.2685651
A_51_P4293	16202	Detected	9507.6	Detected	15257.1	Detected	12175.5	Detected	Hes6	0.751481299	0.94168004	1.28060709	1.6047267
A_55_P2152	7201.6	Detected	5460.8	Detected	5030.5	Detected	5411.7	Detected	Tcf19	0.751458009	0.69852533	0.99100864	0.921202
A_55_P2142	135742.8	Detected	155645	Detected	105645.6	Detected	102004.2	Detected	Ywhaq	0.751452011	0.77827774	0.65536445	0.67876
A_55_P2180	3425.4	Detected	2400.7	Detected	4419.6	Detected	2573.6	Detected	Gln5	0.751328312	1.29024348	1.07202066	1.8409631
A_66_P1356	107.3	Detected	172.3	Detected	224.3	Detected	80.6	Detected	Capn9	0.751164958	2.09040075	0.46778874	1.3017992
A_55_P2011	1614.2	Detected	977.1	Detected	1797	Detected	1212.4	Detected	Cdk5rap1	0.751084128	1.11324495	1.24081466	1.8391158
A_55_P1965	5840.8	Detected	4323.6	Detected	5473.2	Detected	4386.9	Detected	2300009A05Rik	0.751078619	0.93706342	1.01464058	1.2658895
A_55_P2018	5775.7	Detected	3655	Detected	3932.3	Detected	4337.5	Detected	Amz2	0.750991222	0.68083522	1.18673051	1.0758687
A_52_P3642	544.9	Detected	385.4	Detected	534.4	Detected	409.2	Detected	Pik3c2a	0.75096348	0.98073041	1.06175402	1.3866113
A_52_P6144	3515.7	Detected	2338.9	Detected	3453.5	Detected	2638.9	Detected	Rpusd1	0.750604432	0.98230793	1.12826542	1.4765488
A_55_P1986	48.5	Detected	38.3	Detected	41.8	Detected	36.4	Not Detect	G6bos	0.750515464	0.86185567	0.95039164	1.0913838
A_52_P4746	581.6	Detected	376.9	Detected	499.6	Detected	436.4	Detected	Stk4	0.750343879	0.85900963	1.15786681	1.3255505
A_55_P2061	4405.3	Detected	3350.8	Detected	2599	Detected	3305.2	Detected	Ift74	0.750278074	0.58997117	0.98639131	0.7756357
A_55_P2180	7441.1	Detected	6521.2	Detected	6444.5	Detected	5582.6	Detected	Gls	0.75023854	0.86606819	0.85606944	0.9882384
A_51_P2037	2263.9	Detected	1982.6	Detected	2609.4	Detected	1698.4	Detected	Taf8	0.750209815	1.15261275	0.85665288	1.3161505
A_55_P2024	25566.8	Detected	14854.8	Detected	19300.8	Detected	19179.4	Detected	Dtnbp1	0.750168187	0.75491653	1.29112475	1.2992972
A_55_P2124	8546.1	Detected	5742.6	Detected	6315.7	Detected	6411	Detected	Ambra1	0.750166743	0.73901546	1.11639327	1.099798
A_51_P4855	2874.9	Detected	1865.3	Detected	1809.4	Detected	2156.5	Detected	Tab3	0.750113047	0.62937841	1.1561143	0.9700316
A_55_P2130	15.6	Detected	11.1	Not Detect	19.1	Detected	11.7	Not Detect	Jakmip1	0.75	1.22435897	1.05405405	1.7207207
A_52_P2086	12.8	Not Detect	17.7	Detected	12	Not Detect	9.6	Not Detect	Cartpt	0.75	0.9375	0.54237288	0.6779661
A_55_P2068	685.1	Detected	454.5	Detected	604.4	Detected	513.8	Detected	5430401F13Rik	0.749963509	0.88220698	1.13047305	1.329813
A_55_P1987	10455.9	Detected	8221.5	Detected	8046.7	Detected	7840.7	Detected	Map4k4	0.749882841	0.76958464	0.95368242	0.9787387

A_55_P2103	27731.2	Detected	17346.3	Detected	22042.9	Detected	20792.8	Detected	Slc30a4	0.749798061	0.79487725	1.1986879	1.2707551
A_55_P2138	7650.9	Detected	4353.4	Detected	5619.6	Detected	5736.3	Detected	Lrfr4	0.749754931	0.73450182	1.31765976	1.2908531
A_66_P1061	2351.1	Detected	1183.5	Detected	1817.4	Detected	1762.7	Detected	Magi3	0.749734167	0.77299987	1.48939586	1.5356147
A_51_P2249	688.3	Detected	650.9	Detected	567.8	Detected	516	Detected	BC027231	0.749673108	0.82493099	0.7927485	0.8723306
A_55_P1992	150.6	Detected	287.7	Detected	109.9	Detected	112.9	Detected	A430089I19Rik	0.749667995	0.72974768	0.39242266	0.3819951
A_55_P2141	65.9	Detected	98.9	Detected	35	Detected	49.4	Not Detect	Ube2l6	0.749620637	0.53110774	0.49949444	0.3538928
A_66_P1360	124.6	Detected	88.1	Detected	126	Detected	93.4	Detected	Nsun7	0.749598716	1.01123596	1.06015891	1.430193
A_51_P2404	10965.8	Detected	7223.8	Detected	8308.2	Detected	8219.5	Detected	Nusap1	0.749557716	0.7576465	1.13783604	1.1501149
A_51_P1117	1901.4	Detected	1343.3	Detected	1586.5	Detected	1425	Detected	Asb1	0.749447775	0.83438519	1.06082037	1.1810467
A_55_P2082	2738.6	Detected	1562.4	Detected	2305.6	Detected	2052.3	Detected	Spin1	0.749397502	0.84189002	1.31355607	1.4756784
A_55_P2069	9986.2	Detected	10800.8	Detected	10359.8	Detected	7483	Detected	Tymp	0.749334081	1.03741163	0.69281905	0.9591697
A_55_P1954	22767.7	Detected	19632.9	Detected	23531	Detected	17060.3	Detected	Snrpc	0.749320309	1.03352556	0.86896485	1.1985494
A_55_P2016	10841.3	Detected	8164.3	Detected	9609	Detected	8123.5	Detected	Xrn2	0.749310507	0.88633282	0.99500263	1.1769533
A_51_P3816	1877.2	Detected	182.3	Detected	3763.6	Detected	1406.5	Detected	Pla1a	0.749254208	2.00490092	7.71530444	20.645091
A_55_P2050	7917.6	Detected	5761.3	Detected	6779.5	Detected	5931.9	Detected	Mtg2	0.749204304	0.85625695	1.02961137	1.1767309
A_55_P2154	14201.6	Detected	9448.5	Detected	14288.1	Detected	10639.6	Detected	Mrpl39	0.749183191	1.00609086	1.12606234	1.5122083
A_55_P2051	59.8	Detected	52.1	Detected	69.7	Detected	44.8	Not Detect	Gm11634	0.74916388	1.16555184	0.85988484	1.3378119
A_55_P2023	43244.5	Detected	39577.6	Detected	42044.8	Detected	32396	Detected	Lsm2	0.749135728	0.97225774	0.81854382	1.0623383
A_51_P3868	17631.3	Detected	17143.3	Detected	21782.4	Detected	13208	Detected	Stip1	0.7491223	1.23543925	0.77044676	1.2706072
A_55_P2018	13213.1	Detected	12782.6	Detected	15919.5	Detected	9897.9	Detected	2410127L17Rik	0.749097487	1.20482703	0.77432604	1.2454039
A_55_P2176	31423.4	Detected	31878.6	Detected	34304.2	Detected	23533.8	Detected	Prdx6	0.74892596	1.0916769	0.73823192	1.0760887
A_51_P4877	685.1	Detected	521.8	Detected	571.3	Detected	512.9	Detected	E2f3	0.748649832	0.83389286	0.98294366	1.0948639
A_55_P2113	17.9	Detected	13.8	Not Detect	11.2	Not Detect	13.4	Not Detect	Foxo4	0.748603352	0.62569832	0.97101449	0.8115942
A_51_P4398	10210.9	Detected	9409.4	Detected	5666.1	Detected	7642.9	Detected	Map4k4	0.74850405	0.55490701	0.81226221	0.6021744
A_55_P2025	144.7	Detected	88.6	Detected	122.8	Detected	108.3	Detected	Arhgap6	0.748445059	0.84865238	1.22234763	1.3860045
A_55_P2035	10869	Detected	10003.9	Detected	9182.3	Detected	8134.2	Detected	Arhgef15	0.748385316	0.84481553	0.81310289	0.917872
A_55_P1992	10412.8	Detected	7460.3	Detected	8059.4	Detected	7792	Detected	Armc10	0.748309773	0.7739897	1.04446202	1.0803051
A_51_P4237	614.9	Detected	961.4	Detected	49	Detected	460.1	Detected	Fam84a	0.748251748	0.07968775	0.47857291	0.0509673
A_55_P1960	8550.9	Detected	5698.6	Detected	8198.1	Detected	6398.1	Detected	Cd151	0.748237028	0.95874119	1.12274945	1.4386165
A_52_P6031	182.3	Detected	144.6	Detected	152.5	Detected	136.4	Detected	Sufu	0.748217224	0.83653319	0.94329184	1.0546335
A_55_P2061	3914.2	Detected	2964.2	Detected	3332	Detected	2928.6	Detected	Ppp1r21	0.748198866	0.85125952	0.98799001	1.1240807
A_52_P3063	4702.4	Detected	3935	Detected	4131.7	Detected	3518.3	Detected	Ppp3cb	0.748192412	0.87863644	0.89410419	1.0499873
A_55_P2043	32606.4	Detected	19598.8	Detected	17131.7	Detected	24392.9	Detected	Stmn1	0.7481016	0.52540912	1.24461192	0.8741198
A_55_P2021	28481.5	Detected	16348.2	Detected	21715.6	Detected	21306.4	Detected	Phldb2	0.748078577	0.7624458	1.30328721	1.3283175
A_55_P2077	34535.2	Detected	18265.9	Detected	21289.6	Detected	25833.7	Detected	Cenpb	0.748039681	0.61646089	1.41431301	1.165538
A_66_P1015	12.7	Not Detect	20.5	Detected	3.4	Not Detect	9.5	Not Detect	Gm2176	0.748031496	0.26771654	0.46341463	0.1658537
A_55_P1980	716.2	Detected	465.6	Detected	480	Detected	535.7	Detected	Tmem189	0.747975426	0.67020385	1.15055842	1.0309278
A_52_P2093	15625.2	Detected	9694.2	Detected	10957.6	Detected	11686.3	Detected	Snx12	0.747913627	0.70127742	1.20549401	1.1303253
A_55_P1992	1880	Detected	1568.8	Detected	973.2	Detected	1405.9	Detected	Simc1	0.747819149	0.51765957	0.89616267	0.6203468
A_55_P2070	21783.4	Detected	14190.3	Detected	15921.1	Detected	16288.3	Detected	Caprin1	0.747739104	0.73088223	1.14784747	1.1219706

A_55_P1976	10748.3	Detected	6360.4	Detected	10139.2	Detected	8036.4	Detected	Dgcr6	0.747690332	0.94333057	1.26350544	1.5941136
A_55_P1981	52.7	Detected	55.5	Detected	42.3	Detected	39.4	Not Detect	Il24	0.747628083	0.80265655	0.70990991	0.7621622
A_55_P1990	103802	Detected	69454.6	Detected	97958.9	Detected	77599.6	Detected	Ube2v1	0.747573264	0.94370918	1.11727085	1.4104019
A_51_P2099	1420.4	Detected	1114.5	Detected	1502.8	Detected	1061.7	Detected	Rtn2	0.747465503	1.05801183	0.9526245	1.3484074
A_51_P4285	110.4	Detected	56.9	Detected	81.5	Detected	82.5	Detected	Cspp1	0.747282609	0.73822464	1.44991213	1.4323374
A_52_P6619	2193.5	Detected	1713.2	Detected	1808.1	Detected	1638.9	Detected	Fbxo11	0.74716207	0.82429907	0.95663087	1.0553934
A_55_P2007	95.7	Detected	117.9	Detected	77	Detected	71.5	Detected	Zscan4c	0.747126437	0.8045977	0.60644614	0.6530958
A_52_P3762	852.1	Detected	740.7	Detected	640.2	Detected	636.6	Detected	Nrf1	0.747095411	0.75132027	0.85945727	0.8643175
A_55_P2034	4738.5	Detected	2899.8	Detected	3227.6	Detected	3540	Detected	LOC100861651	0.747071858	0.68114382	1.22077385	1.1130423
A_52_P6780	3255.9	Detected	1708.5	Detected	3951.2	Detected	2431.8	Detected	Eva1b	0.746890261	1.21355078	1.42335382	2.3126719
A_51_P1171	119.7	Detected	100.7	Detected	71.7	Detected	89.4	Detected	Olf1r53	0.746867168	0.59899749	0.8877855	0.7120159
A_51_P3416	1248.7	Detected	752.7	Detected	1050.9	Detected	932.5	Detected	Zfp87	0.746776648	0.84159526	1.23887339	1.3961738
A_55_P2066	115.7	Detected	55	Detected	74.8	Detected	86.4	Detected	Hoxa9	0.746758859	0.64649957	1.57090909	1.36
A_55_P2406	22.5	Detected	10.6	Not Detect	12.7	Not Detect	16.8	Not Detect	Tuba-rs1	0.746666667	0.56444444	1.58490566	1.1981132
A_52_P4883	780	Detected	728.3	Detected	653.4	Detected	582.4	Detected	Tmem110	0.746666667	0.83769231	0.79967047	0.8971578
A_55_P2169	15	Not Detect	20.1	Detected	16.9	Not Detect	11.2	Not Detect	Cep128	0.746666667	1.12666667	0.55721393	0.840796
A_55_P2065	1311.3	Detected	770.9	Detected	764.2	Detected	979.1	Detected	Camsap1	0.7466663616	0.58278045	1.27007394	0.9913089
A_55_P2069	740	Detected	639.9	Detected	602.2	Detected	552.5	Detected	Ubxn7	0.746621622	0.81378378	0.86341616	0.9410845
A_55_P2039	26469.2	Detected	21811.4	Detected	24425	Detected	19758.9	Detected	Ccnf	0.746486482	0.92277062	0.90589783	1.1198272
A_55_P2009	10384.7	Detected	6115.5	Detected	7839.3	Detected	7752	Detected	Ocrl	0.746482806	0.7548894	1.26759872	1.2818739
A_51_P5180	1992.7	Detected	1069.1	Detected	1498	Detected	1487.3	Detected	Dusp4	0.746374266	0.75174387	1.39117014	1.4011786
A_51_P2006	5283.9	Detected	3449.3	Detected	4332.4	Detected	3943.7	Detected	Zbtb12	0.746361589	0.81992468	1.14333343	1.256023
A_55_P2081	359.5	Detected	446.4	Detected	265	Detected	268.3	Detected	Nxn	0.746314325	0.73713491	0.60103047	0.593638
A_51_P1023	1132.9	Detected	884.1	Detected	1057.9	Detected	845.3	Detected	Zbtb41	0.746138229	0.93379822	0.95611356	1.1965841
A_55_P2053	51.6	Detected	49	Detected	46.7	Detected	38.5	Not Detect	Gm10632	0.746124031	0.90503876	0.78571429	0.9530612
A_55_P1954	19.3	Detected	21.7	Detected	23	Detected	14.4	Not Detect	5430417L22Rik	0.74611399	1.19170984	0.66359447	1.0599078
A_55_P1988	262.3	Detected	258.5	Detected	206	Detected	195.7	Detected	Mdm1	0.746092261	0.78536027	0.75705996	0.7969052
A_55_P2095	1412.2	Detected	1175.6	Detected	368.8	Detected	1053.6	Detected	Nfix	0.746069962	0.26115281	0.89622321	0.3137121
A_55_P2327	18.9	Detected	22.8	Detected	27.4	Detected	14.1	Not Detect	4931431B13Rik	0.746031746	1.44973545	0.61842105	1.2017544
A_55_P2145	12.6	Not Detect	21.5	Detected	3.4	Not Detect	9.4	Not Detect	Dmpk	0.746031746	0.26984127	0.4372093	0.1581395
A_51_P1432	18.1	Detected	24.7	Detected	15.5	Not Detect	13.5	Not Detect	Tcstv3	0.745856354	0.85635359	0.5465587	0.6275304
A_55_P2071	2879.9	Detected	2339.5	Detected	2280.5	Detected	2147.9	Detected	Silp	0.745824508	0.79186777	0.91810216	0.9747809
A_55_P1985	40.5	Detected	55.4	Detected	33.2	Detected	30.2	Not Detect	Man1c1	0.745679012	0.81975309	0.54512635	0.599278
A_51_P4668	6421.2	Detected	4816.9	Detected	7247.8	Detected	4787.8	Detected	Fam109a	0.745623871	1.12872983	0.99395877	1.5046607
A_52_P4966	139.1	Detected	188	Detected	137.5	Detected	103.7	Detected	2700081O15Rik	0.74550683	0.98849748	0.55159574	0.731383
A_51_P3306	2470.9	Detected	1553.9	Detected	2806.5	Detected	1841.9	Detected	Usp3	0.745436885	1.13582096	1.18534011	1.8061008
A_55_P2045	292.6	Detected	220.7	Detected	214.5	Detected	218.1	Detected	Hjrp	0.745386193	0.73308271	0.9882193	0.9719076
A_55_P2064	1610.9	Detected	1021.8	Detected	1427.3	Detected	1200.7	Detected	Rhot2	0.745359737	0.88602644	1.17508319	1.3968487
A_55_P2031	2018	Detected	1496.9	Detected	1720.6	Detected	1504.1	Detected	Ahcy	0.745341923	0.85262636	1.00480994	1.1494422
A_55_P2042	115.4	Detected	93.7	Detected	125.8	Detected	86	Detected	Pthr1	0.745233969	1.09012132	0.91782284	1.3425827

A_51_P4768	17517.3	Detected	12902.2	Detected	15384.9	Detected	13054.4	Detected	Fance	0.745229002	0.87826891	1.01179644	1.1924245
A_66_P1219	355.5	Detected	414.1	Detected	181.1	Detected	264.9	Detected	Slc4a11	0.745147679	0.50942335	0.63970056	0.437334
A_55_P2094	21191.1	Detected	18481.7	Detected	16308.9	Detected	15785.3	Detected	Ralgps1	0.744902341	0.76961083	0.85410433	0.8824351
A_51_P2992	4217.1	Detected	2268.1	Detected	3044.9	Detected	3140.7	Detected	Wdr90	0.744753504	0.72203647	1.3847273	1.3424893
A_55_P2143	3066.5	Detected	1972.1	Detected	2796.9	Detected	2283.2	Detected	LOC628147	0.744562204	0.91208218	1.15775062	1.4182344
A_52_P4110	35.2	Detected	33.1	Detected	36.1	Detected	26.2	Not Detect	Pdpr	0.744318182	1.02556818	0.79154079	1.0906344
A_55_P2082	117.3	Detected	65.8	Detected	101.2	Detected	87.3	Detected	Gabbr1	0.744245524	0.8627451	1.32674772	1.5379939
A_55_P2185	69206.4	Detected	52045.8	Detected	59564.6	Detected	51506	Detected	Umps	0.744237527	0.86068052	0.98962837	1.1444651
A_51_P2682	207.6	Detected	553.5	Detected	299.3	Detected	154.5	Detected	Il34	0.744219653	1.44171484	0.27913279	0.5407407
A_52_P4803	1874.5	Detected	1305.4	Detected	1753.5	Detected	1395	Detected	Sppl3	0.744198453	0.93544945	1.06863797	1.3432664
A_52_P2785	29.3	Detected	41.5	Detected	13.9	Not Detect	21.8	Not Detect	Zbtb1	0.744027304	0.47440273	0.5253012	0.3349398
A_55_P1953	7011.2	Detected	3714	Detected	8663.5	Detected	5216.5	Detected	Sord	0.744023848	1.23566579	1.40455035	2.3326602
A_55_P2106	58.2	Detected	45.1	Detected	3.8	Not Detect	43.3	Not Detect	Gm2042	0.743986254	0.0652921	0.96008869	0.0842572
A_55_P2023	36308.4	Detected	25720.6	Detected	38295.2	Detected	27011.3	Detected	Fam107b	0.743940796	1.05472012	1.05018157	1.4888922
A_55_P2022	22040.8	Detected	27690.1	Detected	20437.3	Detected	16396.5	Detected	Nxn	0.743915829	0.92724856	0.59214304	0.7380725
A_51_P2113	7835.6	Detected	6868.9	Detected	6248.4	Detected	5828.6	Detected	Eif3j1	0.743861351	0.79743734	0.84854926	0.9096653
A_55_P2296	1191.7	Detected	920.8	Detected	1005.6	Detected	886.4	Detected	Sp3	0.743811362	0.84383654	0.96264118	1.0920938
A_51_P4007	14678.3	Detected	9610.8	Detected	12364.5	Detected	10917	Detected	Hdgfrp2	0.743750979	0.84236594	1.1359096	1.2865214
A_51_P3323	3634.7	Detected	2871	Detected	2511	Detected	2703.3	Detected	Kif18a	0.743747765	0.69084106	0.9415883	0.8746082
A_66_P1265	97.5	Detected	225.7	Detected	72.8	Detected	72.5	Detected	Gm7963	0.743589744	0.74666667	0.32122286	0.3225521
A_55_P1956	34.3	Detected	38.8	Detected	26	Detected	25.5	Not Detect	1700101E01Rik	0.743440233	0.75801749	0.65721649	0.6701031
A_55_P2035	11301.5	Detected	3870.6	Detected	4806.4	Detected	8401.5	Detected	Rasgef1b	0.743396894	0.42528868	2.17059371	1.2417713
A_66_P1309	217.4	Detected	188.6	Detected	205.1	Detected	161.6	Detected	Dcaf7	0.743330267	0.94342226	0.85683987	1.0874867
A_55_P2111	287.1	Detected	382.4	Detected	296.5	Detected	213.4	Detected	Trmt10a	0.743295019	1.03274121	0.55805439	0.7753661
A_55_P2007	273.8	Detected	467.7	Detected	234.7	Detected	203.5	Detected	Zscan4f	0.743243243	0.85719503	0.43510798	0.5018174
A_52_P4592	746.5	Detected	487.7	Detected	495.4	Detected	554.8	Detected	Ift81	0.743201608	0.66363027	1.13758458	1.0157884
A_55_P2182	466.8	Detected	285.1	Detected	378.8	Detected	346.9	Detected	Cacng6	0.743144816	0.81148243	1.21676605	1.3286566
A_55_P2036	13541.7	Detected	16317.9	Detected	14695.6	Detected	10063.2	Detected	Dis3	0.743126786	1.08521087	0.616697	0.9005816
A_55_P1992	5909.5	Detected	3952.5	Detected	4658.7	Detected	4390.2	Detected	Dsn1	0.742905491	0.78834081	1.11074004	1.1786717
A_55_P2087	3383.3	Detected	1836.2	Detected	3160.1	Detected	2513.4	Detected	Slc25a10	0.742884166	0.93402891	1.36880514	1.7209999
A_51_P4333	17.1	Detected	10.2	Not Detect	6.5	Not Detect	12.7	Not Detect	1700019A02Rik	0.742690058	0.38011696	1.24509804	0.6372549
A_52_P2227	16317.9	Detected	12170.7	Detected	12371.4	Detected	12118.6	Detected	Lims1	0.742656837	0.75814903	0.99571923	1.0164904
A_66_P1074	43.9	Detected	28.8	Detected	23	Detected	32.6	Not Detect	Arhgef33	0.742596811	0.523918	1.13194444	0.7986111
A_55_P1989	493	Detected	485.1	Detected	427.9	Detected	366.1	Detected	Oas1d	0.742596349	0.86795132	0.75468975	0.8820862
A_51_P3673	23798.1	Detected	13398.2	Detected	23893.2	Detected	17669.4	Detected	Chaf1b	0.742471038	1.00399612	1.31878909	1.7833142
A_55_P2086	13784.5	Detected	10685.9	Detected	9720.1	Detected	10234.4	Detected	Atxn2	0.742457108	0.70514709	0.95774806	0.9096192
A_52_P1747	4520.3	Detected	2916.8	Detected	3715.4	Detected	3356	Detected	Ripk1	0.7424286	0.8219366	1.15057597	1.2737932
A_55_P2078	1829.3	Detected	1347.3	Detected	1451.2	Detected	1358	Detected	Ppp1r10	0.742360466	0.79330892	1.00794181	1.0771172
A_55_P2029	2038.2	Detected	1316.9	Detected	1524	Detected	1513	Detected	Osbpl1a	0.742321656	0.74771858	1.14891032	1.1572633
A_52_P3999	1282.2	Detected	1288.7	Detected	663.1	Detected	951.5	Detected	B4galt2	0.742083918	0.51715801	0.73834096	0.5145495

A_55_P1997	818	Detected	1036.4	Detected	673.1	Detected	607	Detected	Adamtsl5	0.74205379	0.82286064	0.5856812	0.6494597
A_55_P2213	69	Detected	45.5	Detected	49.7	Detected	51.2	Detected	LOC269472	0.742028986	0.72028986	1.12527473	1.0923077
A_55_P2130	219	Detected	567.8	Detected	73.9	Detected	162.5	Detected	Dnmt3b	0.742009132	0.33744292	0.28619232	0.1301515
A_55_P2136	30445.3	Detected	16852.4	Detected	24700.5	Detected	22587.7	Detected	Wbp11	0.741910903	0.81130749	1.34032541	1.4656963
A_55_P2030	5962.8	Detected	5136.5	Detected	4423.8	Detected	4422.8	Detected	Fnbp1	0.741732072	0.74189978	0.86105325	0.8612479
A_55_P2148	14658.8	Detected	15866.1	Detected	15752.9	Detected	10872.4	Detected	Wdr12	0.74169782	1.07463776	0.68525977	0.9928653
A_55_P2183	3014.1	Detected	2058.8	Detected	1857.8	Detected	2235.1	Detected	Fmr1	0.741548057	0.61636973	1.08563241	0.9023703
A_55_P2098	1608.8	Detected	1288.5	Detected	1141.9	Detected	1193	Detected	Map2k4	0.741546494	0.70978369	0.92588281	0.8862243
A_55_P2184	14.7	Detected	20.2	Detected	34.6	Detected	10.9	Not Detect	Dnah7a	0.741496599	2.3537415	0.53960396	1.7128713
A_55_P2234	111.4	Detected	115.6	Detected	13.9	Not Detect	82.6	Detected	3110027N22Rik	0.741472172	0.12477558	0.71453287	0.1202422
A_55_P2113	23874.7	Detected	15942.1	Detected	22009.2	Detected	17701.8	Detected	Wash	0.741445966	0.92186289	1.11038069	1.3805709
A_52_P6468	1480.1	Detected	249.7	Detected	2051.2	Detected	1097.2	Detected	Camk2n1	0.741301263	1.38585231	4.39407289	8.2146576
A_55_P2147	126	Detected	78.2	Detected	104.4	Detected	93.4	Detected	Zfp712	0.741269841	0.82857143	1.1943734	1.3350384
A_52_P6672	505.5	Detected	342.1	Detected	349.6	Detected	374.7	Detected	Cers6	0.741246291	0.69159248	1.09529377	1.0219234
A_51_P3817	53320.4	Detected	39336.4	Detected	45787.3	Detected	39519.1	Detected	Slmo2	0.741162857	0.85872011	1.00464455	1.1639931
A_55_P2040	30.9	Detected	25	Detected	21.9	Detected	22.9	Not Detect	Gm6880	0.741100324	0.70873786	0.916	0.876
A_55_P2148	288.1	Detected	280.4	Detected	190.6	Detected	213.5	Detected	Foxred2	0.741062131	0.66157584	0.76141227	0.6797432
A_55_P1974	9762.2	Detected	8897.2	Detected	8165.6	Detected	7233.5	Detected	Kat2a	0.740970273	0.8364508	0.81300859	0.9177719
A_66_P1164	35.9	Detected	125.8	Detected	16.8	Detected	26.6	Not Detect	Flt3	0.740947075	0.46796657	0.21144674	0.1335453
A_52_P5588	16655.7	Detected	11916.1	Detected	10535.4	Detected	12340	Detected	Rras2	0.740887504	0.63254021	1.03557372	0.8841316
A_55_P1954	18903.1	Detected	21041.5	Detected	19343.5	Detected	14002.4	Detected	Wdr43	0.740746227	1.02329777	0.66546587	0.9193023
A_55_P1959	541.3	Detected	444.3	Detected	404.5	Detected	400.9	Detected	Gm10324	0.740624423	0.74727508	0.90231825	0.9104209
A_55_P2336	34.3	Detected	22.4	Detected	26.4	Detected	25.4	Not Detect	4933404K13Rik	0.740524781	0.7696793	1.13392857	1.1785714
A_51_P2105	18114.7	Detected	16855.4	Detected	13887.7	Detected	13413.6	Detected	Pptc7	0.740481487	0.7666536	0.79580431	0.8239318
A_55_P2156	3045.8	Detected	2388.5	Detected	2868.3	Detected	2255	Detected	Nt5c3b	0.74036378	0.94172303	0.94410718	1.2008792
A_55_P2087	370.9	Detected	319.7	Detected	242.2	Detected	274.6	Detected	Sema3e	0.740361283	0.6530062	0.85893025	0.7575852
A_55_P1974	3786.7	Detected	2814.9	Detected	3797.9	Detected	2803.5	Detected	Sumf2	0.740354398	1.00295772	0.99595012	1.3492131
A_55_P2064	165.6	Detected	129	Detected	61.1	Detected	122.6	Detected	Lrrcc1	0.740338164	0.36896135	0.9503876	0.4736434
A_51_P3364	52913.2	Detected	45752.2	Detected	48188.8	Detected	39171	Detected	Emc7	0.740287868	0.91071415	0.85615555	1.0532565
A_55_P2182	2346.4	Detected	1704.2	Detected	1970.5	Detected	1736.8	Detected	Prkab1	0.74019775	0.83979714	1.01912921	1.156261
A_51_P1580	565.8	Detected	205.5	Detected	294.4	Detected	418.8	Detected	Wipi1	0.74019088	0.5203252	2.0379562	1.4326034
A_55_P2046	384.4	Detected	303.3	Detected	330	Detected	284.5	Detected	Zfp81	0.740114464	0.85848075	0.93801517	1.0880317
A_55_P1978	2999.3	Detected	2295.8	Detected	1862.6	Detected	2219.8	Detected	Tnlp2	0.740106025	0.62101157	0.96689607	0.8113076
A_55_P2348	195.8	Detected	161.4	Detected	180.5	Detected	144.9	Detected	B130052P14Rik	0.740040858	0.92185904	0.89776952	1.1183395
A_66_P1025	547.2	Detected	514	Detected	320.1	Detected	404.9	Detected	Tspan5	0.73994883	0.58497807	0.78774319	0.6227626
A_51_P2618	59.6	Detected	53	Detected	49.4	Detected	44.1	Not Detect	Olfcr3	0.739932886	0.82885906	0.83207547	0.9320755
A_55_P1991	22.3	Detected	18.7	Detected	19.2	Detected	16.5	Not Detect	Zfand5	0.739910314	0.86098655	0.88235294	1.026738
A_66_P1084	387.5	Detected	264.4	Detected	314.9	Detected	286.7	Detected	Zdhc5	0.739870968	0.81264516	1.08434191	1.1909985
A_55_P2073	455.1	Detected	307.1	Detected	354.8	Detected	336.7	Detected	Ndufb11	0.739837398	0.77960888	1.09638554	1.155324
A_55_P2006	101239.6	Detected	62338.7	Detected	97684	Detected	74887.7	Detected	Serf2	0.739707585	0.96487936	1.20130352	1.5669881

A_52_P2181	17881.6	Detected	12515.7	Detected	13461.3	Detected	13226.9	Detected	Zdhc5	0.739693316	0.75280176	1.05682463	1.0755531
A_55_P1982	16.9	Detected	10.4	Not Detect	9.1	Not Detect	12.5	Not Detect	Scara5	0.73964497	0.53846154	1.20192308	0.875
A_51_P4692	1125.1	Detected	701.8	Detected	773.8	Detected	832.1	Detected	Nrp1	0.739578704	0.68776109	1.18566543	1.1025933
A_55_P2144	21.5	Detected	50.5	Detected	21.7	Detected	15.9	Not Detect	Gm10386	0.739534884	1.00930233	0.31485149	0.429703
A_51_P1752	457.4	Detected	428.4	Detected	397.2	Detected	338.2	Detected	Fbxl18	0.739396589	0.86838653	0.78944911	0.9271709
A_55_P2069	57062.7	Detected	37305.5	Detected	46117.2	Detected	42191.1	Detected	Dynlr1b1	0.739381417	0.80818468	1.13096192	1.2362038
A_55_P1990	25711.4	Detected	17839.3	Detected	23890.4	Detected	19009.6	Detected	Ergic3	0.739345193	0.92917539	1.06560235	1.3392005
A_52_P5884	2489.8	Detected	342.4	Detected	2946.6	Detected	1840.6	Detected	Fbln1	0.739256165	1.18346855	5.37558411	8.6057243
A_55_P2101	12344	Detected	6307.7	Detected	13483.6	Detected	9124.1	Detected	Smad3	0.739152625	1.09232016	1.44650189	2.1376413
A_55_P2053	13.8	Not Detect	18.9	Detected	9.4	Not Detect	10.2	Not Detect	Gm10474	0.739130435	0.68115942	0.53968254	0.4973545
A_52_P4886	2458	Detected	1872.8	Detected	2399	Detected	1816.2	Detected	Btb9	0.738893409	0.97599675	0.96977787	1.2809697
A_52_P3525	146755.3	Detected	125025.9	Detected	129015.4	Detected	108413.9	Detected	1700073E17Rik	0.738739248	0.87911919	0.86713153	1.0319094
A_52_P4567	973.6	Detected	905.6	Detected	915.1	Detected	719.2	Detected	Aph1b	0.738701726	0.93991372	0.79416961	1.0104903
A_55_P2462	830.7	Detected	494.5	Detected	571.5	Detected	613.6	Detected	Taf1	0.738654147	0.687974	1.24084934	1.1557128
A_55_P2078	475.9	Detected	1397	Detected	802.9	Detected	351.4	Detected	Cbs	0.738390418	1.68711914	0.25153901	0.5747316
A_55_P2016	15010	Detected	9769	Detected	11419.2	Detected	11082.8	Detected	LOC101056451	0.738361093	0.76077282	1.13448664	1.1689221
A_55_P1997	1337.7	Detected	657.8	Detected	1016.9	Detected	987.6	Detected	Tfeb	0.738282126	0.76018539	1.5013682	1.5459106
A_52_P4631	1970.3	Detected	1723.1	Detected	1721.4	Detected	1454.4	Detected	Asap1	0.738161701	0.87367406	0.84406012	0.9990134
A_55_P1953	75426.5	Detected	76691.9	Detected	72015.5	Detected	55673.4	Detected	Mcm3	0.738114588	0.95477717	0.72593586	0.9390235
A_66_P1108	1754.5	Detected	1318.6	Detected	1569.4	Detected	1295	Detected	Mterfd1	0.738102023	0.89449986	0.98210223	1.1902017
A_51_P4673	96.6	Detected	33.1	Detected	78.9	Detected	71.3	Detected	Muc1	0.738095238	0.81677019	2.15407855	2.3836858
A_65_P0542	16.8	Detected	12.5	Not Detect	7.4	Not Detect	12.4	Not Detect	Vezt	0.738095238	0.44047619	0.992	0.592
A_52_P1750	30189.6	Detected	20651.2	Detected	28502.2	Detected	22280.7	Detected	Cd2ap	0.738025678	0.94410658	1.07890583	1.3801716
A_55_P2090	207467.7	Detected	163829	Detected	160734.4	Detected	153102.9	Detected	Plp2	0.737960174	0.77474421	0.93452869	0.9811108
A_55_P1970	264.4	Detected	43.1	Detected	1083.5	Detected	195.1	Detected	Pilrb2	0.737897126	4.09795764	4.52668213	25.139211
A_55_P2000	34767.6	Detected	25973	Detected	28059.8	Detected	25654.3	Detected	Rbm39	0.73787952	0.8070675	0.98772957	1.080345
A_55_P1995	1611.4	Detected	634.7	Detected	2133.8	Detected	1189	Detected	Aqp11	0.737867693	1.32419015	1.87332598	3.3619033
A_55_P2133	30.9	Detected	7.4	Not Detect	6.8	Not Detect	22.8	Not Detect	Gm4951	0.737864078	0.22006472	3.08108108	0.9189189
A_55_P2143	20.6	Detected	14.7	Not Detect	19.1	Detected	15.2	Not Detect	2610018G03Rik	0.737864078	0.92718447	1.03401361	1.2993197
A_55_P1991	750.3	Detected	677.4	Detected	758.6	Detected	553.6	Detected	9930021J03Rik	0.737838198	1.01106224	0.8172424	1.1198701
A_55_P2106	114	Detected	67.7	Detected	113.7	Detected	84.1	Detected	Wfikkn1	0.737719298	0.99736842	1.2422452	1.6794682
A_55_P2066	3800.1	Detected	2143.3	Detected	3021.1	Detected	2802.8	Detected	Crtc3	0.737559538	0.79500539	1.30770307	1.4095554
A_52_P4518	1466.1	Detected	1323.7	Detected	1124.3	Detected	1081.3	Detected	Tlk2	0.737534957	0.76686447	0.81687694	0.8493616
A_55_P1998	5967.7	Detected	2286.8	Detected	6131.4	Detected	4401.3	Detected	Adck4	0.737520318	1.027431	1.92465454	2.6812139
A_51_P3821	7519.7	Detected	5619.7	Detected	6905.6	Detected	5545.9	Detected	Ormdl1	0.737516124	0.91833451	0.98686763	1.22882
A_55_P2055	5529.7	Detected	4292.6	Detected	4256.2	Detected	4078	Detected	Dvl2	0.737472196	0.76969818	0.95000699	0.9915203
A_55_P2126	77.7	Detected	48.7	Detected	96.7	Detected	57.3	Detected	Zfp53	0.737451737	1.24453024	1.17659138	1.9856263
A_52_P1919	9364.9	Detected	7379.4	Detected	11542.9	Detected	6905.7	Detected	Rtn3	0.737402428	1.23257056	0.93580779	1.5642058
A_51_P4751	19.8	Detected	16	Not Detect	13.2	Not Detect	14.6	Not Detect	Duox1	0.737373737	0.66666667	0.9125	0.825
A_52_P4622	1057.9	Detected	653.8	Detected	731.8	Detected	780	Detected	Dclre1c	0.737309765	0.6917478	1.19302539	1.1193025

A_52_P1603	23.6 Detected	13.6 Not Detect	12.9 Not Detect	17.4 Not Detect	2410137M14Rik	0.737288136	0.54661017	1.27941176	0.9485294
A_51_P1247	2566.5 Detected	1999.4 Detected	2239.1 Detected	1892.1 Detected	Ccdc93	0.73722969	0.87243327	0.9463339	1.119886
A_55_P1999	2690 Detected	2138.7 Detected	2568.5 Detected	1982.9 Detected	Zmynd19	0.737137546	0.95483271	0.92715201	1.2009632
A_51_P4459	539.6 Detected	227.7 Detected	552 Detected	397.7 Detected	2310047K21Rik	0.737027428	1.02297999	1.7465964	2.4242424
A_52_P3292	685.9 Detected	538.7 Detected	499.6 Detected	505.5 Detected	Chd1	0.736987899	0.72838606	0.93837015	0.9274179
A_55_P2056	1557.1 Detected	1273.3 Detected	1269.4 Detected	1147.4 Detected	Gcgr	0.736882666	0.81523345	0.90112307	0.9969371
A_55_P2115	38 Detected	28.5 Detected	43.1 Detected	28 Not Detect	Slc20a1	0.736842105	1.13421053	0.98245614	1.5122807
A_55_P2072	11.4 Not Detect	17.9 Detected	12.8 Not Detect	8.4 Not Detect	F8	0.736842105	1.12280702	0.46927374	0.7150838
A_51_P4056	8587.6 Detected	6230.7 Detected	7618.6 Detected	6326.9 Detected		0.736748335	0.88716289	1.01543968	1.2227519
A_66_P1067	2946.1 Detected	2720.7 Detected	2416.6 Detected	2170.5 Detected	Akap8	0.736736703	0.82027087	0.79777263	0.8882273
A_55_P2168	26.2 Detected	34.1 Detected	17.6 Detected	19.3 Not Detect	Adam5	0.736641221	0.67175573	0.5659824	0.516129
A_52_P4949	549.8 Detected	543 Detected	305.9 Detected	405 Detected	Dhx40	0.736631502	0.55638414	0.74585635	0.5633517
A_55_P2029	3416.6 Detected	2722.9 Detected	2749.6 Detected	2516.7 Detected	Dhx35	0.736609495	0.80477668	0.92427192	1.0098057
A_51_P4331	10922.1 Detected	6643.3 Detected	12544.6 Detected	8043.6 Detected	Rdm1	0.736451781	1.14855202	1.2107838	1.8883085
A_55_P2092	1304.8 Detected	857 Detected	1114.6 Detected	960.9 Detected	Ddb2	0.736434703	0.85423053	1.12123687	1.3005834
A_55_P2139	909.4 Detected	693.7 Detected	770.7 Detected	669.7 Detected	Sft2d1	0.736419617	0.84748186	0.96540291	1.110999
A_66_P1346	968.9 Detected	572.2 Detected	806 Detected	713.5 Detected	Spin1	0.736402105	0.83187119	1.24694163	1.4085984
A_55_P2075	919.5 Detected	850.7 Detected	196.2 Detected	676.9 Detected	Clstn1	0.736160957	0.21337684	0.79569766	0.2306336
A_52_P1646	670.1 Detected	383.2 Detected	627 Detected	493.3 Detected	Nsun6	0.736158782	0.93568124	1.28731733	1.6362213
A_55_P1980	6885.9 Detected	7644.8 Detected	7102.1 Detected	5069 Detected	Pcbp2	0.736141971	1.03139749	0.66306509	0.9290106
A_55_P2161	516.4 Detected	328.8 Detected	300.4 Detected	380.1 Detected	Wdfy3	0.73605732	0.5817196	1.1560219	0.9136253
A_66_P1350	25 Detected	23.4 Detected	24.7 Detected	18.4 Not Detect	Nudt15	0.736	0.988	0.78632479	1.0555556
A_55_P2008	319.7 Detected	295.4 Detected	233.6 Detected	235.2 Detected	Cd300a	0.735689709	0.73068502	0.79620853	0.7907921
A_51_P4526	22.7 Detected	20 Detected	17.3 Detected	16.7 Not Detect	Ssc5d	0.735682819	0.76211454	0.835	0.865
A_52_P1738	1001.9 Detected	760.3 Detected	805.9 Detected	737 Detected	Cep104	0.735602356	0.80437169	0.9693542	1.0599763
A_51_P1634	272.3 Detected	228.6 Detected	238.1 Detected	200.3 Detected	5430403G16Rik	0.735585751	0.87440323	0.87620297	1.0415573
A_55_P1971	12.1 Not Detect	3.1 Not Detect	16.1 Detected	8.9 Not Detect	Muc15	0.73553719	1.33057851	2.87096774	5.1935484
A_55_P2112	12.1 Not Detect	17.5 Detected	11.2 Not Detect	8.9 Not Detect	4930432E11Rik	0.73553719	0.92561983	0.50857143	0.64
A_52_P5560	3471.6 Detected	2107 Detected	2949.4 Detected	2553.4 Detected	Oip5	0.735511004	0.84957944	1.21186521	1.3998102
A_55_P2007	18.5 Detected	16.1 Not Detect	15.3 Not Detect	13.6 Not Detect	Cyp2a4	0.735135135	0.82702703	0.8447205	0.9503106
A_51_P4501	70672.4 Detected	49713 Detected	58877.9 Detected	51945.6 Detected	1110008F13Rik	0.735019612	0.83311024	1.04490978	1.1843562
A_51_P2487	16147.3 Detected	12877.2 Detected	12867.1 Detected	11868.4 Detected	Cse1l	0.73500833	0.79685768	0.92165999	0.9992157
A_55_P1968	1724.5 Detected	1135.5 Detected	1568.4 Detected	1267.5 Detected	Pcgf2	0.734995651	0.90948101	1.11624835	1.3812417
A_55_P2336	64.9 Detected	65.3 Detected	47.4 Detected	47.7 Detected	E030042N06Rik	0.734976888	0.73035439	0.73047473	0.7258806
A_51_P4211	150101.6 Detected	115483.7 Detected	126222.7 Detected	110317.7 Detected	Tubb6	0.734953525	0.84091509	0.95526641	1.0929915
A_55_P2135	26.4 Detected	18 Not Detect	17.7 Not Detect	19.4 Not Detect	Zfp526	0.734848485	0.67045455	1.07777778	0.9833333
A_51_P5154	15633.2 Detected	10555.5 Detected	14784.9 Detected	11484.1 Detected	Rbm17	0.734596884	0.94573728	1.08797309	1.4006821
A_55_P2167	228.3 Detected	189.6 Detected	130.7 Detected	167.7 Detected	BC030336	0.73455979	0.57249233	0.88449367	0.689346
A_55_P2103	2074.2 Detected	1246.9 Detected	1393.3 Detected	1523.2 Detected	Arhgap11a	0.734355414	0.67172886	1.22158954	1.1174112
A_52_P7405	120939.4 Detected	102549.1 Detected	119230 Detected	88793.8 Detected	Rps21	0.734200765	0.98586565	0.8658662	1.1626626

A_51_P5029	556	Detected	455	Detected	396.9	Detected	408.2	Detected	Stxbp4	0.734172662	0.71384892	0.89714286	0.8723077
A_51_P2136	1707.1	Detected	828	Detected	1690.7	Detected	1253.3	Detected	Scnn1a	0.734169059	0.99039306	1.51364734	2.0419082
A_55_P2082	4202.4	Detected	2173.8	Detected	2566.7	Detected	3085.2	Detected	Rab11fip3	0.734151913	0.61077004	1.4192658	1.1807434
A_55_P1985	95113.3	Detected	73031.5	Detected	108930.7	Detected	69825.9	Detected	Tomm6	0.734133922	1.14527306	0.95610661	1.4915578
A_55_P2070	25.2	Detected	27.5	Detected	30.6	Detected	18.5	Not Detect	Gm10413	0.734126984	1.21428571	0.67272727	1.1127273
A_55_P1953	11764.7	Detected	9830.6	Detected	9874.1	Detected	8636.7	Detected	Top1	0.734119867	0.83929892	0.87855268	1.004425
A_55_P2094	4501.3	Detected	2883.7	Detected	4095.3	Detected	3304.2	Detected	Gm7931	0.734054606	0.90980383	1.14581961	1.4201547
A_55_P2081	124526.2	Detected	90781.8	Detected	102474.1	Detected	91403.7	Detected	Gnas	0.734011798	0.82291197	1.00685049	1.1287956
A_55_P2330	121	Detected	68.9	Detected	159.6	Detected	88.8	Detected	C79130	0.733884298	1.31900826	1.28882438	2.3164006
A_55_P1981	1083.8	Detected	1182.2	Detected	887.5	Detected	795.3	Detected	Gemin8	0.733806975	0.81887802	0.67272881	0.750719
A_66_P1077	145317.6	Detected	122891.2	Detected	128114.1	Detected	106633.6	Detected	Myl12a	0.73379687	0.88161448	0.86770737	1.0425002
A_55_P2004	4055.9	Detected	2714.6	Detected	2310.8	Detected	2976.2	Detected	Micall2	0.733795212	0.56973791	1.09636779	0.8512488
A_55_P2005	15.4	Detected	6.7	Not Detect	11.1	Not Detect	11.3	Not Detect	Olfrc392	0.733766234	0.72077922	1.68656716	1.6567164
A_55_P2078	40647.5	Detected	25585.1	Detected	41552.8	Detected	29824.9	Detected	Uck1	0.733745003	1.02227197	1.16571364	1.6241015
A_51_P1917	67.2	Detected	53.8	Detected	41	Detected	49.3	Detected	Olfml3	0.733630952	0.61011905	0.91635688	0.7620818
A_55_P1963	2711.7	Detected	1676.5	Detected	2157.7	Detected	1989.2	Detected	Vps18	0.733561972	0.79570011	1.18651953	1.2870265
A_52_P1012	1271.8	Detected	982.4	Detected	959.5	Detected	932.7	Detected	B230354K17Rik	0.733370027	0.75444252	0.94940961	0.9766897
A_66_P1247	371.3	Detected	352.8	Detected	244.8	Detected	272.3	Detected	Rnf19b	0.733369243	0.65930514	0.7718254	0.6938776
A_55_P2024	28510.3	Detected	25796.2	Detected	28755.3	Detected	20906.9	Detected	Ctnnbl1	0.733310418	1.00859339	0.81046433	1.1147107
A_51_P2288	32.6	Detected	38	Detected	34.1	Detected	23.9	Not Detect	Pkd2l2	0.733128834	1.04601227	0.62894737	0.8973684
A_55_P2073	22.1	Detected	38.6	Detected	13.1	Not Detect	16.2	Not Detect	Padi4	0.733031674	0.59276018	0.41968912	0.3393782
A_55_P2171	1141.2	Detected	906.8	Detected	705.9	Detected	836.5	Detected	Mier3	0.733000351	0.61855941	0.92247464	0.7784517
A_52_P5101	150.9	Detected	137.7	Detected	136.5	Detected	110.6	Detected	Pgm2l1	0.732935719	0.90457256	0.80319535	0.9912854
A_52_P3332	32.2	Detected	32.4	Detected	35.1	Detected	23.6	Not Detect	Adam33	0.732919255	1.09006211	0.72839506	1.0833333
A_51_P3458	2676	Detected	1880.5	Detected	2372.1	Detected	1961.1	Detected	Prkra	0.732847534	0.88643498	1.04286094	1.2614198
A_55_P2112	13.1	Not Detect	10.7	Not Detect	55.2	Detected	9.6	Not Detect	Habp2	0.732824427	4.21374046	0.89719626	5.1588785
A_51_P4034	11.6	Not Detect	21.7	Detected	3	Not Detect	8.5	Not Detect	Pcdhb6	0.732758621	0.25862069	0.39170507	0.1382488
A_55_P2062	1671.1	Detected	1260.3	Detected	1177.6	Detected	1224.4	Detected	Gm5595	0.732691042	0.70468554	0.97151472	0.9343807
A_55_P2454	212.1	Detected	188.7	Detected	164.1	Detected	155.4	Detected	Alms1	0.732673267	0.77369165	0.82352941	0.8696343
A_55_P1996	4474.8	Detected	2916.2	Detected	3271.9	Detected	3278.5	Detected	Ttc17	0.732658443	0.73118352	1.12423702	1.1219738
A_55_P1962	1973.4	Detected	1904.5	Detected	1649.9	Detected	1445.8	Detected	Kpna3	0.732644167	0.83606973	0.75914938	0.8663166
A_55_P1975	10942.4	Detected	9409.1	Detected	8430.7	Detected	8016.2	Detected	8430419L09Rik	0.732581518	0.77046169	0.85196246	0.8960156
A_55_P2258	412.8	Detected	249.7	Detected	229.5	Detected	302.4	Detected	D930043N17Rik	0.73255814	0.5559593	1.21105326	0.9191029
A_52_P6465	38.5	Detected	34.9	Detected	27.6	Detected	28.2	Not Detect	Olfrc128	0.732467532	0.71688312	0.80802292	0.7908309
A_55_P2151	10131.8	Detected	7318	Detected	8351	Detected	7420.9	Detected	C330007P06Rik	0.732436487	0.82423656	1.01406122	1.1411588
A_52_P5741	89206.8	Detected	77443	Detected	72129.8	Detected	65335.3	Detected	Psmd12	0.732402687	0.80856841	0.84365662	0.9313921
A_51_P2101	1636.4	Detected	1035.7	Detected	922.1	Detected	1198.5	Detected	Syne2	0.732400391	0.56349303	1.15718838	0.8903157
A_55_P2275	14.2	Detected	11.2	Not Detect	19.2	Detected	10.4	Not Detect	9530034A14Rik	0.732394366	1.35211268	0.92857143	1.7142857
A_51_P3863	4977.2	Detected	3736.1	Detected	3472.6	Detected	3645	Detected	Mtmr10	0.732339468	0.69770152	0.97561628	0.9294719
A_51_P4868	69.1	Detected	66	Detected	57.1	Detected	50.6	Not Detect	Gpx2	0.732272069	0.82633864	0.76666667	0.8651515

A_55_P2011	2210.2 Detected	1514.3 Detected	1676 Detected	1618.4 Detected	Armc10	0.732241426	0.75830242	1.06874463	1.106782
A_55_P2154	137.4 Detected	85.7 Detected	116.1 Detected	100.6 Detected	Lcmt2	0.73216885	0.84497817	1.17386231	1.3547258
A_55_P2066	32.1 Detected	29.5 Detected	21.5 Detected	23.5 Not Detect	Gm3455	0.732087227	0.66978193	0.79661017	0.7288136
A_55_P2066	5540.9 Detected	4358.4 Detected	4851 Detected	4056.3 Detected	Gabpb1	0.732065188	0.87548954	0.93068557	1.1130231
A_55_P2157	344.7 Detected	247.5 Detected	219.9 Detected	252.3 Detected	Abr	0.731940818	0.63794604	1.01939394	0.8884848
A_55_P2000	3939.1 Detected	3683.3 Detected	3429.9 Detected	2883 Detected	Peli1	0.731893072	0.87073189	0.78272202	0.931203
A_52_P1408	281.2 Detected	544.2 Detected	291 Detected	205.8 Detected	Slc26a10	0.731863442	1.03485064	0.37816979	0.5347299
A_52_P6467	30.9 Detected	22.7 Detected	19.1 Detected	22.6 Not Detect	Fbxl22	0.731391586	0.61812298	0.99559471	0.8414097
A_55_P1957	4431.6 Detected	3234.9 Detected	4237.5 Detected	3241.1 Detected	Hn11	0.731361134	0.95620092	1.0019166	1.3099323
A_55_P2052	3090.5 Detected	2065.6 Detected	1887 Detected	2259.9 Detected	A830080D01Rik	0.7312409	0.61058081	1.09406468	0.913536
A_55_P2084	6582.4 Detected	4928.4 Detected	3915.5 Detected	4812.4 Detected	Ssbp3	0.731101118	0.59484383	0.97646295	0.7944769
A_55_P2136	11.9 Not Detect	22.7 Detected	16.5 Detected	8.7 Not Detect	Tsfm	0.731092437	1.38655462	0.38325991	0.7268722
A_55_P2067	14.5 Detected	14.3 Not Detect	14.2 Not Detect	10.6 Not Detect	Prss54	0.731034483	0.97931034	0.74125874	0.993007
A_55_P2104	512.7 Detected	335.8 Detected	473.8 Detected	374.8 Detected	Nphp1	0.731031792	0.92412717	1.11614056	1.4109589
A_55_P2112	7255.3 Detected	7093.4 Detected	5900.7 Detected	5303.7 Detected	Sipa111	0.731010434	0.81329511	0.74769504	0.8318578
A_55_P2060	976.2 Detected	482.3 Detected	621.8 Detected	713.6 Detected	Itpril2	0.730997746	0.63695964	1.47957703	1.2892391
A_66_P1254	11140.7 Detected	13720.9 Detected	12725.6 Detected	8142.5 Detected	Rpl30	0.73087867	1.14226216	0.59343775	0.927461
A_55_P2098	31503.7 Detected	21531.4 Detected	26201.1 Detected	23021.1 Detected	Snrnp200	0.730742738	0.83168326	1.06918733	1.2168786
A_52_P1067	8662.3 Detected	5740.6 Detected	7944.3 Detected	6329.8 Detected	Rbm18	0.730729714	0.91711208	1.10263735	1.3838797
A_55_P1955	14.1 Not Detect	27.6 Detected	13.8 Not Detect	10.3 Not Detect	Crxos1	0.730496454	0.9787234	0.37318841	0.5
A_55_P2007	45.6 Detected	59.9 Detected	32.9 Detected	33.3 Not Detect	Cldn20	0.730263158	0.72149123	0.55592654	0.5492487
A_51_P2685	1904.1 Detected	1594.2 Detected	1642.3 Detected	1390.4 Detected	Csad	0.730213749	0.86250722	0.87216159	1.0301719
A_65_P2069	2940.4 Detected	2330.1 Detected	2406.2 Detected	2146.9 Detected	Tlk2	0.730138757	0.81832404	0.92137676	1.0326595
A_52_P6226	445.8 Detected	300.9 Detected	384.9 Detected	325.4 Detected	Adal	0.729923733	0.86339166	1.0814224	1.2791625
A_51_P3418	1722 Detected	1293 Detected	2337.3 Detected	1256.9 Detected	Nth1	0.729907085	1.35731707	0.97208043	1.8076566
A_55_P2277	49.6 Detected	48.9 Detected	43.9 Detected	36.2 Not Detect	4933407O12Rik	0.72983871	0.88508065	0.7402863	0.8977505
A_55_P2076	5361.3 Detected	5074.2 Detected	5599.7 Detected	3912.7 Detected	Nuf2	0.729804338	1.04446683	0.77109692	1.1035631
A_55_P2049	6679.5 Detected	4936.8 Detected	8111.2 Detected	4873.8 Detected	Apbb3	0.729665394	1.21434239	0.9872387	1.6430076
A_55_P2112	72.5 Detected	47.2 Detected	39.9 Detected	52.9 Detected	Ccdc13	0.729655172	0.55034483	1.12076271	0.845339
A_52_P2454	1224.1 Detected	669.1 Detected	1135.4 Detected	893 Detected	AW554918	0.729515562	0.9275386	1.33462861	1.6969063
A_55_P2058	24.4 Detected	17.8 Detected	121.6 Detected	17.8 Not Detect	Gm10817	0.729508197	4.98360656	1	6.8314607
A_55_P2335	1696.6 Detected	1352.7 Detected	1805.5 Detected	1237.5 Detected	Ndor1	0.729399976	1.0641872	0.91483699	1.3347379
A_55_P1986	72.8 Detected	64.6 Detected	72.3 Detected	53.1 Detected	Gm4956	0.729395604	0.99313187	0.82198142	1.119195
A_55_P2091	633.7 Detected	475.2 Detected	424.3 Detected	462.2 Detected	Thoc2	0.729367208	0.66955973	0.9726431	0.8928872
A_52_P5538	964.2 Detected	523.4 Detected	1790.9 Detected	703.2 Detected	Itgb3	0.729309272	1.85739473	1.34352312	3.421666
A_55_P2129	1863.8 Detected	568.1 Detected	1125.3 Detected	1358.9 Detected	Smad6	0.729101835	0.6037665	2.39200845	1.9808132
A_52_P3724	110.7 Detected	77.1 Detected	84.4 Detected	80.7 Detected	Gm5665	0.72899729	0.76242096	1.04669261	1.0946822
A_55_P2066	941 Detected	556.3 Detected	750.6 Detected	685.9 Detected	Crtc3	0.72890542	0.79766206	1.23296782	1.349272
A_55_P1983	8444.1 Detected	4042.1 Detected	9212.3 Detected	6154.1 Detected	Gramd4	0.728804728	1.09097476	1.52250068	2.2790876
A_55_P2028	7382.1 Detected	4460.7 Detected	6539.7 Detected	5379.4 Detected	Hmgn2	0.728708633	0.88588613	1.20595422	1.4660703

A_55_P2042	51094.7	Detected	29526.8	Detected	42440.9	Detected	37228.3	Detected	Hsd17b10	0.728613731	0.83063214	1.26083084	1.4373688
A_55_P2085	696.1	Detected	520	Detected	521.4	Detected	507.1	Detected	5530601H04Rik	0.728487286	0.74903031	0.97519231	1.0026923
A_51_P4359	2811.3	Detected	1895	Detected	2445	Detected	2047.9	Detected	Tnfaip8	0.728453029	0.86970441	1.08068602	1.2902375
A_51_P1010	17.3	Detected	21.4	Detected	46.7	Detected	12.6	Not Detect	Ak8	0.728323699	2.69942197	0.58878505	2.182243
A_55_P2432	2306	Detected	1593.9	Detected	1700	Detected	1679.5	Detected	Prr14l	0.728317433	0.73720729	1.05370475	1.0665663
A_55_P2131	20676.7	Detected	16835.8	Detected	17685.3	Detected	15056.6	Detected	Arfrp1	0.728191636	0.85532508	0.89432044	1.050458
A_55_P2059	19991.2	Detected	14932.7	Detected	16725.8	Detected	14556.6	Detected	Slc48a1	0.728150386	0.83665813	0.97481366	1.1200788
A_51_P5007	2127.4	Detected	1389.6	Detected	1915.7	Detected	1548.8	Detected	Dck	0.728024819	0.90048886	1.11456534	1.3785982
A_51_P3707	1029.8	Detected	861.9	Detected	851.9	Detected	749.7	Detected	Polh	0.728005438	0.82724801	0.86982249	0.9883977
A_55_P1988	238.2	Detected	196.6	Detected	164.3	Detected	173.4	Detected	Map3k14	0.727959698	0.68975651	0.8819939	0.835707
A_55_P2031	717.5	Detected	720.8	Detected	629.7	Detected	522.3	Detected	Uxs1	0.727944251	0.87763066	0.72461154	0.8736127
A_51_P4489	11708.9	Detected	10224	Detected	6858.8	Detected	8521.2	Detected	Sertad2	0.727754102	0.58577663	0.8334507	0.6708529
A_52_P4860	6905.1	Detected	5475.8	Detected	7915.3	Detected	5024.9	Detected	Coq4	0.727708505	1.14629766	0.91765587	1.4455057
A_55_P2157	7353.9	Detected	5757.6	Detected	7561.5	Detected	5351.4	Detected	Ndufaf1	0.727695509	1.02822992	0.92944977	1.3133076
A_52_P4554	39218.9	Detected	27224.6	Detected	32352.5	Detected	28539.4	Detected	Itpa	0.727695065	0.82492115	1.04829456	1.1883554
A_51_P1448	9129.1	Detected	5010.3	Detected	7519.2	Detected	6643	Detected	Mboat7	0.727673046	0.82365184	1.32586871	1.5007485
A_55_P1975	6383.1	Detected	5108	Detected	6109.3	Detected	4644.8	Detected	Tor1aip1	0.727671508	0.95710548	0.90931872	1.1960258
A_55_P2068	221	Detected	151.2	Detected	159.4	Detected	160.8	Detected	Gm19924	0.72760181	0.72126697	1.06349206	1.0542328
A_51_P4744	12939.6	Detected	12956.8	Detected	12775.3	Detected	9414.5	Detected	Rnaseh2b	0.727572722	0.98730254	0.72660688	0.9859919
A_51_P2490	51401.8	Detected	44750.1	Detected	48248.1	Detected	37397.3	Detected	Pycr2	0.727548452	0.93864612	0.83569199	1.0781674
A_51_P3975	3761.7	Detected	3119.1	Detected	3453.4	Detected	2736.1	Detected	Mtrf1l	0.727357312	0.91804237	0.87720817	1.1071784
A_55_P1999	167.1	Detected	117.3	Detected	84	Detected	121.5	Detected	Usp27x	0.727109515	0.502693	1.03580563	0.7161125
A_52_P5772	67.4	Detected	74.6	Detected	45.8	Detected	49	Detected	Scfd2	0.727002967	0.67952522	0.65683646	0.613941
A_55_P2039	536.9	Detected	343	Detected	249.9	Detected	390.3	Detected	Fam219a	0.726951015	0.4654498	1.13790087	0.7285714
A_52_P6699	3791.1	Detected	2747	Detected	2681.1	Detected	2755.6	Detected	Cchcr1	0.726860278	0.70720899	1.00313069	0.9760102
A_55_P1963	95.9	Detected	88.4	Detected	112	Detected	69.7	Detected	Lrrc16a	0.726798749	1.16788321	0.78846154	1.2669683
A_55_P2120	51.6	Detected	4.7	Not Detect	3.5	Not Detect	37.5	Not Detect	Olfir874	0.726744186	0.06782946	7.9787234	0.7446809
A_55_P2042	5961.5	Detected	4133.4	Detected	3243.5	Detected	4332.1	Detected	Mpl	0.726679527	0.54407448	1.04807181	0.7847051
A_55_P1972	466.1	Detected	518.7	Detected	224	Detected	338.7	Detected	Gsg1	0.726668097	0.48058357	0.6529786	0.4318489
A_51_P1048	58045	Detected	31276.4	Detected	47457.9	Detected	42177.8	Detected	Itp3	0.726639676	0.81760531	1.34855034	1.5173709
A_55_P2078	5392.4	Detected	4380.4	Detected	4885.5	Detected	3918.3	Detected	Qk	0.726633781	0.90599733	0.89450735	1.1153091
A_51_P2333	31177.4	Detected	19894.3	Detected	26656.7	Detected	22651.3	Detected	Ppp2r5d	0.726529473	0.85500074	1.13858241	1.3399165
A_55_P2164	155.4	Detected	134.4	Detected	266.1	Detected	112.9	Detected	Gm11744	0.726512227	1.71235521	0.84002976	1.9799107
A_55_P2136	707	Detected	710.1	Detected	824.3	Detected	513.4	Detected	8030462N17Rik	0.726166902	1.16591231	0.72299676	1.1608224
A_55_P2357	24.8	Detected	26.5	Detected	24.8	Detected	18	Not Detect	5330430P22Rik	0.725806452	1	0.67924528	0.9358491
A_52_P6646	1360.9	Detected	1121.2	Detected	1270	Detected	987.7	Detected	Zfp472	0.725769711	0.93320597	0.88093115	1.1327149
A_52_P4325	9366.3	Detected	5203.5	Detected	4993.8	Detected	6797.6	Detected	Arid5b	0.72575083	0.53316678	1.30635149	0.9597002
A_55_P2050	9052.4	Detected	7228.1	Detected	7142.8	Detected	6569.4	Detected	D11Wsu47e	0.7257081	0.78905042	0.90886955	0.9881988
A_55_P1982	1857	Detected	1507.2	Detected	1393.9	Detected	1347.2	Detected	1810043G02Rik	0.72547119	0.75061928	0.89384289	0.9248275
A_66_P1060	613.4	Detected	396.6	Detected	654.3	Detected	445	Detected	Ttc3	0.725464623	1.06667754	1.12203732	1.6497731

A_66_P1145	59 Detected	49.1 Detected	45.9 Detected	42.8 Detected	Mta3	0.725423729	0.7779661	0.87169043	0.9348269
A_51_P1711	14.2 Detected	13.1 Not Detect	24.8 Detected	10.3 Not Detect	Smco2	0.725352113	1.74647887	0.78625954	1.8931298
A_55_P2302	36225.2 Detected	35838 Detected	37150.1 Detected	26275.4 Detected	Tarbp2	0.72533485	1.02553195	0.73317149	1.036612
A_51_P1153	73.9 Detected	63.4 Detected	73 Detected	53.6 Detected	Pot1b	0.725304465	0.98782138	0.84542587	1.1514196
A_55_P2116	346.9 Detected	301.8 Detected	243.3 Detected	251.6 Detected	Caprin1	0.725281061	0.70135486	0.83366468	0.806163
A_51_P2637	36.4 Detected	30.8 Detected	14.3 Not Detect	26.4 Not Detect	Fbxo48	0.725274725	0.39285714	0.85714286	0.4642857
A_55_P2076	4148.2 Detected	2812.3 Detected	3518.1 Detected	3008.5 Detected	Immpl1	0.725254327	0.84810279	1.06976496	1.250969
A_55_P2050	13.1 Not Detect	20 Detected	12.9 Not Detect	9.5 Not Detect	Gm10457	0.72519084	0.98473282	0.475	0.645
A_55_P1970	93.5 Detected	129.1 Detected	88.1 Detected	67.8 Detected	Gm10696	0.72513369	0.94224599	0.52517428	0.6824167
A_55_P1958	20 Detected	14.8 Not Detect	15.6 Not Detect	14.5 Not Detect	Ar	0.725	0.78	0.97972973	1.0540541
A_52_P6728	361.4 Detected	199.1 Detected	312.2 Detected	262 Detected	Ctsa	0.724958495	0.86386276	1.31592165	1.5680563
A_55_P2227	194.5 Detected	91.5 Detected	75.4 Detected	141 Detected	A130072N09Rik	0.724935733	0.38766067	1.54098361	0.8240437
A_52_P4981	508.4 Detected	430.6 Detected	544.6 Detected	368.5 Detected	Ccdc94	0.724822974	1.07120378	0.85578263	1.2647469
A_66_P1348	8426.1 Detected	6954.2 Detected	6827.4 Detected	6106.2 Detected	D11Wsu47e	0.724676897	0.8102681	0.8780593	0.9817664
A_51_P2592	18081.5 Detected	14791.2 Detected	11569.8 Detected	13103.1 Detected	Slc39a6	0.72466886	0.63986948	0.88587133	0.7822083
A_52_P5655	30.5 Detected	38.9 Detected	18.8 Detected	22.1 Not Detect	Arhgap20	0.724590164	0.61639344	0.56812339	0.4832905
A_55_P2001	680 Detected	458.8 Detected	511.5 Detected	492.7 Detected	2210404O09Rik	0.724558824	0.75220588	1.0738884	1.1148649
A_55_P2074	89640.3 Detected	64455.4 Detected	76973.4 Detected	64936.6 Detected	Gtf2f1	0.724413015	0.85869191	1.00746563	1.1942118
A_55_P2000	5501.7 Detected	4702.6 Detected	3888.9 Detected	3985 Detected	Terf1	0.724321573	0.70685425	0.84740356	0.8269681
A_51_P3693	2780.2 Detected	1657 Detected	2081.9 Detected	2013.6 Detected	Ubttd1	0.724264441	0.74883102	1.21520821	1.2564273
A_52_P3158	518.9 Detected	308.1 Detected	312.7 Detected	375.8 Detected	Zfp934	0.724224321	0.60262093	1.21973385	1.0149302
A_51_P4879	23396.7 Detected	18294.9 Detected	24466.2 Detected	16943.9 Detected	Sgol1	0.724200421	1.04571157	0.92615428	1.3373235
A_51_P5185	461.9 Detected	349.2 Detected	304.8 Detected	334.5 Detected	Atxn7	0.724182724	0.65988309	0.95790378	0.8728522
A_55_P2073	1324.2 Detected	964.5 Detected	879 Detected	958.9 Detected	Bbs5	0.724135327	0.66379701	0.99419388	0.911353
A_52_P2623	48.2 Detected	47.4 Detected	34 Detected	34.9 Not Detect	4931406H21Rik	0.72406639	0.70539419	0.73628692	0.7172996
A_55_P2178	253.9 Detected	160.8 Detected	251.1 Detected	183.8 Detected	Rbbp9	0.72390705	0.98897204	1.14303483	1.5615672
A_51_P1812	5430.1 Detected	4565.8 Detected	4728.6 Detected	3930.8 Detected	Smurf1	0.723890904	0.87081269	0.86092251	1.0356564
A_55_P2068	4750.2 Detected	3922.4 Detected	3565.9 Detected	3438.1 Detected	Gm9222	0.723780051	0.75068418	0.87652968	0.9091118
A_55_P1997	18.1 Detected	13.4 Not Detect	12.3 Not Detect	13.1 Not Detect	Klri1	0.723756906	0.67955801	0.97761194	0.9179104
A_55_P2096	93 Detected	58.5 Detected	55 Detected	67.3 Detected	AW554918	0.723655914	0.59139785	1.15042735	0.9401709
A_51_P4547	131.7 Detected	104.8 Detected	91.5 Detected	95.3 Detected	Tbc1d2	0.723614275	0.69476082	0.90935115	0.8730916
A_55_P2041	12.3 Not Detect	7.2 Not Detect	36.3 Detected	8.9 Not Detect	4930503E14Rik	0.723577236	2.95121951	1.23611111	5.0416667
A_66_P1133	12.3 Not Detect	16.7 Detected	17.5 Detected	8.9 Not Detect	5430427G11Rik	0.723577236	1.42276423	0.53293413	1.0479042
A_55_P2403	12.3 Not Detect	35.3 Detected	3.2 Not Detect	8.9 Not Detect	Fam26d	0.723577236	0.2601626	0.25212465	0.0906516
A_55_P2063	9360.9 Detected	6878.7 Detected	7601.6 Detected	6773.3 Detected	Slmo2	0.723573588	0.81205867	0.98467734	1.1050925
A_55_P1967	3104.7 Detected	2158.7 Detected	3310 Detected	2246 Detected	Kctd10	0.723419332	1.06612555	1.04044101	1.5333302
A_55_P2183	2287.5 Detected	1552.5 Detected	1738.3 Detected	1654.7 Detected	Runx1	0.72336612	0.75991257	1.06582931	1.1196779
A_55_P2185	497.7 Detected	331 Detected	371.2 Detected	360 Detected	Cd48	0.723327306	0.74583082	1.08761329	1.1214502
A_51_P4873	17684.1 Detected	14702.4 Detected	13143.4 Detected	12790.6 Detected	Hpcal1	0.723282497	0.74323262	0.86996681	0.8939629
A_52_P1208	17167.1 Detected	20215.4 Detected	7980.2 Detected	12416 Detected	Ankrd1	0.723243879	0.46485429	0.61418523	0.3947585

A_55_P1977	3178.7	Detected	1971	Detected	2581.8	Detected	2298.9	Detected	Rs5-8s1	0.723220184	0.81221883	1.16636225	1.3098935
A_55_P2019	18639.6	Detected	12715.2	Detected	9882.5	Detected	13480.3	Detected	Samhd1	0.72320758	0.53018842	1.06017208	0.7772194
A_51_P4170	1613.7	Detected	1578.2	Detected	1415.7	Detected	1167	Detected	Srsf3	0.723182748	0.87730061	0.73945001	0.8970346
A_55_P2041	1198.5	Detected	723.5	Detected	564.9	Detected	866.6	Detected	Tubb3	0.723070505	0.47133917	1.19778853	0.7807878
A_51_P1927	68889.3	Detected	52685.1	Detected	68342.4	Detected	49811.7	Detected	Mrpl14	0.723068749	0.99206118	0.94546086	1.2971865
A_66_P1185	48367.7	Detected	35151.9	Detected	29122.9	Detected	34971.2	Detected	11-Sep	0.723027971	0.60211463	0.99485945	0.8284872
A_52_P3121	46.2	Detected	129.7	Detected	36.9	Detected	33.4	Not Detect	Sema3g	0.722943723	0.7987013	0.25751735	0.2845027
A_55_P1984	132.1	Detected	120.5	Detected	123.1	Detected	95.5	Detected	4930529M08Rik	0.722937169	0.9318698	0.79253112	1.0215768
A_55_P2088	210.4	Detected	217.3	Detected	335	Detected	152.1	Detected	Ahcyl2	0.722908745	1.59220532	0.69995398	1.5416475
A_51_P1175	749.7	Detected	172.3	Detected	684	Detected	541.9	Detected	Cables1	0.722822462	0.91236495	3.14509576	3.9698201
A_55_P1952	2702.6	Detected	1334.3	Detected	3167.5	Detected	1953.4	Detected	Odf2	0.722785466	1.17201954	1.46398861	2.3739039
A_51_P1843	82.2	Detected	128.4	Detected	3.3	Not Detect	59.4	Detected	Dtna	0.722627737	0.04014599	0.46261682	0.0257009
A_55_P2133	3603.7	Detected	2430.5	Detected	3187.9	Detected	2603.5	Detected	Ube2v1	0.722451924	0.88461859	1.07117877	1.3116231
A_55_P2010	389.1	Detected	212.2	Detected	307.6	Detected	281.1	Detected	Pde4d	0.722436392	0.79054228	1.32469369	1.4495759
A_52_P4525	128.2	Detected	98.9	Detected	88	Detected	92.6	Detected	Kirrel	0.722308892	0.68642746	0.93629929	0.8897877
A_55_P1982	64.8	Detected	42.7	Detected	57.3	Detected	46.8	Not Detect	Notch2	0.722222222	0.88425926	1.09601874	1.3419204
A_55_P2408	21.6	Detected	23.1	Detected	21.2	Detected	15.6	Not Detect	4930431P03Rik	0.722222222	0.98148148	0.67532468	0.9177489
A_55_P2040	203.7	Detected	142.1	Detected	146.4	Detected	147.1	Detected	Gtf2i	0.722140403	0.71870398	1.03518649	1.0302604
A_55_P2003	31.3	Detected	10.8	Not Detect	21.5	Detected	22.6	Not Detect	4930451G09Rik	0.722044728	0.68690096	2.09259259	1.9907407
A_51_P2867	2849.6	Detected	2036.5	Detected	2270.9	Detected	2057.5	Detected	Zfp275	0.722031162	0.79691887	1.01031181	1.1150994
A_66_P1376	3689.5	Detected	3482.8	Detected	1781.2	Detected	2663.9	Detected	Mb21d1	0.722021954	0.48277544	0.76487309	0.5114276
A_55_P2027	837.1	Detected	680.7	Detected	445.5	Detected	604.4	Detected	Apbb2	0.722016485	0.53219448	0.8879095	0.6544733
A_52_P1375	974.4	Detected	640.3	Detected	676.7	Detected	703.3	Detected	Rttm	0.721777504	0.69447865	1.09839138	1.0568484
A_51_P3826	10412.8	Detected	7880.9	Detected	9587.1	Detected	7514.8	Detected	Zmynd19	0.721688691	0.92070337	0.95354591	1.2164981
A_52_P1943	4293.2	Detected	3018.7	Detected	4397.3	Detected	3098.2	Detected	Atp13a3	0.721652846	1.02424765	1.02633584	1.4566867
A_52_P2046	1319.3	Detected	905.6	Detected	1751.1	Detected	951.8	Detected	Map4k2	0.72144319	1.32729478	1.0510159	1.9336352
A_51_P2017	22429.3	Detected	15873.2	Detected	20517.7	Detected	16180	Detected	Crtap	0.721377841	0.9147722	1.01932818	1.2926001
A_55_P2121	12.2	Not Detect	15.5	Detected	12.2	Not Detect	8.8	Not Detect	Efcc1	0.721311475	1	0.56774194	0.7870968
A_55_P2114	883.4	Detected	508.6	Detected	298	Detected	637.2	Detected	Garnl3	0.721304053	0.33733303	1.25285096	0.5859221
A_51_P2433	29045	Detected	23949.9	Detected	34751.1	Detected	20950.2	Detected	Galk1	0.721301429	1.19645722	0.87475104	1.4509914
A_55_P2293	2734.2	Detected	1485.7	Detected	2301.5	Detected	1972	Detected	Tbc1d5	0.72123473	0.8417453	1.32732046	1.5491014
A_55_P2001	12174.4	Detected	9132.1	Detected	9178.3	Detected	8779.6	Detected	Phf6	0.721152582	0.75390163	0.9613999	1.0050591
A_66_P1022	87.8	Detected	57.5	Detected	66.7	Detected	63.3	Detected	Hmga1	0.72095672	0.75968109	1.10086957	1.16
A_55_P2384	103.9	Detected	84.7	Detected	82.3	Detected	74.9	Detected	C81489	0.720885467	0.7921078	0.88429752	0.9716647
A_55_P2021	84.5	Detected	153.6	Detected	88.5	Detected	60.9	Detected	Ctsw	0.720710059	1.04733728	0.39648438	0.5761719
A_55_P2304	591.6	Detected	515	Detected	478.2	Detected	426.3	Detected	Noxa1	0.720588235	0.80831643	0.82776699	0.9285437
A_51_P4872	9637.8	Detected	6422.7	Detected	10275.3	Detected	6941.2	Detected	B9d2	0.720205856	1.0661458	1.08072929	1.5998412
A_52_P6702	62.9	Detected	26.7	Detected	34.4	Detected	45.3	Not Detect	Tfpi	0.720190779	0.54689984	1.69662921	1.2883895
A_52_P2012	8249.2	Detected	6381.2	Detected	9701.8	Detected	5940.6	Detected	Xpo5	0.720142559	1.1760898	0.93095343	1.5203723
A_66_P1135	11179.4	Detected	7287.9	Detected	10025	Detected	8050.6	Detected	Wash	0.720128093	0.89673864	1.10465292	1.3755677

A_51_P2124	66.8 Detected	63.4 Detected	53.8 Detected	48.1 Not Detect	Tmtc3	0.72005988	0.80538922	0.75867508	0.8485804
A_66_P1132	15 Not Detect	17.5 Not Detect	23.2 Detected	10.8 Not Detect	Mfng	0.72	1.54666667	0.61714286	1.3257143
A_52_P5000	409.5 Detected	288.3 Detected	201.8 Detected	294.8 Detected	Zfp551	0.71990232	0.49279609	1.02254596	0.6999653
A_55_P2023	1801.1 Detected	1123.8 Detected	1241.8 Detected	1296.5 Detected	Elp4	0.719837877	0.68946755	1.15367503	1.1050009
A_52_P3566	75.3 Detected	153 Detected	18.9 Detected	54.2 Detected	Shox2	0.719787517	0.25099602	0.35424837	0.1235294
A_55_P2084	8087.3 Detected	7101.1 Detected	6167.9 Detected	5821 Detected	Dcaf1212	0.719770504	0.76266492	0.81973215	0.8685837
A_55_P2093	4079.2 Detected	3208.7 Detected	3471.3 Detected	2935.9 Detected	Eif2s3x	0.719724456	0.85097568	0.91498115	1.08184
A_55_P1967	12535.6 Detected	9454.1 Detected	12400.8 Detected	9021.1 Detected	Kctd20	0.71963847	0.98924663	0.95419977	1.3116849
A_52_P4268	4356.3 Detected	2308.2 Detected	3561.1 Detected	3134.4 Detected	Fam178a	0.719509676	0.81745977	1.35794125	1.5428039
A_51_P1211	108.7 Detected	78.1 Detected	76.6 Detected	78.2 Detected	Arl10	0.719411224	0.70469181	1.00128041	0.9807939
A_55_P1996	940.4 Detected	548.1 Detected	784.4 Detected	676.5 Detected	Gm14325	0.719374734	0.83411314	1.23426382	1.4311257
A_55_P2171	63012.4 Detected	47974.3 Detected	47366 Detected	45328.2 Detected	Tceb1	0.719353651	0.75169332	0.94484338	0.9873203
A_55_P2050	1055.9 Detected	656.4 Detected	667.5 Detected	759.4 Detected	LOC101055823	0.719196894	0.63216214	1.15691651	1.0169104
A_55_P2089	337.2 Detected	272.8 Detected	356.7 Detected	242.5 Detected	Tmed5	0.71915777	1.05782918	0.88892962	1.3075513
A_55_P2100	23.5 Detected	27.6 Detected	20.5 Detected	16.9 Not Detect	Neurog1	0.719148936	0.87234043	0.61231884	0.7427536
A_55_P2086	23658.2 Detected	18312.3 Detected	23678.3 Detected	17013.3 Detected	Slc35b2	0.719129097	1.0008496	0.92906407	1.2930271
A_52_P1693	875 Detected	667.6 Detected	728.9 Detected	629.1 Detected	Suv39h2	0.718971429	0.83302857	0.94233074	1.0918214
A_51_P1314	1431.4 Detected	1128.8 Detected	881.9 Detected	1029 Detected	Dpf1	0.718876624	0.6161101	0.91158753	0.7812721
A_66_P1202	8607.8 Detected	3457.7 Detected	10689.4 Detected	6187.7 Detected	Nr1h3	0.718848022	1.24182718	1.78954218	3.091477
A_51_P5078	3086.1 Detected	2378.7 Detected	2107.9 Detected	2217.9 Detected	Ttc8	0.718674055	0.68303036	0.93240005	0.8861563
A_55_P2107	7984.7 Detected	6726.8 Detected	5109.4 Detected	5738.3 Detected	Smad5	0.718661941	0.63989881	0.85305048	0.7595588
A_55_P2106	32.7 Detected	39 Detected	36.7 Detected	23.5 Not Detect	Sstr3	0.718654434	1.12232416	0.6025641	0.9410256
A_52_P2233	3110.4 Detected	2898.9 Detected	3256.3 Detected	2235.2 Detected	Mib1	0.718621399	1.04690715	0.77105109	1.1232881
A_55_P2024	9449.2 Detected	4907.8 Detected	7431.9 Detected	6790.1 Detected	Abl1	0.718589934	0.78651103	1.38353234	1.5143038
A_55_P2466	96.3 Detected	43.2 Detected	46.5 Detected	69.2 Detected	4930402H24Rik	0.718587747	0.48286604	1.60185185	1.0763889
A_52_P1281	2922.5 Detected	1884.7 Detected	61.1 Detected	2099.8 Detected	Foxd1	0.71849444	0.02090676	1.11412957	0.032419
A_52_P5373	44.4 Detected	48.4 Detected	34.3 Detected	31.9 Not Detect	Eml5	0.718468468	0.77252252	0.65909091	0.7086777
A_55_P2157	2090.3 Detected	1410.9 Detected	1935.5 Detected	1501.7 Detected	Nqo2	0.718413625	0.92594364	1.06435608	1.3718194
A_51_P2562	68984.5 Detected	44400.4 Detected	70493.9 Detected	49558.1 Detected	Ctsz	0.718394712	1.02188028	1.11616337	1.5876861
A_55_P2216	247.5 Detected	204.6 Detected	237.2 Detected	177.8 Detected	Tmem87a	0.718383838	0.95838384	0.86901271	1.1593353
A_52_P5172	49.7 Detected	39.8 Detected	39.6 Detected	35.7 Not Detect	Zfp526	0.718309859	0.79678068	0.89698492	0.9949749
A_55_P1961	14.2 Not Detect	21.2 Detected	9.4 Not Detect	10.2 Not Detect	Tes	0.718309859	0.66197183	0.48113208	0.4433962
A_52_P4176	5164.6 Detected	4512.5 Detected	4286.1 Detected	3709 Detected	Tcea1	0.718158231	0.8298997	0.82193906	0.9498283
A_51_P2245	27297.2 Detected	21628.6 Detected	27111.2 Detected	19603.5 Detected	Ppm1f	0.71815058	0.99318611	0.90636934	1.2534884
A_55_P2087	31.2 Detected	21.8 Detected	11.5 Not Detect	22.4 Not Detect	LOC640793	0.717948718	0.36858974	1.02752294	0.5275229
A_55_P2279	836.3 Detected	759.5 Detected	673.1 Detected	600.4 Detected	D2Bwg0886e	0.71792419	0.80485472	0.79052008	0.8862409
A_55_P2046	82.6 Detected	166.5 Detected	74.6 Detected	59.3 Detected	Zfand4	0.717917676	0.9031477	0.35615616	0.448048
A_55_P2030	2552.8 Detected	2289.1 Detected	2131.8 Detected	1832.4 Detected	Kdm8	0.717800063	0.83508305	0.80048928	0.931283
A_51_P2962	217.9 Detected	170.7 Detected	164.4 Detected	156.4 Detected	Foxs1	0.717760441	0.75447453	0.9162273	0.9630931
A_55_P2012	1519.5 Detected	5192.9 Detected	227.9 Detected	1090.6 Detected	Armcx2	0.717736097	0.14998355	0.21001752	0.0438868

A_51_P4905	9846.6	Detected	6984.8	Detected	7827.6	Detected	7066.9	Detected	Bub1b	0.71769951	0.7949546	1.01175409	1.120662
A_66_P1123	17	Detected	10.3	Not Detect	11.9	Not Detect	12.2	Not Detect	Myo1f	0.717647059	0.7	1.18446602	1.1553398
A_52_P3550	244.3	Detected	207.2	Detected	180.5	Detected	175.3	Detected	Dstyk	0.717560377	0.73884568	0.84604247	0.871139
A_51_P2419	45467.3	Detected	36515.4	Detected	26790.6	Detected	32622.6	Detected	Sap30l	0.717495871	0.58922786	0.89339292	0.7336795
A_65_P1067	81.4	Detected	64.3	Detected	59.6	Detected	58.4	Detected	Ccne2	0.717444717	0.73218673	0.90824261	0.9269051
A_55_P2075	254.1	Detected	411.4	Detected	123.4	Detected	182.3	Detected	Dtnb	0.717434081	0.48563558	0.44312105	0.2999514
A_52_P1367	237.1	Detected	499.3	Detected	108.6	Detected	170.1	Detected	Pctp	0.717418811	0.45803458	0.34067695	0.2175045
A_55_P1965	30497	Detected	18690.2	Detected	30613.9	Detected	21877.4	Detected	Spsb3	0.717362364	1.00383316	1.17052787	1.6379654
A_66_P1359	7572.8	Detected	4647.2	Detected	5695.7	Detected	5432	Detected	Ocrl	0.717304035	0.75212603	1.16887588	1.2256197
A_51_P2850	3174.4	Detected	1866.5	Detected	2505.8	Detected	2276.9	Detected	Rtf1	0.717269405	0.78937752	1.21987677	1.3425127
A_51_P2673	4591.7	Detected	4282.6	Detected	5116.7	Detected	3293.1	Detected	Itm2c	0.717185356	1.11433674	0.76894877	1.1947649
A_55_P2072	50.2	Detected	45.2	Detected	56.5	Detected	36	Not Detect	Lpin2	0.717131474	1.12549801	0.79646018	1.25
A_51_P3221	294.4	Detected	250.9	Detected	274.7	Detected	211.1	Detected	Pptc7	0.71705163	0.93308424	0.84137106	1.0948585
A_55_P2046	13855	Detected	6512.2	Detected	9981.3	Detected	9934.7	Detected	Itpril2	0.717047997	0.7204114	1.52555204	1.5327078
A_55_P2105	124144.6	Detected	90003.5	Detected	107469.1	Detected	88999.1	Detected	Pcna	0.716898681	0.8656768	0.98884043	1.1940547
A_55_P1972	51.9	Detected	51.1	Detected	10.4	Not Detect	37.2	Not Detect	I830012O16Rik	0.716763006	0.20038536	0.72798434	0.2035225
A_55_P1962	318.8	Detected	136.9	Detected	222.1	Detected	228.5	Detected	Trim21	0.716750314	0.69667503	1.66910153	1.6223521
A_51_P3587	23.3	Detected	24.9	Detected	37.8	Detected	16.7	Not Detect	Olf1221	0.716738197	1.6223176	0.67068273	1.5180723
A_55_P2179	18	Detected	64.4	Detected	4	Not Detect	12.9	Not Detect	Gbp8	0.716666667	0.22222222	0.20031056	0.0621118
A_55_P2339	482.5	Detected	438.1	Detected	357.3	Detected	345.7	Detected	AW060742	0.716476684	0.74051813	0.78908925	0.8155672
A_55_P2275	1248.3	Detected	897.9	Detected	883	Detected	894.3	Detected	Zfp335	0.716414323	0.70736201	0.99599064	0.9834057
A_51_P2074	2705.3	Detected	2278.2	Detected	1809.9	Detected	1937.8	Detected	Ankrd32	0.716297638	0.66902007	0.85058379	0.794443
A_55_P2175	1554.4	Detected	1065.8	Detected	1350.9	Detected	1113	Detected	Mfap1b	0.716031909	0.86908132	1.04428598	1.2674986
A_55_P2127	15022.6	Detected	12687	Detected	12313	Detected	10753	Detected	Sys1	0.715788212	0.81963175	0.84756049	0.970521
A_52_P2494	2199.7	Detected	1048.6	Detected	2362.5	Detected	1574.3	Detected	Vegfa	0.715688503	1.07401009	1.50133511	2.253004
A_55_P2129	338.3	Detected	272.5	Detected	268.6	Detected	242.1	Detected	Cdc42bpa	0.715637009	0.79396985	0.88844037	0.9856881
A_52_P5329	358.2	Detected	211.5	Detected	278.9	Detected	256.3	Detected	Pxn	0.715522055	0.7786153	1.21182033	1.3186761
A_55_P2005	7755.4	Detected	5893.8	Detected	5197.8	Detected	5548.1	Detected	LOC101055804	0.715385409	0.67021688	0.94134514	0.8819098
A_52_P4536	2884.1	Detected	1929.5	Detected	2947.7	Detected	2063.2	Detected	Arl6ip6	0.71537048	1.02205194	1.06929256	1.5277015
A_55_P1970	66.4	Detected	65	Detected	73.3	Detected	47.5	Not Detect	C5ar2	0.715361446	1.10391566	0.73076923	1.1276923
A_55_P2139	27.4	Detected	33.1	Detected	33.3	Detected	19.6	Not Detect	Gm7444	0.715328467	1.21532847	0.59214502	1.0060423
A_55_P2005	2250.8	Detected	2143.7	Detected	1747.5	Detected	1609.8	Detected	Tardbp	0.715212369	0.77639062	0.75094463	0.8151794
A_51_P4795	692.4	Detected	480.6	Detected	227.8	Detected	495.1	Detected	Obsl1	0.715049105	0.32900058	1.03017062	0.4739908
A_51_P4201	283.2	Detected	182.3	Detected	209.6	Detected	202.5	Detected	Senp5	0.715042373	0.74011299	1.11080636	1.1497532
A_52_P3571	28491.1	Detected	21851.2	Detected	20524.3	Detected	20371	Detected	Selm	0.714995209	0.72037584	0.93226001	0.9392756
A_52_P4605	265.2	Detected	225.5	Detected	199.4	Detected	189.6	Detected	Runx2	0.714932127	0.75188537	0.84079823	0.8842572
A_55_P2121	624.2	Detected	477.3	Detected	491.9	Detected	446.2	Detected	2810047C21Rik1	0.714834989	0.7880487	0.93484182	1.0305887
A_55_P2131	5139.3	Detected	4518.3	Detected	5614.4	Detected	3672.5	Detected	Loxl2	0.714591481	1.0924445	0.8128057	1.2425912
A_51_P1413	28480.1	Detected	20119.8	Detected	23476.9	Detected	20349.8	Detected	Anapc1	0.714526986	0.82432646	1.01143153	1.1668555
A_55_P2108	10222.6	Detected	6789	Detected	8749	Detected	7304.3	Detected	Mavs	0.714524681	0.85584881	1.07590219	1.2887023

A_66_P1297	317.1	Detected	68.4	Detected	290.3	Detected	226.5	Detected	Gsap	0.714285714	0.91548407	3.31140351	4.244152
A_66_P1319	5644.9	Detected	4932.6	Detected	3960.8	Detected	4031.8	Detected	Cdc6	0.71423763	0.70165991	0.81737826	0.8029842
A_51_P4272	180.2	Detected	345.9	Detected	181.1	Detected	128.7	Detected	2410018M08Rik	0.714206437	1.00499445	0.37207285	0.5235617
A_51_P4309	8825.8	Detected	8450	Detected	6715.1	Detected	6302	Detected	Rdx	0.71404292	0.76084887	0.74579882	0.7946864
A_55_P2205	273.3	Detected	161	Detected	164.2	Detected	195.1	Detected	C88045	0.713867545	0.60080498	1.21180124	1.0198758
A_52_P1647	67.1	Detected	49.6	Detected	75.5	Detected	47.9	Detected	Lct	0.713859911	1.12518629	0.96572581	1.5221774
A_55_P2031	24.1	Detected	27.8	Detected	23.9	Not Detect	17.2	Not Detect	Igf1	0.713692946	0.99170124	0.61870504	0.8597122
A_66_P1277	18.5	Detected	15.9	Not Detect	17.4	Not Detect	13.2	Not Detect	Smpd5	0.713513514	0.94054054	0.83018868	1.0943396
A_52_P5474	239.1	Detected	352.9	Detected	158.4	Detected	170.6	Detected	Lurap1	0.713508992	0.66248432	0.48342307	0.4488524
A_51_P4106	231.4	Detected	110.6	Detected	37.1	Detected	165.1	Detected	Irx5	0.713483146	0.16032844	1.49276673	0.335443
A_66_P1298	5808.8	Detected	4991.4	Detected	7703	Detected	4143.8	Detected	Fxn	0.713365928	1.32609145	0.83018792	1.5432544
A_55_P2106	10319	Detected	7422.9	Detected	8022.5	Detected	7361.2	Detected	Cenpk	0.713363698	0.77744937	0.99168788	1.0807771
A_55_P2162	34726.4	Detected	20755.5	Detected	29419.2	Detected	24772.3	Detected	Hmgn2	0.713356409	0.84717103	1.19352943	1.4174171
A_55_P2062	7645.4	Detected	6134	Detected	7089.2	Detected	5453.6	Detected	Smc5	0.713317812	0.92725037	0.88907727	1.1557222
A_55_P2030	3388.5	Detected	5420	Detected	2323.8	Detected	2417	Detected	Adssl1	0.713294968	0.68579017	0.44594096	0.4287454
A_55_P2007	28.6	Detected	18.9	Detected	17.4	Not Detect	20.4	Not Detect	A530021J07Rik	0.713286713	0.60839161	1.07936508	0.9206349
A_55_P2055	1809.6	Detected	1184	Detected	1643	Detected	1290.6	Detected	Rtfdc1	0.713196286	0.90793546	1.09003378	1.3876689
A_55_P2097	50.9	Detected	44.4	Detected	45.1	Detected	36.3	Not Detect	Zc3h4	0.713163065	0.88605108	0.81756757	1.0157658
A_52_P1803	14269.9	Detected	11816.3	Detected	15546	Detected	10176.6	Detected	Mrpl28	0.713151459	1.08942599	0.86123406	1.3156403
A_66_P1387	137	Detected	44.9	Detected	77.1	Detected	97.7	Detected	Glis3	0.713138686	0.56277372	2.17594655	1.7171492
A_55_P2240	58.9	Detected	39.7	Detected	36.3	Detected	42	Not Detect	Epb4.1	0.713073005	0.61629881	1.05793451	0.9143577
A_52_P8947	1557.9	Detected	1508.7	Detected	872.4	Detected	1110.6	Detected	Bcl9	0.712882727	0.55998459	0.73613044	0.5782462
A_55_P2070	8206.2	Detected	4724.7	Detected	6220.9	Detected	5849.9	Detected	Rapgef1	0.712863445	0.75807316	1.23815269	1.3166762
A_55_P2154	1542.4	Detected	1254.2	Detected	857.2	Detected	1099.2	Detected	Myo18a	0.712655602	0.55575726	0.87641524	0.6834636
A_55_P2095	12139.4	Detected	6473.8	Detected	8866.6	Detected	8650.5	Detected	Rara	0.712596998	0.73039854	1.3362322	1.3696129
A_55_P2054	112	Detected	76.3	Detected	55.7	Detected	79.8	Detected	Ttpal	0.7125	0.49732143	1.04587156	0.7300131
A_51_P2150	53737	Detected	45827.7	Detected	48136.9	Detected	38279.6	Detected	Emc4	0.712350894	0.89578689	0.83529394	1.0503887
A_55_P1956	291.2	Detected	167.4	Detected	201	Detected	207.4	Detected	Tln1	0.712225275	0.69024725	1.23894863	1.2007168
A_55_P1953	99.7	Detected	94.4	Detected	77.2	Detected	71	Detected	Cdkl3	0.712136409	0.77432297	0.75211864	0.8177966
A_51_P1530	5867.1	Detected	5189.5	Detected	5952.2	Detected	4177.8	Detected	Phax	0.712072404	1.01450461	0.80504866	1.1469698
A_55_P2063	11975.5	Detected	9541	Detected	10263.4	Detected	8526.1	Detected	Commd7	0.711961922	0.85703311	0.8936275	1.0757153
A_51_P2527	27003.2	Detected	25571.5	Detected	22702.7	Detected	19219.5	Detected	Fam216a	0.711748978	0.8407411	0.75159846	0.8878126
A_55_P2139	22228.7	Detected	17746.5	Detected	21950.2	Detected	15821.2	Detected	Tsr3	0.711746526	0.98747115	0.891511	1.2368749
A_55_P2193	28.1	Detected	22.5	Detected	18.3	Detected	20	Not Detect	A330032P22Rik	0.711743772	0.65124555	0.88888889	0.8133333
A_55_P1984	26281.7	Detected	16848.3	Detected	19214.2	Detected	18703.4	Detected	Emd	0.711651073	0.73108665	1.11010606	1.1404237
A_55_P2122	15.6	Detected	15	Not Detect	23.2	Detected	11.1	Not Detect	Olfrc307	0.711538462	1.48717949	0.74	1.5466667
A_55_P2410	20.8	Detected	23.8	Detected	24.4	Detected	14.8	Not Detect	Glb1l	0.711538462	1.17307692	0.62184874	1.0252101
A_55_P2340	204.5	Detected	140.8	Detected	164.1	Detected	145.5	Detected	AI849538	0.711491443	0.80244499	1.03338068	1.165483
A_55_P2084	1765.8	Detected	1416.3	Detected	1325.6	Detected	1256.2	Detected	Uba1	0.711405595	0.75070789	0.88695898	0.9359599
A_55_P2156	2246.7	Detected	1927.1	Detected	2163.2	Detected	1598.2	Detected	Zfp51	0.711354431	0.96283438	0.82932904	1.1225157

A_55_P2155	117.7	Detected	148.5	Detected	91.1	Detected	83.7	Detected	Hctr1	0.711129992	0.7740017	0.56363636	0.613468
A_55_P1997	57344.8	Detected	45715	Detected	36196.4	Detected	40771.1	Detected	Mybl2	0.710981641	0.63120632	0.89185388	0.7917839
A_55_P2005	52400.5	Detected	42616.8	Detected	44446.8	Detected	37255.5	Detected	Ranbp3	0.71097604	0.84821328	0.8741975	1.0429408
A_55_P1967	12.8	Not Detect	27.6	Detected	7.6	Not Detect	9.1	Not Detect	Zmynd15	0.7109375	0.59375	0.32971014	0.2753623
A_55_P2417	12.8	Not Detect	50.3	Detected	4.9	Not Detect	9.1	Not Detect	1700040N02Rik	0.7109375	0.3828125	0.18091451	0.0974155
A_52_P3413	144.1	Detected	93.7	Detected	105.7	Detected	102.4	Detected	Sos1	0.710617627	0.73351839	1.09284952	1.1280683
A_51_P1671	2145.5	Detected	1138.7	Detected	2394.9	Detected	1524.6	Detected	B3galt4	0.710603589	1.1162433	1.33889523	2.1031878
A_55_P2120	278.4	Detected	268.7	Detected	298	Detected	197.8	Detected	Cacna1a	0.710488506	1.0704023	0.73613696	1.1090435
A_51_P4245	620.8	Detected	588.1	Detected	263.1	Detected	441	Detected	Nin	0.710373711	0.42380799	0.74987247	0.4473729
A_52_P7538	7438.7	Detected	3420.6	Detected	6392.5	Detected	5284.1	Detected	B230219D22Rik	0.710352615	0.85935715	1.54478746	1.8688242
A_52_P6788	7946.4	Detected	6452.8	Detected	5613.6	Detected	5644.7	Detected	Dynlt3	0.710346824	0.7064331	0.87476754	0.8699479
A_55_P1978	2533.4	Detected	1669.2	Detected	6818.6	Detected	1798.8	Detected	Slc9a3r2	0.710033946	2.6914818	1.07764198	4.0849509
A_55_P2277	123.8	Detected	76	Detected	60.8	Detected	87.9	Detected	Gm16523	0.710016155	0.4911147	1.15657895	0.8
A_55_P1964	13.1	Not Detect	9.9	Not Detect	22.2	Detected	9.3	Not Detect	BC049635	0.709923664	1.69465649	0.93939394	2.2424242
A_55_P1956	64839.5	Detected	53994.1	Detected	42658.8	Detected	46030.7	Detected	Hnrnp1	0.709917566	0.65791377	0.85251352	0.7900641
A_55_P2040	152	Detected	124.3	Detected	238.4	Detected	107.9	Detected	Gm11744	0.709868421	1.56842105	0.86806114	1.9179405
A_55_P2044	4891.9	Detected	3349.7	Detected	4958.6	Detected	3472.5	Detected	9930021J03Rik	0.70984689	1.01363478	1.03666	1.4803117
A_55_P1954	12.4	Not Detect	23.9	Detected	7.2	Not Detect	8.8	Not Detect	Trpv1	0.709677419	0.58064516	0.36820084	0.3012552
A_51_P4437	34082.6	Detected	25183.8	Detected	34099.1	Detected	24187.2	Detected	Mrps34	0.709664169	1.00048412	0.96042694	1.3540093
A_51_P3680	8164.3	Detected	3075.6	Detected	6445.4	Detected	5793.1	Detected	E2f2	0.709564813	0.78946144	1.88356743	2.0956561
A_55_P2171	27.2	Detected	26.3	Detected	32.1	Detected	19.3	Not Detect	Gja3	0.709558824	1.18014706	0.7338403	1.2205323
A_55_P2049	5165.2	Detected	4727.2	Detected	3721.8	Detected	3665	Detected	Araf	0.709556261	0.72055293	0.77530039	0.787316
A_55_P2115	5068.3	Detected	1812.7	Detected	5722.5	Detected	3596.2	Detected	AI661453	0.70954758	1.12907681	1.98389143	3.156893
A_55_P2080	4004.2	Detected	3430.4	Detected	3143.3	Detected	2840.9	Detected	Arhgap26	0.709480046	0.78500075	0.82815415	0.9163071
A_52_P4135	1584.6	Detected	1096.1	Detected	1310.6	Detected	1124.2	Detected	Rtfdc1	0.70945349	0.8270857	1.02563635	1.1956938
A_52_P2272	177.9	Detected	156.9	Detected	180.8	Detected	126.2	Detected	Atp1a2	0.709387296	1.01630129	0.80433397	1.1523263
A_52_P6290	22805.9	Detected	19378.8	Detected	25035.4	Detected	16176.7	Detected	Gm6987	0.709320834	1.09775979	0.83476273	1.2918963
A_51_P2612	22.7	Detected	8.4	Not Detect	13.2	Not Detect	16.1	Not Detect	Foxi2	0.709251101	0.5814978	1.91666667	1.5714286
A_55_P2099	868.7	Detected	717	Detected	621.9	Detected	616.1	Detected	Whsc1	0.709220675	0.71589732	0.85927476	0.867364
A_52_P5960	922.3	Detected	739.9	Detected	68.1	Detected	654	Detected	Zeb2	0.709096823	0.07383715	0.88390323	0.0920395
A_55_P2122	5495.7	Detected	5722.6	Detected	4286.2	Detected	3896.8	Detected	Csnk1e	0.70906345	0.77991885	0.68094922	0.7489952
A_51_P2087	15633.6	Detected	11745.4	Detected	19018.1	Detected	11085	Detected	Metrn	0.709049739	1.21648884	0.94377373	1.6191956
A_55_P2240	122.3	Detected	85.8	Detected	123.5	Detected	86.7	Detected	2310005E17Rik	0.70891251	1.00981194	1.01048951	1.4393939
A_51_P4797	4323.3	Detected	3493.8	Detected	2220.2	Detected	3064.7	Detected	Smtn	0.708879791	0.5135429	0.87718244	0.6354685
A_51_P3252	71.1	Detected	28.5	Detected	47.4	Detected	50.4	Not Detect	Lin7b	0.708860759	0.66666667	1.76842105	1.6631579
A_52_P2312	968.1	Detected	257.6	Detected	791.4	Detected	686.2	Detected	Nanos1	0.708811073	0.81747753	2.66381988	3.072205
A_52_P5877	1573.9	Detected	587.2	Detected	3016.1	Detected	1115.5	Detected	P2ry2	0.708748968	1.91632251	1.89969346	5.1364101
A_55_P1972	84	Detected	66.2	Detected	77.3	Detected	59.5	Detected	0610037L13Rik	0.708333333	0.9202381	0.89879154	1.1676737
A_55_P1967	24	Detected	43.1	Detected	3.8	Not Detect	17	Not Detect	Lrp4	0.708333333	0.15833333	0.39443155	0.0881671
A_55_P2080	28048.8	Detected	16378.4	Detected	28066.1	Detected	19867.8	Detected	Carhsp1	0.708329768	1.00061678	1.21304889	1.7136045

A_55_P2157	2830.8	Detected	1951.1	Detected	2333.5	Detected	2005.1	Detected	Gm14410	0.70831567	0.82432528	1.0276767	1.195992
A_55_P2108	403	Detected	341.7	Detected	340.8	Detected	285.4	Detected	Gm7160	0.708188586	0.84565757	0.83523559	0.9973661
A_66_P1396	49	Detected	51.2	Detected	26.7	Detected	34.7	Not Detect	Pla2g4c	0.708163265	0.54489796	0.67773438	0.5214844
A_52_P6170	117.5	Detected	88.7	Detected	100.7	Detected	83.2	Detected	Zfp369	0.708085106	0.85702128	0.93799324	1.1352875
A_51_P2833	245.7	Detected	299.6	Detected	162.8	Detected	173.9	Detected	Cacnb2	0.707773708	0.66259666	0.58044059	0.5433912
A_51_P3595	2930.8	Detected	2450.9	Detected	3040	Detected	2074.3	Detected	Fem1c	0.707758974	1.03725945	0.84634216	1.2403607
A_55_P1972	50120.6	Detected	28823.7	Detected	31522.5	Detected	35465.7	Detected	Btg3	0.707607251	0.62893301	1.23043537	1.0936313
A_55_P2157	17.1	Detected	9.5	Not Detect	5.8	Not Detect	12.1	Not Detect	Gfap	0.707602339	0.33918129	1.27368421	0.6105263
A_66_P1045	15135	Detected	9206.2	Detected	12106.8	Detected	10705.8	Detected	Tbl1x	0.707353816	0.79992071	1.16289023	1.3150703
A_55_P2003	36.9	Detected	23.3	Detected	30.4	Detected	26.1	Not Detect	Nr6a1	0.707317073	0.82384824	1.12017167	1.304721
A_55_P2278	41	Detected	23.1	Detected	46.4	Detected	29	Not Detect	1700037F03Rik	0.707317073	1.13170732	1.25541126	2.008658
A_55_P2062	12.3	Not Detect	10.9	Not Detect	18.1	Detected	8.7	Not Detect	Gm3099	0.707317073	1.47154472	0.79816514	1.6605505
A_55_P2129	1605.7	Detected	1005.7	Detected	1210.3	Detected	1135.6	Detected	Dclre1c	0.707230491	0.75375226	1.12916377	1.2034404
A_51_P1125	28871.5	Detected	25209.3	Detected	29516.1	Detected	20417.7	Detected	Polr1c	0.707192214	1.02232652	0.80992729	1.1708417
A_52_P6902	461	Detected	409.5	Detected	237.4	Detected	325.9	Detected	Slc24a5	0.706941432	0.51496746	0.7958486	0.5797314
A_66_P1257	1677.3	Detected	1329.7	Detected	1046.7	Detected	1185.6	Detected	Tnip2	0.706850295	0.62403863	0.89162969	0.78717
A_52_P4452	1091.8	Detected	730.8	Detected	479.1	Detected	771.7	Detected	Dst	0.706814435	0.43881663	1.05596606	0.6555829
A_55_P2031	210600.1	Detected	139832.5	Detected	161084.3	Detected	148852.4	Detected	Hnrnpa3	0.706801184	0.76488235	1.06450503	1.1519804
A_55_P1984	93.1	Detected	135.4	Detected	46.7	Detected	65.8	Detected	Wnt5b	0.706766917	0.50161117	0.4859675	0.344904
A_52_P1047	1087	Detected	741.9	Detected	840.4	Detected	768.2	Detected	Rlim	0.706715731	0.77313707	1.03544952	1.1327672
A_55_P2055	91510.6	Detected	80153	Detected	89833.9	Detected	64667.2	Detected	Uqcc2	0.70666349	0.98167753	0.806797	1.1207803
A_52_P3356	2743.2	Detected	1700.7	Detected	2009.8	Detected	1938.4	Detected	Idnk	0.706620006	0.732648	1.13976598	1.1817487
A_52_P5097	22785.5	Detected	18947.8	Detected	14075.5	Detected	16100.3	Detected	Zwint	0.706602883	0.61773935	0.8497187	0.7428567
A_51_P5089	33.4	Detected	34.6	Detected	32.9	Detected	23.6	Not Detect	Tas1r1	0.706586826	0.98502994	0.68208092	0.9508671
A_55_P2150	36.1	Detected	29.8	Detected	34.4	Detected	25.5	Not Detect	Cpne5	0.706371191	0.95290859	0.8557047	1.1543624
A_51_P4489	12.6	Not Detect	20.8	Detected	9.5	Not Detect	8.9	Not Detect	Sncb	0.706349206	0.75396825	0.42788462	0.4567308
A_52_P8368	24.5	Detected	17.6	Detected	71.2	Detected	17.3	Not Detect	Txx	0.706122449	2.90612245	0.98295455	4.0454545
A_52_P3426	805	Detected	818.2	Detected	659.9	Detected	568.4	Detected	Csrnp2	0.706086957	0.81975155	0.69469567	0.8065265
A_55_P2049	6432.5	Detected	4747.9	Detected	3991.5	Detected	4541.7	Detected	Phtf1	0.706055188	0.62052079	0.95657027	0.8406875
A_55_P1980	376.6	Detected	303.4	Detected	180.1	Detected	265.9	Detected	Cetn4	0.706054169	0.47822623	0.87640079	0.5936058
A_52_P2659	36.4	Detected	17.5	Not Detect	18	Not Detect	25.7	Not Detect	Tagln3	0.706043956	0.49450549	1.46857143	1.0285714
A_55_P1976	25.5	Detected	27.3	Detected	25.3	Detected	18	Not Detect	Tgm4	0.705882353	0.99215686	0.65934066	0.9267399
A_51_P3919	15546.9	Detected	10619.4	Detected	14299.7	Detected	10973.5	Detected	Ubxn6	0.705832031	0.91977822	1.03334463	1.3465638
A_55_P2117	564.3	Detected	497.9	Detected	664.9	Detected	398.3	Detected	Ppih	0.705830232	1.17827397	0.79995983	1.3354087
A_51_P4080	7381.6	Detected	5390.2	Detected	4570	Detected	5209.5	Detected	Kntc1	0.705741303	0.61910697	0.9664762	0.847835
A_55_P1953	14.6	Not Detect	12.9	Not Detect	18.8	Detected	10.3	Not Detect	Tnfsf12	0.705479452	1.28767123	0.79844961	1.4573643
A_51_P1294	339.5	Detected	277.2	Detected	317.1	Detected	239.5	Detected	Arid2	0.70544919	0.93402062	0.86399711	1.1439394
A_55_P2030	641.2	Detected	276.9	Detected	602.5	Detected	452.2	Detected	Tcf7l2	0.705240175	0.93964442	1.63308053	2.1758758
A_51_P4079	1699.7	Detected	1186.4	Detected	1178.8	Detected	1198.6	Detected	1500011B03Rik	0.705183268	0.69353415	1.01028321	0.9935941
A_52_P5125	135.3	Detected	89.3	Detected	84.9	Detected	95.4	Detected	Cdc7	0.705099778	0.62749446	1.06830907	0.9507279

A_52_P3312	1787.1	Detected	1180.1	Detected	1416.1	Detected	1259.6	Detected	Cspp1	0.704829053	0.7924011	1.06736717	1.1999831
A_52_P3574	6821.5	Detected	5466.5	Detected	5915.3	Detected	4807.9	Detected	Mlst8	0.704815656	0.86715532	0.87952072	1.0821001
A_52_P5563	243.9	Detected	145.8	Detected	303.6	Detected	171.9	Detected	Ralgapa2	0.704797048	1.24477245	1.17901235	2.0823045
A_51_P4762	192	Detected	111.6	Detected	108.5	Detected	135.3	Detected	Fscn3	0.7046875	0.56510417	1.21236559	0.9722222
A_51_P4189	1361.5	Detected	1399	Detected	1195.9	Detected	959.4	Detected	Neur12	0.704663974	0.87836945	0.68577555	0.8548249
A_66_P1022	9064	Detected	4899.8	Detected	4170.4	Detected	6386.5	Detected	Irs2	0.704600618	0.46010591	1.30342055	0.8511368
A_55_P2177	15.9	Detected	20.9	Detected	15.3	Not Detect	11.2	Not Detect	Gm7166	0.704402516	0.96226415	0.53588517	0.7320574
A_55_P2073	180.6	Detected	113.1	Detected	122.4	Detected	127.2	Detected	Chd6	0.704318937	0.67774086	1.12466844	1.0822281
A_66_P1052	686.7	Detected	597.1	Detected	592.9	Detected	483.6	Detected	Tor1aip1	0.704237658	0.86340469	0.80991459	0.992966
A_51_P4170	899.4	Detected	1385.9	Detected	1876.5	Detected	633.3	Detected	Arhgap8	0.704136091	2.08639093	0.45695938	1.3539938
A_52_P5160	2450.2	Detected	1540.7	Detected	1971.3	Detected	1724.6	Detected	Ptpn1	0.703860909	0.80454657	1.11936133	1.2794834
A_55_P2097	18517.9	Detected	12182.5	Detected	9697.2	Detected	13032.8	Detected	Eid1	0.703794707	0.52366629	1.06979684	0.7959943
A_55_P2084	17485.6	Detected	15851.3	Detected	13950.4	Detected	12304.1	Detected	Kcna4	0.703670449	0.79782221	0.77622025	0.8800792
A_55_P2155	1437.4	Detected	1188.5	Detected	1579.1	Detected	1011.4	Detected	Naa40	0.703631557	1.09858077	0.85098864	1.3286496
A_52_P2238	645.1	Detected	468.2	Detected	472.9	Detected	453.9	Detected	Gm6712	0.703611843	0.73306464	0.9694575	1.0100384
A_52_P8651	2785.9	Detected	2810.6	Detected	2813.5	Detected	1959.9	Detected	Cbwd1	0.703506946	1.00990703	0.69732441	1.0010318
A_52_P1080	3446.5	Detected	2529.9	Detected	2073.7	Detected	2424.6	Detected	BC030336	0.703496301	0.60168287	0.9583778	0.8196767
A_51_P1742	31.7	Detected	39.8	Detected	33	Detected	22.3	Not Detect	Colec11	0.703470032	1.04100946	0.56030151	0.8291457
A_55_P2003	14.5	Not Detect	20.5	Detected	15.3	Not Detect	10.2	Not Detect	H2-T24	0.703448276	1.05517241	0.49756098	0.7463415
A_55_P1992	33196.5	Detected	19609.9	Detected	25653.4	Detected	23350.7	Detected	Ptpn1	0.703408492	0.77277424	1.19076079	1.3081862
A_52_P5177	1161.5	Detected	852.2	Detected	1075.7	Detected	817	Detected	Creb1	0.703400775	0.92613	0.95869514	1.2622624
A_55_P2142	631.3	Detected	644.7	Detected	741.4	Detected	444	Detected	Cacna1a	0.703310629	1.17440203	0.68869242	1.1499922
A_55_P2199	160.4	Detected	122.8	Detected	98	Detected	112.8	Detected	2810002D19Rik	0.703241895	0.61097257	0.91856678	0.7980456
A_51_P4329	12.8	Not Detect	7.5	Not Detect	20.2	Detected	9	Not Detect	Npas3	0.703125	1.578125	1.2	2.6933333
A_55_P1982	12.8	Not Detect	10.7	Not Detect	17.9	Detected	9	Not Detect	Frmd4a	0.703125	1.3984375	0.8411215	1.6728972
A_52_P2642	2473.5	Detected	1836.8	Detected	1890.5	Detected	1738.9	Detected	Ing5	0.703011926	0.7643016	0.94670078	1.0292356
A_55_P2148	444.7	Detected	471.5	Detected	415.3	Detected	312.6	Detected	Tsr3	0.702945806	0.93388801	0.66299046	0.8808059
A_55_P2013	24754.7	Detected	16961	Detected	12599.4	Detected	17401	Detected	Serpnb6b	0.70293722	0.50897001	1.02594187	0.7428454
A_55_P2111	453.4	Detected	430.6	Detected	338.2	Detected	318.7	Detected	Cbx6	0.702911337	0.74591972	0.74013005	0.7854157
A_55_P2350	17.5	Detected	21.3	Detected	24.6	Detected	12.3	Not Detect	5033404E19Rik	0.702857143	1.40571429	0.57746479	1.1549296
A_55_P2128	4423.4	Detected	2785.9	Detected	3625.1	Detected	3108.7	Detected	Phf21a	0.702785188	0.81952796	1.1158692	1.3012312
A_55_P2093	5468.4	Detected	3482.6	Detected	6773.7	Detected	3842.9	Detected	Usp3	0.70274669	1.23869871	1.10345719	1.9450123
A_51_P5004	18091.1	Detected	10872.2	Detected	15264.6	Detected	12709.9	Detected	Dnrtip1	0.702549873	0.84376296	1.16902743	1.4040029
A_55_P2067	12095.4	Detected	8400.8	Detected	11032.7	Detected	8493.4	Detected	5-Mar	0.702200837	0.91214015	1.01102276	1.3132916
A_52_P3901	3112.2	Detected	2804.3	Detected	2515.2	Detected	2185.3	Detected	Eif4b	0.702172097	0.80817428	0.77926755	0.8969083
A_52_P6313	488.1	Detected	239.2	Detected	358.8	Detected	342.6	Detected	Cobll1	0.701905347	0.73509527	1.43227425	1.5
A_51_P2976	22916	Detected	16924.2	Detected	20240.2	Detected	16084.6	Detected	Prpf6	0.701893873	0.88323442	0.95039056	1.1959325
A_55_P2106	540.4	Detected	312.7	Detected	418.1	Detected	379.3	Detected	2900097C17Rik	0.701887491	0.77368616	1.21298369	1.3370643
A_51_P2627	34.2	Detected	30.3	Detected	23.8	Detected	24	Not Detect	Cpb2	0.701754386	0.69590643	0.79207921	0.7854785
A_66_P1269	34.2	Detected	35	Detected	25.2	Detected	24	Not Detect	8430423G03Rik	0.701754386	0.73684211	0.68571429	0.72

A_52_P4329	1705.6	Detected	1284.4	Detected	1684.7	Detected	1196.9	Detected	Ddx11	0.701747186	0.98774625	0.93187481	1.311663
A_55_P2342	23.8	Detected	27.6	Detected	26.1	Detected	16.7	Not Detect	1700125G22Rik	0.701680672	1.09663866	0.60507246	0.9456522
A_51_P4817	23.8	Detected	67.9	Detected	23.1	Detected	16.7	Not Detect	Tcstv1	0.701680672	0.97058824	0.24594993	0.3402062
A_66_P1374	26.8	Detected	23	Detected	11.2	Not Detect	18.8	Not Detect	Zfp951	0.701492537	0.41791045	0.8173913	0.4869565
A_55_P1960	2398.3	Detected	1788.1	Detected	2585.1	Detected	1682.2	Detected	Trpt1	0.701413501	1.0778885	0.94077512	1.4457245
A_55_P2068	22.1	Detected	19.5	Detected	17.8	Detected	15.5	Not Detect	Vmn1r203	0.701357466	0.80542986	0.79487179	0.9128205
A_55_P1983	4872.1	Detected	4304.4	Detected	3791.3	Detected	3416.9	Detected	Desi1	0.701319759	0.77816547	0.79381563	0.8807964
A_55_P2125	466.8	Detected	300.4	Detected	371.7	Detected	327.3	Detected	Adam26b	0.701156812	0.79627249	1.08954727	1.2373502
A_52_P4750	307.5	Detected	230.4	Detected	277.9	Detected	215.6	Detected	Arsk	0.701138211	0.90373984	0.93576389	1.2061632
A_55_P2021	53.2	Detected	41.8	Detected	31.2	Detected	37.3	Not Detect	Celf4	0.70112782	0.58646617	0.8923445	0.7464115
A_55_P2305	55.2	Detected	59.6	Detected	58.2	Detected	38.7	Not Detect	A430105J06Rik	0.701086957	1.05434783	0.64932886	0.9765101
A_55_P2100	117.4	Detected	119.4	Detected	93.1	Detected	82.3	Detected	Auh	0.701022147	0.79301533	0.68927973	0.779732
A_55_P2011	86333.6	Detected	51220.6	Detected	46024.5	Detected	60517.6	Detected	Gm11223	0.700973897	0.53310067	1.181509	0.8985545
A_55_P1973	41.8	Detected	38.4	Detected	22.4	Detected	29.3	Not Detect	Ltbp1	0.700956938	0.53588517	0.76302083	0.5833333
A_55_P1995	2722	Detected	1889.5	Detected	2198.3	Detected	1907.9	Detected	Gm14322	0.700918442	0.8076047	1.00973803	1.1634295
A_52_P1175	1008.9	Detected	904.9	Detected	662.8	Detected	707.1	Detected	Casp3	0.700862325	0.65695312	0.78141231	0.7324566
A_65_P0876	2424.4	Detected	456.2	Detected	2861.2	Detected	1699	Detected	Fbln1	0.700791949	1.18016829	3.72424375	6.2718106
A_55_P2150	12.7	Not Detect	36.1	Detected	10.7	Not Detect	8.9	Not Detect	Cpne4	0.700787402	0.84251969	0.2465374	0.2963989
A_51_P4928	7640.4	Detected	6373	Detected	5671.9	Detected	5354	Detected	Cenph	0.700748652	0.74235642	0.8401067	0.889989
A_55_P1978	1981.2	Detected	968.7	Detected	1821.4	Detected	1388	Detected	Dcaf17	0.700585504	0.91934181	1.43284815	1.8802519
A_65_P1551	1221.7	Detected	835.6	Detected	849	Detected	855.9	Detected	Arfgap1	0.700581157	0.69493329	1.02429392	1.0160364
A_52_P1896	35.4	Detected	28.2	Detected	31.4	Detected	24.8	Not Detect	Olf1559	0.700564972	0.88700565	0.87943262	1.1134752
A_55_P2371	151.6	Detected	87.6	Detected	89.9	Detected	106.2	Detected	5930436O19Rik	0.700527704	0.59300792	1.21232877	1.0262557
A_55_P2071	58.1	Detected	55.9	Detected	59.4	Detected	40.7	Not Detect	Il21r	0.700516351	1.02237522	0.72808587	1.0626118
A_51_P2373	33.7	Detected	23	Detected	21.4	Detected	23.6	Not Detect	Olf1509	0.700296736	0.63501484	1.02608696	0.9304348
A_55_P1988	36	Detected	16.3	Not Detect	25.1	Detected	25.2	Not Detect	Ms4a4b	0.7	0.69722222	1.54601227	1.5398773
A_55_P2103	21	Detected	11.6	Not Detect	14.2	Not Detect	14.7	Not Detect	Bhmt	0.7	0.67619048	1.26724138	1.2241379
A_55_P2374	15	Detected	14.2	Not Detect	10.6	Not Detect	10.5	Not Detect	D9Erd788e	0.7	0.70666667	0.73943662	0.7464789
A_55_P2151	3423.1	Detected	2811.6	Detected	3468.9	Detected	2395.4	Detected	Matr3	0.699775058	1.01337969	0.85197041	1.2337815
A_55_P2046	1572.2	Detected	930.3	Detected	1235.6	Detected	1100.1	Detected	Slc25a25	0.699720137	0.7859051	1.18252177	1.3281737
A_55_P2121	79126.5	Detected	59137	Detected	64261.8	Detected	55365.3	Detected	Psmc3	0.699706167	0.81214005	0.93622098	1.0866598
A_52_P5182	825.6	Detected	550.1	Detected	823.4	Detected	577.6	Detected	Ndr3	0.699612403	0.99733527	1.04999091	1.4968188
A_51_P3917	21216.9	Detected	18862.2	Detected	17290.3	Detected	14843.4	Detected	Cbx6	0.699602675	0.81493055	0.78693896	0.916664
A_52_P5616	1812.2	Detected	1057.4	Detected	87.8	Detected	1267.7	Detected	Msx1	0.699536475	0.0484494	1.19888406	0.0830339
A_55_P2143	331.8	Detected	143.7	Detected	343.9	Detected	232.1	Detected	Gm5784	0.699517782	1.03646775	1.61517049	2.3931802
A_52_P3550	29116.3	Detected	26195.8	Detected	26677.6	Detected	20364.5	Detected	Wdr4	0.699419226	0.91624279	0.77739561	1.0183923
A_55_P1978	817.3	Detected	583.9	Detected	646.5	Detected	571.6	Detected	Trp53bp2	0.699375994	0.79101921	0.97893475	1.1072101
A_55_P1960	4089.7	Detected	4238.2	Detected	2208.1	Detected	2860.2	Detected	Slc16a13	0.699366702	0.53991735	0.67486197	0.5209995
A_51_P1155	29.6	Detected	21.5	Detected	9.7	Not Detect	20.7	Not Detect	Olf1339	0.699324324	0.3277027	0.9627907	0.4511628
A_55_P2018	15767.7	Detected	15103.8	Detected	18107.7	Detected	11025.9	Detected	2410127L17Rik	0.699271295	1.14840465	0.73000834	1.1988837

A_55_P2092	47621.8	Detected	34994.3	Detected	39343.7	Detected	33299.7	Detected	Adrm1	0.699253283	0.82616995	0.95157497	1.1242888
A_55_P2112	53.2	Detected	46.1	Detected	16.7	Not Detect	37.2	Not Detect	Ern1	0.69924812	0.31390977	0.80694143	0.362256
A_55_P2062	180.7	Detected	223.2	Detected	84.5	Detected	126.3	Detected	Tgtp2	0.698948533	0.4676259	0.56586022	0.3785842
A_55_P2060	1404.4	Detected	911.7	Detected	1306.6	Detected	981.6	Detected	Hira	0.698946169	0.93036172	1.07666996	1.4331469
A_55_P2322	17.6	Detected	15.7	Not Detect	12.4	Not Detect	12.3	Not Detect	A130042O14Rik	0.698863636	0.70454545	0.78343949	0.7898089
A_52_P6017	138.1	Detected	136.3	Detected	60.1	Detected	96.5	Detected	Mb21d1	0.698769008	0.43519189	0.70799707	0.4409391
A_66_P1234	10641.5	Detected	7129.9	Detected	10395.4	Detected	7433.9	Detected	Pigx	0.698576329	0.97687356	1.04263734	1.4580008
A_55_P2154	60835.1	Detected	43052.3	Detected	20694.9	Detected	42492.6	Detected	Bmp4	0.698488208	0.34018026	0.98699953	0.4806921
A_55_P2164	419.5	Detected	405.3	Detected	330.6	Detected	293	Detected	Raet1a	0.698450536	0.78808105	0.72292129	0.8156921
A_52_P5983	22143.5	Detected	21109	Detected	18348.8	Detected	15465.1	Detected	1500012F01Rik	0.698403595	0.82863143	0.73263063	0.8692406
A_55_P1953	33752.8	Detected	19877.1	Detected	18987.6	Detected	23572.7	Detected	Zdhhc18	0.69839243	0.56254888	1.18592249	0.95525
A_55_P2085	48981.4	Detected	34841.1	Detected	30243.3	Detected	34201.7	Detected	Inf2	0.698258931	0.61744458	0.98164811	0.8680352
A_55_P2160	51	Detected	88.2	Detected	46.5	Detected	35.6	Not Detect	Faim2	0.698039216	0.91176471	0.40362812	0.5272109
A_52_P4496	867.5	Detected	679	Detected	525.9	Detected	605.5	Detected	LOC668643	0.697982709	0.60622478	0.89175258	0.7745214
A_51_P1942	85.4	Detected	60.5	Detected	57.1	Detected	59.6	Detected	Sgcg	0.697892272	0.66861827	0.98512397	0.9438017
A_55_P2178	59566.9	Detected	67102.7	Detected	45590.3	Detected	41562.2	Detected	Ywhaq	0.697739852	0.76536298	0.61938193	0.6794108
A_55_P1994	19025.9	Detected	12189.5	Detected	19085.5	Detected	13274.9	Detected	Tpd52l2	0.697727834	1.00313257	1.08904385	1.5657328
A_51_P3429	222.3	Detected	1199.9	Detected	3.6	Not Detect	155.1	Detected	Omd	0.697705803	0.01619433	0.12926077	0.0030003
A_55_P1992	1217.6	Detected	508.6	Detected	1131.1	Detected	849.5	Detected	Ptprj	0.697683968	0.92895861	1.67027133	2.2239481
A_55_P2107	11.9	Not Detect	38.3	Detected	3.2	Not Detect	8.3	Not Detect	Olf323	0.697478992	0.26890756	0.21671018	0.0835509
A_55_P2012	65.1	Detected	39.8	Detected	33.3	Detected	45.4	Not Detect	Arid5b	0.697388633	0.51152074	1.14070352	0.8366834
A_55_P1957	348.3	Detected	264.9	Detected	336.2	Detected	242.9	Detected	Cpeb3	0.69738731	0.96525983	0.91694979	1.2691582
A_52_P4817	369.4	Detected	275.2	Detected	396.1	Detected	257.6	Detected	Cep78	0.697347049	1.07227937	0.93604651	1.4393169
A_52_P2176	842.1	Detected	682.6	Detected	528.5	Detected	587.2	Detected	Ankrd32	0.697304358	0.62759767	0.86024026	0.7742455
A_55_P1963	240.8	Detected	795.2	Detected	101.4	Detected	167.9	Detected	Gpc4	0.697259136	0.42109635	0.21114185	0.1275151
A_55_P2128	4207.2	Detected	1738	Detected	5291.1	Detected	2933.1	Detected	Nr1h3	0.697162008	1.25762978	1.68762946	3.0443613
A_52_P4560	15739.4	Detected	15037.2	Detected	16768.5	Detected	10969.9	Detected	Pfdn1	0.69697066	1.06538369	0.72951746	1.1151345
A_52_P9950	794.4	Detected	569.8	Detected	937.4	Detected	553.4	Detected	Scrn3	0.696626385	1.18001007	0.97121797	1.6451386
A_55_P2140	731.4	Detected	1001.7	Detected	701.6	Detected	509.5	Detected	Cyp21a1	0.696609243	0.95925622	0.50863532	0.7004093
A_55_P2116	37.9	Detected	32.4	Detected	42	Detected	26.4	Not Detect	AY074887	0.696569921	1.10817942	0.81481481	1.2962963
A_55_P2122	26304.9	Detected	19232.7	Detected	25732	Detected	18322.2	Detected	Dtymk	0.696531825	0.97822079	0.95265875	1.3379297
A_55_P2086	137.4	Detected	92.8	Detected	112.1	Detected	95.7	Detected	Fam3a	0.69650655	0.81586608	1.03125	1.2079741
A_55_P1968	674.4	Detected	489.2	Detected	452.8	Detected	469.6	Detected	Hjrp	0.696322657	0.67141163	0.95993459	0.9255928
A_51_P1256	5790.7	Detected	5022.8	Detected	4478.5	Detected	4031	Detected	Cdca4	0.696116186	0.77339527	0.80254042	0.8916341
A_55_P2124	3742	Detected	2209.9	Detected	1437.7	Detected	2603.5	Detected	Rusc2	0.695750935	0.38420631	1.17810761	0.6505724
A_55_P2171	18.4	Detected	21.7	Detected	24.8	Detected	12.8	Not Detect	Ube2t	0.695652174	1.34782609	0.58986175	1.1428571
A_51_P1079	623.4	Detected	402.5	Detected	564.2	Detected	433.6	Detected	Ubr1	0.695540584	0.90503689	1.07726708	1.4017391
A_55_P2034	1760.9	Detected	1416	Detected	1633.9	Detected	1224.7	Detected	9430008C03Rik	0.695496621	0.92787779	0.86490113	1.1538842
A_52_P1825	2056.8	Detected	1413	Detected	1290.3	Detected	1430.4	Detected	Ube2w	0.695449242	0.62733372	1.01231423	0.9131635
A_52_P6020	27.9	Detected	16.3	Not Detect	27.6	Detected	19.4	Not Detect	Csf1r	0.695340502	0.98924731	1.19018405	1.6932515

A_55_P2095	524.1	Detected	456.9	Detected	472.4	Detected	364.4	Detected	Gemin6	0.695287159	0.9013547	0.7975487	1.0339243
A_66_P1223	23.3	Detected	18.6	Detected	6.4	Not Detect	16.2	Not Detect	Gm10091	0.69527897	0.27467811	0.87096774	0.344086
A_55_P2305	293	Detected	160.2	Detected	97.9	Detected	203.7	Detected	D9Wsu90e	0.695221843	0.33412969	1.27153558	0.6111111
A_55_P2058	1147.5	Detected	1080.2	Detected	866.3	Detected	797.7	Detected	Raet1c	0.695163399	0.75494553	0.73847436	0.8019811
A_55_P1993	1160.5	Detected	1470.6	Detected	890.4	Detected	806.4	Detected	Npnt	0.6948729	0.76725549	0.54834761	0.6054672
A_55_P1957	1495.4	Detected	1529.8	Detected	1291.6	Detected	1039.1	Detected	Ttll11	0.69486425	0.86371539	0.67923912	0.8442934
A_51_P2705	1983	Detected	1617	Detected	1543.2	Detected	1377.5	Detected	Apitd1	0.694654564	0.77821483	0.85188621	0.9543599
A_65_P0661	7983.4	Detected	6529.2	Detected	7539.8	Detected	5544.9	Detected	Wtap	0.694553699	0.9444347	0.84924646	1.1547816
A_55_P2048	110923.9	Detected	85550.3	Detected	79995.6	Detected	77024.5	Detected	Cdk2ap1	0.694390479	0.72117551	0.90034167	0.9350709
A_55_P2026	247.7	Detected	215.7	Detected	275	Detected	172	Detected	Usp37	0.694388373	1.11021397	0.7974038	1.2749189
A_51_P1063	863.9	Detected	762.7	Detected	424.9	Detected	599.8	Detected	Prkd3	0.694293321	0.49183933	0.78641668	0.5570998
A_55_P1984	1285.7	Detected	1149	Detected	989.2	Detected	892.6	Detected	Desi1	0.694252158	0.76938633	0.77684943	0.8609225
A_52_P4800	206.6	Detected	278.1	Detected	397.4	Detected	143.4	Detected	Col27a1	0.694094869	1.92352372	0.51564186	1.4289824
A_55_P2161	1447.7	Detected	1057.4	Detected	1183.1	Detected	1004.8	Detected	Prr3	0.69406645	0.81722733	0.95025534	1.1188765
A_52_P1037	13.4	Not Detect	3.2	Not Detect	32.4	Detected	9.3	Not Detect	Gm10664	0.694029851	2.41791045	2.90625	10.125
A_52_P2973	1854.6	Detected	1086.5	Detected	1252.7	Detected	1287	Detected	Aida	0.693950178	0.67545562	1.18453751	1.1529682
A_55_P2093	971.4	Detected	523.8	Detected	797	Detected	674.1	Detected	Pip4k2a	0.693946881	0.82046531	1.28694158	1.5215731
A_52_P2701	11336.3	Detected	9545.9	Detected	7998.6	Detected	7863.9	Detected	E2f6	0.693691945	0.70557413	0.8237987	0.8379095
A_55_P1994	201.3	Detected	125.1	Detected	128	Detected	139.6	Detected	Gm5141	0.6934923	0.63586687	1.11590727	1.0231815
A_66_P1066	14906.5	Detected	9005.6	Detected	8515.9	Detected	10337.4	Detected	Camsap1	0.693482709	0.57128769	1.14788576	0.9456227
A_55_P2027	16.3	Detected	3.3	Not Detect	13.5	Not Detect	11.3	Not Detect	Impg2	0.693251534	0.82822086	3.42424242	4.0909091
A_51_P1748	23569	Detected	20848.3	Detected	16332.8	Detected	16337.4	Detected	Maged1	0.693173236	0.69297806	0.78363224	0.7834116
A_55_P2019	81905.6	Detected	59214.4	Detected	76299.4	Detected	56756.4	Detected	Trpc4ap	0.692948956	0.93155291	0.95848983	1.2885278
A_55_P2056	4225.5	Detected	2529.8	Detected	2953.8	Detected	2928	Detected	Kif2a	0.692935747	0.69904153	1.15740375	1.1676022
A_55_P2164	6059.1	Detected	5675.7	Detected	5404.8	Detected	4198.1	Detected	Dtl	0.692858675	0.89201367	0.73966207	0.9522702
A_55_P1969	242.2	Detected	149.2	Detected	202.2	Detected	167.8	Detected	Zfp748	0.692815855	0.83484723	1.12466488	1.3552279
A_66_P1236	722	Detected	648.7	Detected	620.1	Detected	500.2	Detected	Ptbp2	0.692797784	0.85886427	0.77108062	0.9559118
A_55_P2105	15085.1	Detected	13375.2	Detected	8362	Detected	10448.2	Detected	Pdlim7	0.692617218	0.55432181	0.78116215	0.6251869
A_55_P2108	2159.1	Detected	1408.4	Detected	1635.1	Detected	1495.4	Detected	Tubgcp4	0.6926034	0.75730629	1.06177222	1.1609628
A_55_P2024	1165.9	Detected	1018.2	Detected	1039.3	Detected	807.3	Detected	Mthfr	0.692426452	0.89141436	0.79286977	1.0207228
A_55_P1952	23.4	Detected	18.8	Detected	20.3	Detected	16.2	Not Detect	Car10	0.692307692	0.86752137	0.86170213	1.0797872
A_51_P4432	1481.9	Detected	970.7	Detected	1129.3	Detected	1025.9	Detected	Decr2	0.692286929	0.76206222	1.05686618	1.1633872
A_55_P1956	61203.9	Detected	50636.5	Detected	47687	Detected	42370.4	Detected	Rab34	0.692282681	0.77914969	0.83675609	0.9417515
A_55_P1983	8274.9	Detected	6812	Detected	7722.7	Detected	5728.3	Detected	Tmed5	0.692250057	0.93326808	0.84091309	1.1336905
A_55_P2326	3524.6	Detected	2529.8	Detected	2349.8	Detected	2439.7	Detected	Ube2i	0.692192022	0.66668558	0.96438454	0.9288481
A_51_P1934	8272.7	Detected	5850.7	Detected	6409.8	Detected	5725.7	Detected	Fbxo21	0.692119864	0.77481354	0.97863504	1.0955612
A_51_P4814	249.7	Detected	65.4	Detected	357.2	Detected	172.8	Detected	Dram1	0.692030437	1.43051662	2.64220183	5.4617737
A_51_P2513	29153.4	Detected	32591.7	Detected	18912.8	Detected	20172.7	Detected	Ctps	0.691950167	0.64873394	0.61895206	0.580295
A_51_P2759	3575.5	Detected	3087.6	Detected	3994.4	Detected	2473.9	Detected	Loxl2	0.69190323	1.11715844	0.80123721	1.2936909
A_55_P1959	59059.6	Detected	35281	Detected	46993.2	Detected	40860.8	Detected	Dnpep	0.691857039	0.79569113	1.15815311	1.331969

A_55_P2170	63.9	Detected	50	Detected	45.9	Detected	44.2	Not Detect	Gm5115	0.69170579	0.71830986	0.884	0.918
A_51_P2952	779.4	Detected	1628.8	Detected	640.7	Detected	539.1	Detected	Lrp11	0.691685912	0.8220426	0.33097986	0.3933571
A_55_P2211	49.6	Detected	19.4	Detected	69.3	Detected	34.3	Not Detect	9430018G01Rik	0.691532258	1.39717742	1.76804124	3.5721649
A_55_P2002	18.8	Detected	14.8	Not Detect	9.1	Not Detect	13	Not Detect	1810053B23Rik	0.691489362	0.48404255	0.87837838	0.6148649
A_52_P1394	71.3	Detected	58	Detected	28	Detected	49.3	Not Detect	Tmem221	0.6914446	0.39270687	0.85	0.4827586
A_66_P1131	28.5	Detected	33.5	Detected	31.1	Detected	19.7	Not Detect	Gsdmcl1	0.69122807	1.09122807	0.5880597	0.9283582
A_55_P1997	4873.6	Detected	4074.5	Detected	3988.2	Detected	3368.3	Detected	Cwc22	0.691131812	0.81832731	0.82667812	0.9788195
A_55_P2096	17.8	Detected	28.8	Detected	11.7	Not Detect	12.3	Not Detect	Loxl1	0.691011236	0.65730337	0.42708333	0.40625
A_55_P1989	12166.5	Detected	9804.8	Detected	9628.3	Detected	8407.1	Detected	Smarge1	0.691003986	0.79137796	0.85744737	0.9819986
A_55_P2119	1349.2	Detected	795.2	Detected	1223.9	Detected	932.2	Detected	1110034G24Rik	0.690927957	0.90713015	1.1722837	1.5391097
A_55_P2002	26081.5	Detected	10540.9	Detected	49765.7	Detected	18018.4	Detected	Ephx1	0.690849836	1.90808427	1.70937965	4.7212003
A_52_P7162	236.4	Detected	201.1	Detected	170.3	Detected	163.3	Detected	Olf1410	0.690778342	0.72038917	0.81203381	0.8468424
A_55_P1974	3059.9	Detected	1428.4	Detected	2000	Detected	2113.6	Detected	Zbtb18	0.690741528	0.65361613	1.47969756	1.400168
A_55_P2075	33.3	Detected	20.9	Detected	30.5	Detected	23	Not Detect	Asphd1	0.690690691	0.91591592	1.10047847	1.4593301
A_55_P1974	3451.5	Detected	2789.5	Detected	3239.2	Detected	2383.7	Detected	Sft2d1	0.690627264	0.93849051	0.8545259	1.1612117
A_52_P3933	1324.4	Detected	908	Detected	1257	Detected	914.6	Detected	Snap23	0.690576865	0.94910903	1.00726872	1.3843612
A_51_P2884	274.7	Detected	205.8	Detected	286.7	Detected	189.7	Detected	Slc25a29	0.690571533	1.04368402	0.92176871	1.3931001
A_55_P2047	2308.1	Detected	2275.4	Detected	2129.4	Detected	1593.9	Detected	Uxs1	0.690568	0.92257701	0.70049222	0.9358355
A_55_P2260	96.3	Detected	69.7	Detected	27	Detected	66.5	Detected	Ctps2	0.690550363	0.28037383	0.95408895	0.3873745
A_55_P2077	5617.6	Detected	4068.3	Detected	4292	Detected	3879.1	Detected	Cenpk	0.690526203	0.76402734	0.95349409	1.0549861
A_55_P1969	331.5	Detected	258.4	Detected	285	Detected	228.9	Detected	Atp9b	0.690497738	0.85972851	0.88583591	1.1029412
A_55_P1995	58.8	Detected	31.4	Detected	38.7	Detected	40.6	Not Detect	Nxf2	0.69047619	0.65816327	1.29299363	1.2324841
A_51_P4885	857.4	Detected	1017	Detected	522.6	Detected	592	Detected	Appl1	0.690459529	0.60951714	0.58210423	0.5138643
A_52_P4579	466.3	Detected	379.9	Detected	564.8	Detected	321.9	Detected	Trerf1	0.690328115	1.2112374	0.84732824	1.486707
A_55_P1982	5905.2	Detected	3955.1	Detected	5632.7	Detected	4076.2	Detected	Rtfdc1	0.69027298	0.95385423	1.03061869	1.4241612
A_55_P2115	35.5	Detected	26.9	Detected	35.6	Detected	24.5	Not Detect	Pdhx	0.690140845	1.0028169	0.91078067	1.3234201
A_55_P1989	123743.6	Detected	53764	Detected	95059.5	Detected	85393.4	Detected	Fam129b	0.690083366	0.7681973	1.58830072	1.7680883
A_55_P2086	1909.9	Detected	823.2	Detected	1725.8	Detected	1317.8	Detected	Ube2h	0.689983769	0.90360752	1.60082604	2.0964529
A_55_P1973	30.3	Detected	29.6	Detected	22.5	Detected	20.9	Not Detect	AI507597	0.689768977	0.74257426	0.70608108	0.7601351
A_55_P1977	17.4	Detected	12.8	Not Detect	5	Not Detect	12	Not Detect	Ptprn2	0.689655172	0.28735632	0.9375	0.390625
A_55_P1962	14.5	Detected	17.4	Not Detect	3.5	Not Detect	10	Not Detect	Trem2	0.689655172	0.24137931	0.57471264	0.2011494
A_55_P1967	53.8	Detected	37.7	Detected	34.2	Detected	37.1	Not Detect	Kmt2d	0.689591078	0.63568773	0.98408488	0.9071618
A_55_P2072	115	Detected	63.2	Detected	104.1	Detected	79.3	Detected	Vsig10	0.689565217	0.90521739	1.25474684	1.6471519
A_55_P2356	230.6	Detected	168.6	Detected	193.1	Detected	159	Detected	1600020E01Rik	0.689505637	0.83738075	0.9430605	1.1453144
A_55_P2179	1040.4	Detected	1050.6	Detected	408	Detected	717.3	Detected	Gem	0.689446367	0.39215686	0.68275271	0.3883495
A_51_P4233	93.7	Detected	88.2	Detected	100	Detected	64.6	Detected	Katnal2	0.689434365	1.06723586	0.7324263	1.1337868
A_52_P6013	10040.5	Detected	6478.1	Detected	9025.9	Detected	6922	Detected	Cd9912	0.689407898	0.89894926	1.06852318	1.3932943
A_55_P2175	3674.8	Detected	1997.8	Detected	1676	Detected	2532.3	Detected	Cep250	0.689098726	0.45607924	1.2675443	0.8389228
A_55_P2069	60538	Detected	46818.4	Detected	59348.6	Detected	41715.6	Detected	Ddx39b	0.689081238	0.98035284	0.89100866	1.2676341
A_52_P4773	3285.1	Detected	2369.1	Detected	2919.4	Detected	2263.7	Detected	Csnk1d	0.689081002	0.88867919	0.95551053	1.2322823

A_65_P0897	5619.2	Detected	7172.1	Detected	2005	Detected	3871.1	Detected	F3	0.688905894	0.35681236	0.53974429	0.2795555
A_55_P2002	13.5	Not Detect	24.8	Detected	3.3	Not Detect	9.3	Not Detect	Smoc2	0.688888889	0.24444444	0.375	0.1330645
A_52_P1518	27.3	Detected	27.4	Detected	21.8	Detected	18.8	Not Detect	Ttc26	0.688644689	0.7985348	0.68613139	0.7956204
A_55_P2175	33.4	Detected	36.1	Detected	32.9	Detected	23	Not Detect	Ftx	0.688622754	0.98502994	0.63711911	0.9113573
A_51_P3800	1253.3	Detected	1017	Detected	861.1	Detected	863	Detected	Bcl2	0.688582143	0.68706615	0.84857424	0.846706
A_55_P1953	10528.7	Detected	9692.1	Detected	8069	Detected	7249.8	Detected	Rab12	0.688575038	0.76638141	0.74801127	0.8325337
A_51_P1672	641.1	Detected	421.5	Detected	429.4	Detected	441.4	Detected	Cask	0.688504134	0.6697863	1.04721234	1.0187426
A_55_P2088	3487	Detected	2988	Detected	3935.8	Detected	2400.8	Detected	Ctdsp2	0.688500143	1.12870662	0.80348059	1.3172021
A_51_P2924	1259	Detected	674.2	Detected	796.8	Detected	866.8	Detected	Ttbk2	0.688482923	0.63288324	1.28567191	1.1818451
A_55_P2002	32.1	Detected	29.2	Detected	21.9	Detected	22.1	Not Detect	Gm10510	0.68847352	0.68224299	0.75684932	0.75
A_55_P2000	222576.9	Detected	180239.4	Detected	187249	Detected	153234.7	Detected	Cd63	0.688457338	0.84127778	0.85017316	1.0388905
A_55_P2049	6988	Detected	4042	Detected	4836.7	Detected	4810.6	Detected	Rab22a	0.688408701	0.69214367	1.19015339	1.1966106
A_51_P1115	45794.9	Detected	34801.3	Detected	38006	Detected	31523.8	Detected	Srp14	0.688369229	0.82991774	0.90582248	1.0920856
A_55_P2003	607.7	Detected	402.8	Detected	586.7	Detected	418.3	Detected	Unkl	0.688333059	0.96544348	1.03848064	1.4565541
A_52_P9036	134.1	Detected	112.7	Detected	114.7	Detected	92.3	Detected	Ifi2712a	0.688292319	0.85533184	0.81898846	1.0177462
A_52_P5373	9572.7	Detected	8204.4	Detected	7233.7	Detected	6587.7	Detected	Dimt1	0.68817575	0.75565932	0.8029472	0.8816854
A_55_P2133	640.4	Detected	357	Detected	372.5	Detected	440.7	Detected	Steap2	0.688163648	0.58166771	1.23445378	1.0434174
A_55_P2043	66.7	Detected	47.4	Detected	63.6	Detected	45.9	Not Detect	Colq	0.688155922	0.95352324	0.96835443	1.3417722
A_51_P3087	4817.5	Detected	4357	Detected	2690.1	Detected	3315	Detected	Fosl1	0.688116243	0.55840166	0.76084462	0.6174202
A_55_P2050	11242.6	Detected	8683.1	Detected	9505.4	Detected	7735.8	Detected	Nfkbil1	0.68807927	0.84548058	0.89090302	1.0947012
A_55_P2172	2316.6	Detected	1808.8	Detected	1290.4	Detected	1594	Detected	Zxdb	0.688077355	0.55702322	0.88124724	0.7134011
A_55_P2150	4516.5	Detected	3547.4	Detected	5454.6	Detected	3107.5	Detected	Otub1	0.688032769	1.20770508	0.87599369	1.5376332
A_51_P5112	8964.4	Detected	9002.1	Detected	4900.9	Detected	6167.8	Detected	Fam46b	0.688032663	0.54670697	0.68515124	0.5444174
A_55_P2313	556.4	Detected	452.6	Detected	460.4	Detected	382.8	Detected	Zbed6	0.687994249	0.82746226	0.84577994	1.0172338
A_55_P2172	233.6	Detected	183.4	Detected	124.6	Detected	160.7	Detected	Mfn2	0.687928082	0.53339041	0.87622683	0.6793893
A_55_P2057	91	Detected	72.1	Detected	136.8	Detected	62.6	Detected	9130011E15Rik	0.687912088	1.5032967	0.86823856	1.8973648
A_55_P1963	16947.4	Detected	10122.7	Detected	14505.4	Detected	11655.7	Detected	Vps16	0.687757414	0.8559071	1.15144181	1.4329576
A_66_P1157	4498.8	Detected	3987.3	Detected	2721.8	Detected	3093.5	Detected	Mthfd2l	0.687627812	0.60500578	0.77583829	0.6826173
A_55_P1953	43.2	Detected	44.6	Detected	34.7	Detected	29.7	Not Detect	Ttll7	0.6875	0.80324074	0.66591928	0.7780269
A_55_P2074	3146	Detected	2084.3	Detected	1921	Detected	2162.8	Detected	Dhx57	0.68747616	0.61061666	1.03766252	0.9216524
A_55_P2087	3190.8	Detected	2451.6	Detected	4269	Detected	2193.5	Detected	Abhd12	0.687445155	1.33790899	0.89472181	1.7413118
A_55_P2130	1606	Detected	1100.5	Detected	1272.1	Detected	1104	Detected	Nmt2	0.687422167	0.79209215	1.00318037	1.1559291
A_66_P1379	2791.3	Detected	2687.6	Detected	2552.2	Detected	1918.6	Detected	Tctn2	0.68734998	0.91434099	0.71387111	0.9496205
A_52_P6500	16.3	Detected	16.2	Not Detect	8.8	Not Detect	11.2	Not Detect	Plxna4	0.687116564	0.5398773	0.69135802	0.5432099
A_55_P2131	4120.4	Detected	2545.2	Detected	2996.5	Detected	2830.6	Detected	Plk1s1	0.686972139	0.72723522	1.11213264	1.1773142
A_52_P5572	26.5	Detected	15.8	Not Detect	17.3	Not Detect	18.2	Not Detect	Adamts10	0.686792453	0.65283019	1.15189873	1.0949367
A_55_P2137	18641.5	Detected	12086	Detected	13049.1	Detected	12795.5	Detected	Rtel1	0.686398627	0.70000268	1.05870429	1.0796872
A_55_P1994	16.9	Detected	11.4	Not Detect	19.3	Detected	11.6	Not Detect	Shank1	0.686390533	1.14201183	1.01754386	1.6929825
A_55_P2319	8494.8	Detected	6199.4	Detected	5179.3	Detected	5828.6	Detected	Plekha3	0.686137402	0.60970241	0.94018776	0.8354518
A_55_P2111	970.3	Detected	752.4	Detected	808.8	Detected	665.6	Detected	Hat1	0.68597341	0.83355663	0.88463583	1.0749601

A_55_P1961	71.3 Detected	63.7 Detected	48.6 Detected	48.9 Not Detect	Ctsk	0.685834502	0.68162693	0.76766091	0.7629513
A_51_P4239	396.4 Detected	244.4 Detected	247.5 Detected	271.8 Detected	Crem	0.685671039	0.62436932	1.11211129	1.0126841
A_51_P4685	24907.4 Detected	20102.1 Detected	22157.5 Detected	17076.3 Detected	Smchd1	0.685591431	0.88959506	0.84947841	1.102248
A_51_P4703	19.4 Detected	6.7 Not Detect	17.1 Not Detect	13.3 Not Detect	Nkx1-2	0.68556701	0.8814433	1.98507463	2.5522388
A_55_P2185	394.6 Detected	78.9 Detected	302.3 Detected	270.5 Detected	Nnmt	0.685504308	0.76609225	3.42839037	3.8314322
A_55_P1998	21.3 Detected	14 Not Detect	13.5 Not Detect	14.6 Not Detect	Spef2	0.685446009	0.63380282	1.04285714	0.9642857
A_55_P2380	57.2 Detected	74.7 Detected	27 Detected	39.2 Not Detect	4933433H22Rik	0.685314685	0.47202797	0.52476573	0.3614458
A_55_P2052	939 Detected	581.4 Detected	688.7 Detected	643.4 Detected	Gm14393	0.685197018	0.73343983	1.10663915	1.1845545
A_55_P2027	945.8 Detected	1065.5 Detected	136.1 Detected	647.9 Detected	Rgs3	0.685028547	0.14389934	0.60807133	0.1277335
A_55_P2138	267.2 Detected	217.8 Detected	130.1 Detected	183 Detected	Psd3	0.68488024	0.4869012	0.84022039	0.597337
A_52_P5640	46 Detected	35.5 Detected	45.9 Detected	31.5 Not Detect	Etl4	0.684782609	0.99782609	0.88732394	1.2929577
A_55_P2136	267.7 Detected	194.5 Detected	202.6 Detected	183.3 Detected	Zfp120	0.684721703	0.75681733	0.94241645	1.0416452
A_55_P2004	3599 Detected	2345.7 Detected	1732.4 Detected	2464.3 Detected	Pitpnm2	0.684717977	0.48135593	1.0505606	0.7385429
A_51_P4217	50.1 Detected	38.4 Detected	33.2 Detected	34.3 Not Detect	Shroom4	0.684630739	0.66267465	0.89322917	0.8645833
A_55_P2087	67430.6 Detected	53476.7 Detected	72523.1 Detected	46161.6 Detected	Ier3ip1	0.684579405	1.07552209	0.86320958	1.3561626
A_55_P2005	16.8 Detected	20.9 Detected	20.9 Detected	11.5 Not Detect	Acyp2	0.68452381	1.24404762	0.55023923	1
A_51_P2418	48.8 Detected	39.2 Detected	12.6 Not Detect	33.4 Not Detect	Tmem202	0.68442623	0.25819672	0.85204082	0.3214286
A_52_P5215	4672.2 Detected	3627.4 Detected	2431.4 Detected	3194.3 Detected	Trio	0.683682205	0.52039724	0.88060319	0.6702873
A_51_P1290	62925 Detected	51431 Detected	45903.9 Detected	43020.5 Detected	B2m	0.683678983	0.72950179	0.83647022	0.8925337
A_55_P2052	41.7 Detected	36.6 Detected	38 Detected	28.5 Not Detect	Cdc23	0.683453237	0.91127098	0.77868852	1.0382514
A_55_P2036	1796.3 Detected	1181.5 Detected	1211.5 Detected	1227.6 Detected	Elp4	0.683404776	0.67444191	1.0390182	1.0253915
A_52_P3664	42 Detected	35.7 Detected	48.9 Detected	28.7 Not Detect	Pyy	0.683333333	1.16428571	0.80392157	1.3697479
A_52_P1578	18624.4 Detected	17975.3 Detected	15920.4 Detected	12725.6 Detected	LOC101056611	0.683275703	0.85481411	0.70794924	0.885682
A_51_P4949	105.7 Detected	141.5 Detected	45.7 Detected	72.2 Detected	Runx3	0.683065279	0.43235572	0.51024735	0.3229682
A_55_P2178	1515.5 Detected	378.9 Detected	1666.2 Detected	1035.1 Detected	Ugt1a10	0.683008908	1.09943913	2.73185537	4.3974663
A_51_P4762	976 Detected	638.1 Detected	839.8 Detected	666.6 Detected	Zfp120	0.682991803	0.86045082	1.04466385	1.3160947
A_55_P2140	118904 Detected	53207.2 Detected	99014.5 Detected	81194.6 Detected	Fam129b	0.68285844	0.8327264	1.52600776	1.860923
A_55_P2032	571.8 Detected	448.6 Detected	435.4 Detected	390.3 Detected	Zfp715	0.682581322	0.76145505	0.87004012	0.9705751
A_55_P2058	7181.7 Detected	3119.1 Detected	13692.8 Detected	4902 Detected	Aldh3b1	0.682568194	1.90662378	1.57160719	4.3899843
A_55_P1979	71707.7 Detected	59302 Detected	56779.9 Detected	48945 Detected	Eif3m	0.682562682	0.79182431	0.82535159	0.9574702
A_51_P3354	6619.4 Detected	5773.4 Detected	6975.1 Detected	4517.7 Detected	1810055G02Rik	0.682493882	1.05373599	0.78250251	1.2081442
A_55_P2079	221279.2 Detected	171637.5 Detected	218971.1 Detected	151021 Detected	Gm5963	0.682490718	0.98956929	0.87988348	1.2757766
A_51_P5130	1008.1 Detected	535.3 Detected	1005.8 Detected	688 Detected	B630019K06Rik	0.682471977	0.99771848	1.2852606	1.8789464
A_55_P2113	74.6 Detected	58.8 Detected	50.6 Detected	50.9 Not Detect	Tmem87a	0.68230563	0.67828418	0.86564626	0.8605442
A_51_P1579	475.1 Detected	446.8 Detected	56.8 Detected	324.1 Detected	Fam115a	0.682172174	0.11955378	0.72538048	0.1271262
A_55_P2158	12.9 Not Detect	140.6 Detected	3.2 Not Detect	8.8 Not Detect	Angpt1	0.682170543	0.24806202	0.0625889	0.0227596
A_52_P1094	10115.8 Detected	10245.3 Detected	8753.6 Detected	6900.2 Detected	Cebpz	0.682121038	0.86533937	0.67349907	0.8544015
A_55_P2146	15.1 Not Detect	20.7 Detected	16.7 Not Detect	10.3 Not Detect	Olfir247	0.682119205	1.10596026	0.49758454	0.8067633
A_52_P4870	1969.3 Detected	1683.2 Detected	1233.2 Detected	1343.2 Detected	Smg7	0.682069771	0.62621236	0.7980038	0.7326521
A_55_P2119	36.8 Detected	37.8 Detected	25.7 Detected	25.1 Not Detect	1110025L11Rik	0.682065217	0.69836957	0.66402116	0.6798942

A_51_P1314	129069.5	Detected	144797.8	Detected	97075.1	Detected	88026.1	Detected	Tnfrsf12a	0.682005431	0.75211495	0.60792429	0.6704183
A_55_P2072	10767	Detected	6483.8	Detected	7118.5	Detected	7342.7	Detected	Ncoa6	0.681963407	0.66114052	1.13246861	1.0978901
A_55_P2089	39.6	Detected	31.6	Detected	33.6	Detected	27	Not Detect	Shank3	0.681818182	0.84848485	0.85443038	1.0632911
A_55_P1989	36103	Detected	11624.4	Detected	26646.5	Detected	24613.2	Detected	Sqrdl	0.681749439	0.73806886	2.1173738	2.2922904
A_55_P2123	91871.4	Detected	68702.1	Detected	72428.7	Detected	62626.7	Detected	Rbbp7	0.681677867	0.78837048	0.91156893	1.0542429
A_55_P2037	1252.4	Detected	745.7	Detected	926.2	Detected	853.5	Detected	Agap1	0.681491536	0.73954008	1.14456216	1.2420544
A_66_P1005	24984.5	Detected	20881.3	Detected	23669.1	Detected	17021.7	Detected	Bnip2	0.6812904	0.94735136	0.81516476	1.133507
A_51_P1829	325.9	Detected	286.8	Detected	366.1	Detected	222	Detected	Map3k2	0.681190549	1.12335072	0.77405858	1.2764993
A_52_P3059	227.4	Detected	102.7	Detected	177.2	Detected	154.9	Detected	Mlit4	0.68117854	0.77924362	1.50827653	1.7254138
A_55_P2183	9074.9	Detected	8389.1	Detected	6901	Detected	6179.8	Detected	Rdx	0.680977201	0.76044915	0.73664636	0.8226151
A_55_P2064	10778.6	Detected	7025.8	Detected	9091.8	Detected	7339.9	Detected	Furin	0.680969699	0.84350472	1.04470665	1.294059
A_55_P2068	216.2	Detected	144.4	Detected	172.4	Detected	147.2	Detected	Farp2	0.680851064	0.79740981	1.01939058	1.1939058
A_66_P1007	8082.3	Detected	5593.7	Detected	7122.4	Detected	5502.8	Detected	Katnbl1	0.680845799	0.8812343	0.98374958	1.2732896
A_55_P1986	595	Detected	533	Detected	484.8	Detected	405.1	Detected	Suco	0.680840336	0.81478992	0.76003752	0.9095685
A_51_P2548	6776	Detected	4192.8	Detected	4159.7	Detected	4612.4	Detected	Kif4	0.680696576	0.61388725	1.10007632	0.9921055
A_52_P5107	4539.5	Detected	4304	Detected	4755.5	Detected	3087.4	Detected	Tbl3	0.680118956	1.04758233	0.71733271	1.1049024
A_55_P1968	15	Not Detect	33.7	Detected	6.7	Not Detect	10.2	Not Detect	Anks1b	0.68	0.44666667	0.30267062	0.1988131
A_51_P1633	33209.3	Detected	28463.1	Detected	31433.4	Detected	22573.1	Detected	Zwint	0.679722246	0.94652402	0.79306541	1.1043562
A_52_P1614	3803.5	Detected	4053.4	Detected	3700.7	Detected	2585.1	Detected	Bcl6	0.679663468	0.97297226	0.63776089	0.9129866
A_55_P2179	1072.7	Detected	937.3	Detected	683.4	Detected	728.8	Detected	Ppig	0.679407104	0.63708399	0.77755254	0.7291155
A_55_P2003	232	Detected	340.9	Detected	181.5	Detected	157.6	Detected	Zscan4e	0.679310345	0.78232759	0.46230566	0.5324142
A_55_P2158	42.4	Detected	38.1	Detected	30.7	Detected	28.8	Not Detect	Gm14243	0.679245283	0.7240566	0.75590551	0.8057743
A_55_P1982	4048.5	Detected	2556.7	Detected	3312.3	Detected	2749.9	Detected	C78339	0.679239224	0.81815487	1.07556616	1.2955372
A_55_P2087	349.4	Detected	286.4	Detected	293	Detected	237.3	Detected	Patz1	0.679164282	0.83858042	0.82856145	1.0230447
A_52_P6860	1634.3	Detected	921.9	Detected	893.5	Detected	1109.8	Detected	Phf2	0.679067491	0.54671725	1.2038182	0.9691941
A_55_P2113	27964.7	Detected	19089.4	Detected	16237.9	Detected	18988.6	Detected	Tmem132a	0.679020336	0.58065704	0.99471958	0.8506239
A_55_P2167	16.2	Detected	6.4	Not Detect	5.8	Not Detect	11	Not Detect	Dmd	0.679012346	0.35802469	1.71875	0.90625
A_55_P2066	16.2	Detected	15.2	Not Detect	12.8	Not Detect	11	Not Detect	AB124611	0.679012346	0.79012346	0.72368421	0.8421053
A_51_P2928	10911.1	Detected	7022.3	Detected	9285.8	Detected	7408.7	Detected	Snrnp200	0.679005783	0.8510416	1.05502471	1.3223303
A_55_P2050	127.4	Detected	79	Detected	149.4	Detected	86.5	Detected	Serinc4	0.678963893	1.17268446	1.09493671	1.8911392
A_66_P1389	1758.2	Detected	1090.9	Detected	1608.3	Detected	1193.6	Detected	Lpin2	0.678876123	0.91474235	1.09414245	1.4742873
A_55_P2166	418.9	Detected	355.3	Detected	368.8	Detected	284.3	Detected	Cd44	0.678682263	0.88040105	0.80016887	1.0379961
A_51_P2194	504.1	Detected	239.3	Detected	405	Detected	342.1	Detected	Tsku	0.678635191	0.80341202	1.42958629	1.6924363
A_52_P5286	5329.9	Detected	5942.8	Detected	5239.5	Detected	3616.9	Detected	Ttc27	0.678605602	0.98303908	0.60861883	0.8816551
A_66_P1134	115.7	Detected	91.5	Detected	94.8	Detected	78.5	Detected	9130011E15Rik	0.678478825	0.81936041	0.8579235	1.0360656
A_55_P1953	53.8	Detected	221.3	Detected	31.8	Detected	36.5	Not Detect	Foxn1	0.678438662	0.59107807	0.16493448	0.1436963
A_55_P2140	19.9	Detected	18.9	Detected	16.8	Not Detect	13.5	Not Detect	Creg2	0.67839196	0.84422111	0.71428571	0.8888889
A_51_P2961	8436	Detected	5450.3	Detected	8190.4	Detected	5722.2	Detected	Rhot2	0.678307255	0.97088668	1.04988716	1.502743
A_51_P2622	82	Detected	134.2	Detected	83	Detected	55.6	Detected	Itgb2	0.67804878	1.01219512	0.414307	0.6184799
A_55_P1985	47.8	Detected	37.5	Detected	24.9	Detected	32.4	Not Detect	Gm10375	0.677824268	0.5209205	0.864	0.664

A_55_P2360	958.4 Detected	809.6 Detected	603.1 Detected	649.6 Detected	BC005561	0.677796327	0.62927796	0.80237154	0.7449358
A_52_P6975	4613.1 Detected	3772.9 Detected	4422.9 Detected	3125.9 Detected	Mterfd2	0.677613752	0.95876959	0.82851388	1.1722813
A_55_P2038	1240.4 Detected	689.3 Detected	1054.8 Detected	840.5 Detected	C3	0.677603999	0.85037085	1.21935297	1.5302481
A_66_P1293	255.5 Detected	210 Detected	197.3 Detected	173.1 Detected	Gm7644	0.677495108	0.77221135	0.82428571	0.9395238
A_55_P2070	2067.5 Detected	1723.1 Detected	1562.8 Detected	1400.6 Detected	5830416P10Rik	0.677436518	0.75588875	0.81283733	0.90697
A_55_P2110	12.4 Not Detect	26.3 Detected	13.9 Not Detect	8.4 Not Detect	Slc37a2	0.677419355	1.12096774	0.31939163	0.5285171
A_55_P2118	1459.9 Detected	739.5 Detected	1264.1 Detected	988.9 Detected	Tnks2	0.677375163	0.86588122	1.3372549	1.7093982
A_52_P3442	29880.9 Detected	27305.3 Detected	17406.8 Detected	20240.3 Detected	F2r	0.677365809	0.58253935	0.74125902	0.637488
A_55_P1992	18.9 Detected	10 Not Detect	6.7 Not Detect	12.8 Not Detect	Gm11567	0.677248677	0.35449735	1.28	0.67
A_51_P4987	19.5 Detected	29.5 Detected	22.8 Detected	13.2 Not Detect	1700019D03Rik	0.676923077	1.16923077	0.44745763	0.7728814
A_51_P3925	14143.8 Detected	12741.8 Detected	10285.4 Detected	9573.9 Detected	Haus3	0.676897298	0.72720202	0.75137736	0.8072172
A_55_P2185	16.4 Detected	9.2 Not Detect	19.1 Detected	11.1 Not Detect	Tmsb15a	0.676829268	1.16463415	1.20652174	2.076087
A_55_P2115	2886.7 Detected	2081.9 Detected	1689 Detected	1953.8 Detected	Tmem63b	0.676828212	0.58509717	0.93846967	0.8112782
A_55_P2085	5447.2 Detected	4703.4 Detected	1429.3 Detected	3684.7 Detected	Nfix	0.676439272	0.26239169	0.783412	0.3038866
A_55_P1995	3704.1 Detected	2546.4 Detected	2793.3 Detected	2505.3 Detected	Gm14431	0.67635863	0.75411031	0.98385957	1.0969604
A_55_P2102	224.6 Detected	97.8 Detected	103.3 Detected	151.9 Detected	Inca1	0.676313446	0.45992876	1.55316973	1.0562372
A_51_P1231	3373.7 Detected	2317.3 Detected	2469.1 Detected	2281.3 Detected	Ercc6l	0.676201203	0.73186709	0.98446468	1.0655073
A_55_P2140	1237.8 Detected	715.4 Detected	1404.6 Detected	837 Detected	B3galt4	0.676199709	1.13475521	1.16997484	1.9633771
A_55_P2094	451.4 Detected	914.5 Detected	1094.7 Detected	305.2 Detected	Nrg2	0.676118742	2.42512184	0.33373428	1.1970476
A_55_P1967	40.7 Detected	25.4 Detected	40.2 Detected	27.5 Not Detect	Zfp85	0.675675676	0.98771499	1.08267717	1.5826772
A_51_P4573	233.1 Detected	284.6 Detected	134.2 Detected	157.5 Detected	Med13l	0.675675676	0.57571858	0.55340829	0.471539
A_55_P2049	72.1 Detected	59 Detected	72.8 Detected	48.7 Detected	Pamr1	0.675450763	1.00970874	0.82542373	1.2338983
A_51_P4131	53.3 Detected	49.1 Detected	40.4 Detected	36 Not Detect	Klk1b3	0.675422139	0.75797373	0.73319756	0.8228106
A_55_P2113	19.1 Detected	15 Not Detect	17.7 Detected	12.9 Not Detect	Zcwpw2	0.67539267	0.92670157	0.86	1.18
A_51_P4245	6758.5 Detected	8201.1 Detected	10561.3 Detected	4564.2 Detected	Vnn1	0.675327366	1.56266923	0.5565351	1.2877907
A_55_P2085	2772.8 Detected	1600.4 Detected	2355.5 Detected	1872.2 Detected	Ppp2r5d	0.675201962	0.84950231	1.16983254	1.4718195
A_55_P2194	27.4 Detected	30.2 Detected	29.5 Detected	18.5 Not Detect	A230056J06Rik	0.675182482	1.07664234	0.61258278	0.9768212
A_55_P2331	51.4 Detected	61.1 Detected	35.1 Detected	34.7 Not Detect	C230071I02Rik	0.675097276	0.68287938	0.56792144	0.5744681
A_55_P2014	10691 Detected	8026 Detected	11214.9 Detected	7217 Detected	Knop1	0.675053784	1.04900384	0.89920259	1.3973212
A_55_P1996	11184.8 Detected	6282.1 Detected	12530.9 Detected	7550 Detected	Ppdf	0.675023246	1.12035083	1.20182741	1.9946992
A_55_P1971	486.1 Detected	391.6 Detected	424.4 Detected	328.1 Detected	Slc25a36	0.674963999	0.87307138	0.83784474	1.0837589
A_55_P1960	801.9 Detected	561.2 Detected	504.8 Detected	541.2 Detected	Ube2w	0.674897119	0.62950493	0.96436208	0.8995011
A_55_P2077	6905.6 Detected	3884.8 Detected	8235.6 Detected	4659.8 Detected	Porcn	0.674785681	1.19259731	1.19949547	2.1199547
A_52_P1814	3671.8 Detected	2857 Detected	2740.2 Detected	2477.2 Detected	Setd8	0.674655482	0.74628248	0.86706335	0.959118
A_55_P2115	16.9 Detected	10 Not Detect	7.3 Not Detect	11.4 Not Detect	Olf1247	0.674556213	0.43195266	1.14	0.73
A_52_P9490	315.2 Detected	193 Detected	219.7 Detected	212.6 Detected	Zfp160	0.674492386	0.69701777	1.1015544	1.138342
A_55_P2391	482.3 Detected	171.7 Detected	234.8 Detected	325.3 Detected	4931407E12Rik	0.674476467	0.48683392	1.89458358	1.3675015
A_51_P4275	307.8 Detected	502.5 Detected	78.2 Detected	207.6 Detected	Thsd1	0.674463938	0.25406108	0.41313433	0.1556219
A_65_P0852	5848.3 Detected	4405.4 Detected	4598 Detected	3943.4 Detected	Ssrp1	0.674281415	0.78621138	0.89512871	1.0437191
A_55_P2079	17.8 Detected	13.1 Not Detect	16.5 Not Detect	12 Not Detect	Fuca1	0.674157303	0.92696629	0.91603053	1.259542

A_51_P2333	629.4 Detected	461.6 Detected	546.7 Detected	424.3 Detected	Zfp944	0.674134096	0.86860502	0.91919411	1.1843588
A_51_P1931	3521.2 Detected	2198.7 Detected	2738.2 Detected	2373.3 Detected	Slc25a25	0.674003181	0.77763263	1.07941056	1.2453723
A_55_P2412	1304 Detected	1172.4 Detected	1009.4 Detected	878.7 Detected	Ubxn7	0.673849693	0.77407975	0.74948823	0.860969
A_55_P2009	177.5 Detected	143.8 Detected	166.9 Detected	119.6 Detected	Tsc2	0.673802817	0.94028169	0.83171071	1.1606398
A_52_P1511	154.2 Detected	107.7 Detected	66.3 Detected	103.9 Detected	Kcnab3	0.673800259	0.42996109	0.96471681	0.6155989
A_55_P2016	29631.5 Detected	29264.6 Detected	16564.2 Detected	19963.8 Detected	Errfi1	0.67373572	0.55900646	0.68218257	0.5660149
A_55_P2075	298.2 Detected	323 Detected	228.6 Detected	200.9 Detected	Bcl9	0.67370892	0.7665996	0.62198142	0.7077399
A_55_P1992	10370.2 Detected	7183.9 Detected	6856.7 Detected	6985.7 Detected	Hdac6	0.673632138	0.66119265	0.97241053	0.9544537
A_52_P4356	17180.8 Detected	11115.5 Detected	13461.2 Detected	11571.7 Detected	Npepl1	0.673525098	0.78350251	1.04104179	1.2110296
A_52_P2255	117.9 Detected	82.2 Detected	52.8 Detected	79.4 Detected	Abhd15	0.673452078	0.44783715	0.96593674	0.6423358
A_55_P2070	211.6 Detected	124.1 Detected	166.4 Detected	142.5 Detected	Ccdc155	0.673440454	0.78638941	1.14826753	1.3408541
A_51_P3580	44.4 Detected	31.8 Detected	33.5 Detected	29.9 Not Detect	Mkl2	0.673423423	0.7545045	0.94025157	1.0534591
A_51_P1339	15.3 Detected	14.2 Not Detect	13.5 Not Detect	10.3 Not Detect	Olfir1043	0.673202614	0.88235294	0.72535211	0.9507042
A_51_P3803	4210.4 Detected	6232.2 Detected	1913.4 Detected	2834.1 Detected	Ncam1	0.673118944	0.45444613	0.45475113	0.3070184
A_51_P4304	8939.4 Detected	7439 Detected	5910.6 Detected	6017.1 Detected	Ada	0.673098866	0.66118531	0.80885872	0.7945423
A_55_P2105	108873.7 Detected	104385.3 Detected	94185.1 Detected	73275.9 Detected	Nop56	0.67303582	0.86508587	0.70197528	0.9022832
A_55_P2060	26.3 Detected	22.9 Detected	22.4 Detected	17.7 Not Detect	Col15a1	0.673003802	0.85171103	0.77292576	0.9781659
A_55_P2144	1259 Detected	1643.9 Detected	1467.9 Detected	847.2 Detected	Suv420h1	0.672915012	1.16592534	0.51535982	0.8929375
A_55_P2061	181.5 Detected	140 Detected	40.1 Detected	122.1 Detected	Tmsb4x	0.672727273	0.22093664	0.87214286	0.2864286
A_55_P2118	16.5 Detected	18.9 Not Detect	21.5 Detected	11.1 Not Detect	H60c	0.672727273	1.3030303	0.58730159	1.1375661
A_52_P2158	738.1 Detected	603.3 Detected	445.1 Detected	496.5 Detected	Alg13	0.67267308	0.60303482	0.82297364	0.7377756
A_55_P2052	93300.2 Detected	43029.6 Detected	75712.9 Detected	62758.9 Detected	Id1	0.672655578	0.81149772	1.45850531	1.7595539
A_55_P2170	34.2 Detected	29.2 Detected	34 Detected	23 Not Detect	Fbxo27	0.67251462	0.99415205	0.78767123	1.1643836
A_55_P1965	539.2 Detected	413.1 Detected	585 Detected	362.6 Detected	Smyd3	0.672477745	1.08494065	0.87775357	1.416122
A_55_P1974	35554.1 Detected	32224.3 Detected	28352.1 Detected	23908.8 Detected	Eif4b	0.672462529	0.79743546	0.7419494	0.879836
A_51_P4944	101 Detected	84.1 Detected	59 Detected	67.9 Detected	Tmem201	0.672277228	0.58415842	0.80737218	0.7015458
A_55_P2141	194.6 Detected	174.1 Detected	83.3 Detected	130.8 Detected	Mb21d1	0.672147996	0.42805755	0.75129236	0.4784607
A_55_P2419	12.2 Not Detect	20.9 Detected	8.6 Not Detect	8.2 Not Detect	2810449G22Rik	0.672131148	0.70491803	0.3923445	0.4114833
A_55_P2128	948.5 Detected	1065 Detected	131.4 Detected	637.4 Detected	Ccdc80	0.672008434	0.13853453	0.59849765	0.1233803
A_55_P2118	19.2 Detected	14.1 Not Detect	22.4 Detected	12.9 Not Detect	1700014B07Rik	0.671875	1.16666667	0.91489362	1.5886525
A_51_P2571	7597.5 Detected	4748.6 Detected	6893.9 Detected	5103.7 Detected	Ddrgrk1	0.671760448	0.90739059	1.07477994	1.4517753
A_55_P2080	112.4 Detected	67.6 Detected	84 Detected	75.5 Detected	Zbtb21	0.671708185	0.74733096	1.11686391	1.2426036
A_55_P2046	1866.6 Detected	1485.6 Detected	1455.8 Detected	1253.8 Detected	Dcun1d4	0.671702561	0.77992071	0.84396877	0.9799408
A_55_P2032	103.5 Detected	472.2 Detected	5.2 Not Detect	69.5 Detected	Wnt9a	0.671497585	0.05024155	0.1471834	0.0110123
A_51_P2837	22245.4 Detected	17865.5 Detected	19519.6 Detected	14934.1 Detected	Msh2	0.671334298	0.8774668	0.83591839	1.0925863
A_52_P6164	358.1 Detected	295.5 Detected	256.1 Detected	240.4 Detected	Bard1	0.67132086	0.71516336	0.81353638	0.8666667
A_55_P2340	28.9 Detected	45.3 Detected	20.3 Detected	19.4 Not Detect	B230110G15Rik	0.671280277	0.70242215	0.42825607	0.4481236
A_51_P1397	14.6 Not Detect	366.9 Detected	3.5 Not Detect	9.8 Not Detect	Fam26e	0.671232877	0.23972603	0.02671028	0.0095394
A_52_P5905	112312.5 Detected	125998.3 Detected	77504.4 Detected	75386.8 Detected	Fbln2	0.671223595	0.69007813	0.59831601	0.6151226
A_55_P2051	45 Detected	26.1 Detected	34.4 Detected	30.2 Not Detect	Zfp874b	0.671111111	0.76444444	1.15708812	1.3180077

A_51_P2583	15.2 Detected	9.9 Not Detect	8 Not Detect	10.2 Not Detect	Igsf6	0.671052632	0.52631579	1.03030303	0.8080808
A_55_P1982	6787.1 Detected	5725.7 Detected	5169.4 Detected	4554.2 Detected	Blcap	0.671008236	0.76165078	0.7953962	0.9028416
A_52_P1147	597.4 Detected	693.7 Detected	1058.2 Detected	400.8 Detected	Ptpn6	0.670907265	1.77134248	0.57777137	1.5254433
A_52_P6055	57.1 Detected	36.1 Detected	59.7 Detected	38.3 Not Detect	Mmp24	0.670753065	1.04553415	1.06094183	1.6537396
A_55_P2034	17.3 Detected	16.7 Detected	3.5 Not Detect	11.6 Not Detect	1700013F07Rik	0.670520231	0.20231214	0.69461078	0.2095808
A_52_P2484	1170.7 Detected	1061.7 Detected	926.4 Detected	784.4 Detected	Zfx	0.67002648	0.79132143	0.73881511	0.8725629
A_55_P2051	171.5 Detected	106.2 Detected	165.4 Detected	114.9 Detected	Rfx3	0.669970845	0.96443149	1.0819209	1.5574388
A_51_P2354	940 Detected	803 Detected	902.6 Detected	629.7 Detected	Pelp1	0.669893617	0.96021277	0.78418431	1.1240349
A_66_P1168	6806.3 Detected	5483.1 Detected	5639.4 Detected	4559.2 Detected	Smchd1	0.669849992	0.8285559	0.83150043	1.0285058
A_55_P2194	31.8 Detected	25.3 Detected	6.2 Not Detect	21.3 Not Detect	E130106K03Rik	0.669811321	0.19496855	0.84189723	0.2450593
A_52_P3492	799.8 Detected	594.5 Detected	736 Detected	535.7 Detected	Rprd1b	0.669792448	0.92023006	0.90109336	1.2380151
A_51_P3024	13382.2 Detected	9873.6 Detected	7400.1 Detected	8962.8 Detected	Plscr3	0.669755347	0.55298083	0.90775401	0.7494835
A_55_P2188	65.1 Detected	41.2 Detected	71.7 Detected	43.6 Detected	2510003B16Rik	0.669738863	1.10138249	1.05825243	1.7402913
A_52_P7347	642.8 Detected	391.8 Detected	501.6 Detected	430.5 Detected	Lrrc73	0.669726198	0.78033603	1.09877489	1.280245
A_55_P1985	34.2 Detected	33.6 Detected	22.3 Detected	22.9 Not Detect	Tmem231	0.669590643	0.65204678	0.68154762	0.6636905
A_55_P2124	13360.4 Detected	8407.9 Detected	6526.9 Detected	8943.8 Detected	Ivns1abp	0.669426065	0.48852579	1.06373768	0.7762818
A_55_P2048	4582.9 Detected	3600.9 Detected	3192.1 Detected	3067.2 Detected	Zfx	0.669270549	0.69652403	0.85178705	0.8864728
A_55_P1967	10949.4 Detected	7159.1 Detected	10422 Detected	7325.5 Detected	Nr3c1	0.669032093	0.95183298	1.02324315	1.4557696
A_55_P2140	57.1 Detected	50.5 Detected	43.7 Detected	38.2 Not Detect	Ssu72	0.669001751	0.76532399	0.75643564	0.8653465
A_51_P4133	319 Detected	169.4 Detected	230 Detected	213.4 Detected	Atrx	0.668965517	0.72100313	1.25974026	1.3577332
A_55_P1972	44.1 Detected	31.1 Detected	32.6 Detected	29.5 Not Detect	0610037L13Rik	0.66893424	0.73922902	0.94855305	1.0482315
A_51_P4274	14.8 Not Detect	28.6 Detected	5.9 Not Detect	9.9 Not Detect	Mxra8	0.668918919	0.39864865	0.34615385	0.2062937
A_55_P1973	92.4 Detected	72 Detected	69.3 Detected	61.8 Detected	Trp53inp1	0.668831169	0.75	0.85833333	0.9625
A_55_P2054	31.1 Detected	42.7 Detected	14.6 Not Detect	20.8 Not Detect	Rxfp1	0.668810289	0.46945338	0.48711944	0.3419204
A_55_P2156	16 Detected	9.6 Not Detect	8.1 Not Detect	10.7 Not Detect	Ptx4	0.66875	0.50625	1.11458333	0.84375
A_51_P2117	2520.1 Detected	2665.6 Detected	2015 Detected	1685.3 Detected	Rin1	0.668743304	0.79957145	0.6322404	0.7559274
A_51_P3865	709.6 Detected	549.3 Detected	275.5 Detected	474.5 Detected	Abhd15	0.668686584	0.3882469	0.86382669	0.5015474
A_51_P4786	13175.9 Detected	9767.6 Detected	10528.4 Detected	8809.9 Detected	Asb6	0.668637437	0.79906496	0.90195135	1.0778902
A_55_P2114	145955.8 Detected	109208.4 Detected	124154.2 Detected	97588.2 Detected	Ube2i	0.668614745	0.85062875	0.8935961	1.1368558
A_55_P2034	56143.5 Detected	22698.1 Detected	27771.2 Detected	37525.5 Detected	Tubb2b	0.668385477	0.49464675	1.6532441	1.2235033
A_55_P2036	622.7 Detected	404.7 Detected	401 Detected	416.1 Detected	Stk36	0.668219046	0.64396981	1.02816901	0.9908574
A_51_P3815	222.7 Detected	163.1 Detected	200.3 Detected	148.8 Detected	Stx6	0.668163449	0.89941626	0.91232373	1.2280809
A_55_P1982	185.8 Detected	146.9 Detected	164.5 Detected	124.1 Detected	Zfp708	0.667922497	0.8853606	0.84479238	1.1198094
A_52_P1002	1313.2 Detected	1049.4 Detected	1429.7 Detected	877.1 Detected	Ftsj2	0.667910448	1.08871459	0.83581094	1.3623976
A_52_P3641	775.9 Detected	1219.2 Detected	410.2 Detected	518.2 Detected	Itga5	0.667869571	0.52867638	0.42503281	0.3364501
A_55_P2177	7349.9 Detected	5138.1 Detected	5477.3 Detected	4908.6 Detected	Gnl1	0.667845821	0.74522102	0.95533368	1.0660166
A_52_P5226	1423.1 Detected	933.4 Detected	1161.5 Detected	949.9 Detected	D17Wsu92e	0.667486473	0.81617595	1.01767731	1.2443754
A_55_P1957	56365.7 Detected	41893.8 Detected	42726.2 Detected	37619.7 Detected	Hnrnpa3	0.667421854	0.75801773	0.89797774	1.0198693
A_55_P2025	5559.2 Detected	3301.4 Detected	4949.8 Detected	3710.2 Detected	Tlk1	0.667398187	0.89037991	1.12382626	1.4993033
A_55_P2034	25378.9 Detected	18990 Detected	19968.1 Detected	16936.4 Detected	Arfgap2	0.667341768	0.78679927	0.89185887	1.0515061

A_51_P2553	10013.8	Detected	9026.6	Detected	9021.3	Detected	6682.4	Detected	Riok2	0.6673191	0.90088678	0.74030089	0.9994128
A_51_P1621	103.1	Detected	58.2	Detected	72.3	Detected	68.8	Detected	Inmt	0.667313288	0.70126091	1.18213058	1.242268
A_55_P2185	329.1	Detected	239.4	Detected	233.4	Detected	219.6	Detected	Zfp428	0.667274385	0.70920693	0.91729323	0.9749373
A_55_P2243	119.6	Detected	87	Detected	54.8	Detected	79.8	Detected	D930030O05Rik	0.66722408	0.45819398	0.91724138	0.6298851
A_55_P1988	157151.1	Detected	116612.4	Detected	138616	Detected	104840.7	Detected	Esd	0.667133097	0.88205555	0.89905276	1.1886901
A_55_P2125	39809.9	Detected	28863.1	Detected	36236.9	Detected	26546.5	Detected	Ola1	0.666831617	0.91024846	0.91973835	1.255475
A_51_P4446	14.7	Detected	5.3	Not Detect	7.2	Not Detect	9.8	Not Detect	Lect1	0.666666667	0.48979592	1.8490566	1.3584906
A_52_P4849	18.6	Detected	3.9	Not Detect	15.9	Detected	12.4	Not Detect	Nnat	0.666666667	0.85483871	3.17948718	4.0769231
A_55_P2082	15	Detected	4.7	Not Detect	4.8	Not Detect	10	Not Detect	Kidins220	0.666666667	0.32	2.12765957	1.0212766
A_51_P4708	18.6	Detected	7.8	Not Detect	19.1	Detected	12.4	Not Detect	Cplx3	0.666666667	1.02688172	1.58974359	2.4487179
A_55_P2067	15.9	Detected	9.2	Not Detect	3.3	Not Detect	10.6	Not Detect	Prune2	0.666666667	0.20754717	1.15217391	0.3586957
A_55_P2110	30998	Detected	21650.9	Detected	19117.8	Detected	20665.1	Detected	Ckap5	0.666659139	0.61674302	0.95446841	0.8830026
A_55_P1985	3626.6	Detected	2101.2	Detected	2367.8	Detected	2417.5	Detected	Fhdc1	0.666602327	0.65289803	1.15053303	1.1268799
A_51_P4063	9414.5	Detected	5649.2	Detected	8676	Detected	6275.7	Detected	Dnlz	0.666599395	0.92155717	1.11090066	1.5357927
A_55_P1979	112.4	Detected	89.6	Detected	67	Detected	74.9	Detected	Naip1	0.666370107	0.59608541	0.8359375	0.7477679
A_51_P4539	4400.1	Detected	2847.8	Detected	3544.5	Detected	2931.7	Detected	Gm11961	0.666280312	0.80554987	1.02946134	1.244645
A_52_P1987	4540.3	Detected	3476	Detected	3171.4	Detected	3024.8	Detected	1810043G02Rik	0.666211484	0.6985001	0.87019563	0.9123705
A_55_P2007	116.2	Detected	179	Detected	99	Detected	77.4	Detected	Zscan4a	0.666092943	0.85197935	0.43240223	0.5530726
A_66_P1181	7947	Detected	5597.1	Detected	7419.4	Detected	5292.4	Detected	Ciao1	0.665961998	0.93361017	0.94556109	1.3255793
A_55_P2125	3035.9	Detected	1728.4	Detected	2629.1	Detected	2021.5	Detected	Gm14440	0.665865147	0.86600349	1.1695788	1.5211178
A_55_P2023	14364.4	Detected	10091	Detected	13993.1	Detected	9564.1	Detected	Mfsd10	0.665819665	0.97415137	0.94778516	1.3866911
A_55_P2345	390.8	Detected	251.2	Detected	242.3	Detected	260.2	Detected	LOC552890	0.665813715	0.62001024	1.03582803	0.9645701
A_55_P1996	38.3	Detected	32.4	Detected	21.9	Detected	25.5	Not Detect	Itih1	0.665796345	0.57180157	0.78703704	0.6759259
A_55_P2051	1412.3	Detected	1043.8	Detected	665.4	Detected	940.3	Detected	Pbx1	0.665793387	0.47114636	0.90084307	0.6374784
A_55_P2107	765.5	Detected	551.1	Detected	801	Detected	509.6	Detected	Tgfb2	0.665708687	1.04637492	0.92469606	1.4534567
A_55_P2113	31.7	Detected	24	Detected	36.8	Detected	21.1	Not Detect	Foxo4	0.665615142	1.16088328	0.87916667	1.5333333
A_55_P2136	24217.4	Detected	15713	Detected	15294.4	Detected	16118	Detected	Tom34	0.665554519	0.63154591	1.02577484	0.9733596
A_55_P2132	6455.7	Detected	4347.1	Detected	7592.5	Detected	4296.1	Detected	Pbdc1	0.665473922	1.17609245	0.98826804	1.7465667
A_55_P2043	83.1	Detected	74.3	Detected	91	Detected	55.3	Detected	Rpl6	0.665463297	1.09506619	0.74427995	1.2247645
A_55_P2013	2079.1	Detected	3319.4	Detected	2014.8	Detected	1383.2	Detected	Slc39a14	0.665287865	0.96907316	0.41670181	0.6069772
A_55_P2081	2833.7	Detected	1630.7	Detected	2081.2	Detected	1885.2	Detected	Phf20	0.665278611	0.73444613	1.15606795	1.2762617
A_55_P2072	63529.3	Detected	55325	Detected	40627.1	Detected	42264.1	Detected	Msn	0.665269411	0.63950177	0.76392408	0.7343353
A_55_P2037	41.2	Detected	42.9	Detected	35.1	Detected	27.4	Not Detect	Ppp1r12b	0.665048544	0.85194175	0.63869464	0.8181818
A_51_P3293	17378.7	Detected	6983.2	Detected	18162.8	Detected	11557.2	Detected	Mcts2	0.665020974	1.04511845	1.65500057	2.6009279
A_52_P1656	5719.4	Detected	3173.5	Detected	4385	Detected	3802.8	Detected	Lsm14b	0.664894919	0.76668881	1.19829841	1.3817552
A_55_P1954	2130.2	Detected	1572.8	Detected	1898.4	Detected	1416.3	Detected	Zfp652	0.664867149	0.89118393	0.90049593	1.2070193
A_51_P4540	968.9	Detected	14.7	Not Detect	2838.4	Detected	644.1	Detected	Lbp	0.664774487	2.92950769	43.8163265	193.08844
A_55_P2105	17.6	Detected	27.7	Detected	16.4	Not Detect	11.7	Not Detect	E330014E10Rik	0.664772727	0.93181818	0.42238267	0.5920578
A_55_P2300	16.7	Detected	15.7	Detected	21.9	Detected	11.1	Not Detect	D030046N08Rik	0.664670659	1.31137725	0.70700637	1.3949045
A_51_P2092	5540.1	Detected	3457.5	Detected	3625.4	Detected	3681.9	Detected	Rab31	0.664590892	0.65439252	1.06490239	1.0485611

A_55_P2192	15.5 Detected	16.9 Not Detect	13.9 Not Detect	10.3 Not Detect	4933417D19Rik	0.664516129	0.89677419	0.60946746	0.8224852
A_55_P2076	15.2 Detected	12 Not Detect	8.3 Not Detect	10.1 Not Detect	Gypc	0.664473684	0.54605263	0.84166667	0.6916667
A_55_P2020	2491.1 Detected	1891.5 Detected	1984.3 Detected	1655.2 Detected	Sik2	0.664445426	0.79655574	0.87507269	1.0490616
A_51_P2296	5769.8 Detected	3793.9 Detected	4629.5 Detected	3832.5 Detected	Rprd1b	0.664234462	0.8023675	1.01017423	1.2202483
A_55_P2184	13.7 Not Detect	23.1 Detected	3.3 Not Detect	9.1 Not Detect	Pcdhb18	0.664233577	0.24087591	0.39393939	0.1428571
A_55_P2269	372.4 Detected	289.5 Detected	287.8 Detected	247.3 Detected	5730419F03Rik	0.664070892	0.77282492	0.85423143	0.9941278
A_66_P1279	14519.5 Detected	8949.3 Detected	10662.1 Detected	9640.9 Detected	2210404O09Rik	0.663996694	0.73432969	1.07727979	1.1913893
A_66_P1397	3435.6 Detected	1656.5 Detected	1906.7 Detected	2281.2 Detected	Cenpb	0.663988823	0.55498312	1.37712043	1.1510414
A_55_P2296	6991.6 Detected	5032.1 Detected	2931.4 Detected	4642.1 Detected	9630010G10Rik	0.663953888	0.41927456	0.92249757	0.5825401
A_55_P2032	1462.2 Detected	813.3 Detected	1468.1 Detected	970.8 Detected	Zfp932	0.663931063	1.00403502	1.19365548	1.805115
A_55_P2149	21998.4 Detected	13483.9 Detected	16802.2 Detected	14603 Detected	Foxp4	0.663821005	0.76379191	1.08299528	1.2460935
A_55_P2082	25390.4 Detected	15647.2 Detected	25417.1 Detected	16854.6 Detected	D2Wsu81e	0.663817821	1.00105158	1.07716397	1.6243865
A_55_P2295	104.7 Detected	121.8 Detected	98.6 Detected	69.5 Detected	5830458C19Rik	0.663801337	0.9417383	0.57060755	0.8095238
A_55_P2156	5811.3 Detected	2503.7 Detected	3442.9 Detected	3856.8 Detected	Car13	0.6636725	0.59244919	1.54044015	1.3751248
A_52_P1605	844.4 Detected	416.2 Detected	349.2 Detected	560.4 Detected	Sfmbt1	0.663666509	0.41354808	1.34646804	0.8390197
A_55_P1965	32.1 Detected	26.3 Detected	36.9 Detected	21.3 Not Detect	Gm5640	0.663551402	1.14953271	0.80988593	1.4030418
A_51_P2546	19.6 Detected	20.4 Detected	3.7 Not Detect	13 Not Detect	Hdc	0.663265306	0.18877551	0.6372549	0.1813725
A_51_P4541	262.9 Detected	192.5 Detected	179.9 Detected	174.3 Detected	Msh3	0.66298973	0.6842906	0.90545455	0.9345455
A_55_P2023	32715.6 Detected	21717.1 Detected	28862.1 Detected	21685.8 Detected	Trip10	0.662858086	0.88221216	0.99855874	1.3290034
A_52_P1260	272.3 Detected	283.8 Detected	3.5 Not Detect	180.4 Detected	Pon2	0.662504591	0.01285347	0.63565891	0.0123326
A_51_P2397	6099.1 Detected	8944.2 Detected	1051.5 Detected	4040.5 Detected	Inhba	0.662474791	0.17240249	0.45174527	0.1175622
A_51_P2833	15.7 Detected	128.2 Detected	424.6 Detected	10.4 Not Detect	1700011H14Rik	0.662420382	27.044586	0.08112324	3.3120125
A_55_P1957	15.4 Detected	7.8 Not Detect	12 Not Detect	10.2 Not Detect	Ttl11	0.662337662	0.77922078	1.30769231	1.5384615
A_66_P1039	52687.4 Detected	42874.9 Detected	42905 Detected	34892.3 Detected	Eif3m	0.662251316	0.81433132	0.81381648	1.000702
A_52_P2435	14868.1 Detected	12096.2 Detected	14362.3 Detected	9846.3 Detected	Hsd17b12	0.662243326	0.96598086	0.81399944	1.1873398
A_55_P2230	1773.2 Detected	2179.9 Detected	1267.1 Detected	1174.1 Detected	Etv6	0.662136251	0.7145838	0.53860269	0.5812652
A_51_P2305	1087 Detected	679.3 Detected	652.1 Detected	719.7 Detected	Eil2	0.662097516	0.599908	1.05947299	0.9599588
A_51_P3095	2217.3 Detected	1579.1 Detected	1927.5 Detected	1467.8 Detected	2700099C18Rik	0.661976277	0.8693005	0.92951681	1.220632
A_51_P4841	39566.3 Detected	20996.6 Detected	29924.8 Detected	26188.6 Detected	Steap1	0.661891559	0.7563204	1.24727813	1.4252212
A_51_P3260	768.7 Detected	541.8 Detected	604.9 Detected	508.7 Detected	Zfp959	0.661766619	0.78691297	0.93890735	1.1164636
A_55_P1968	57.9 Detected	91.4 Detected	37.7 Detected	38.3 Not Detect	Gm4312	0.66148532	0.65112263	0.4190372	0.4124726
A_55_P2040	2565.3 Detected	3116.4 Detected	1147.8 Detected	1696.9 Detected	Klf7	0.661482088	0.44743305	0.54450648	0.3683096
A_51_P5191	19.2 Detected	28.9 Detected	17.2 Detected	12.7 Not Detect	Dzank1	0.661458333	0.89583333	0.43944637	0.5951557
A_51_P2214	9007 Detected	7769.5 Detected	6998.7 Detected	5957.3 Detected	Cbx6	0.661407794	0.77702898	0.76675462	0.9007916
A_66_P1285	3669 Detected	3093.8 Detected	3164.8 Detected	2426.7 Detected	Cwc22	0.661406378	0.86257836	0.7843752	1.0229491
A_52_P1662	1634.5 Detected	1191.9 Detected	1078.9 Detected	1081 Detected	Zrsr2	0.661364332	0.66007954	0.90695528	0.9051934
A_55_P2038	139.6 Detected	70.8 Detected	131.8 Detected	92.3 Detected	Ptprj	0.661174785	0.94412607	1.30367232	1.8615819
A_51_P4672	89.1 Detected	200.9 Detected	85.9 Detected	58.9 Detected	Fbn1	0.661054994	0.9640853	0.29318069	0.4275759
A_66_P1009	585.6 Detected	439.2 Detected	406.2 Detected	387.1 Detected	LOC100046091	0.661031421	0.69364754	0.88137523	0.9248634
A_52_P5500	1874.2 Detected	1304 Detected	1474.8 Detected	1238.8 Detected	NfyA	0.660975349	0.78689574	0.95	1.1309816

A_51_P1390	17.1	Detected	25.1	Detected	136.6	Detected	11.3	Not Detect	Slc38a3	0.660818713	7.98830409	0.4501992	5.4422311
A_51_P2197	37824.2	Detected	26854.8	Detected	34299	Detected	24989.9	Detected	Ola1	0.660685487	0.90680041	0.93055618	1.2772018
A_52_P3392	77.5	Detected	65.3	Detected	52.8	Detected	51.2	Not Detect	Utp6	0.660645161	0.68129032	0.78407351	0.8085758
A_51_P3397	22942.9	Detected	17011.4	Detected	20635.7	Detected	15155.8	Detected	Mrps26	0.660587807	0.8994373	0.89092021	1.2130512
A_51_P4410	152.3	Detected	75.9	Detected	201.5	Detected	100.6	Detected	Smad3	0.660538411	1.32304662	1.32542819	2.654809
A_55_P2158	6225.3	Detected	7257.6	Detected	2552.5	Detected	4110.6	Detected	Jun	0.660305527	0.4100204	0.56638558	0.3517003
A_55_P1986	30.6	Detected	33.9	Detected	36.3	Detected	20.2	Not Detect	Cacna1h	0.660130719	1.18627451	0.59587021	1.0707965
A_52_P5825	42736.6	Detected	22669.8	Detected	35846.4	Detected	28208.3	Detected	Mrps6	0.660050168	0.8387752	1.24431182	1.5812402
A_55_P2028	19921.9	Detected	12568.3	Detected	17917.3	Detected	13147.2	Detected	Nqo2	0.659937054	0.89937707	1.04606033	1.4255946
A_66_P1153	2503.7	Detected	2282.3	Detected	2211.4	Detected	1651.4	Detected	Orc2	0.659583816	0.88325279	0.72356833	0.9689348
A_55_P1959	1875.9	Detected	1277.4	Detected	1321.3	Detected	1237.1	Detected	Gm10324	0.659470121	0.70435524	0.96845154	1.0343667
A_55_P1961	13.8	Not Detect	9	Not Detect	17.9	Detected	9.1	Not Detect	Atg4a	0.65942029	1.29710145	1.01111111	1.9888889
A_55_P2108	77.8	Detected	82.4	Detected	90.9	Detected	51.3	Not Detect	Phf11c	0.659383033	1.16838046	0.62257282	1.1031553
A_55_P2075	1773.8	Detected	930.4	Detected	1350.3	Detected	1169.5	Detected	Gid8	0.659318976	0.76124704	1.25698624	1.4513113
A_55_P1975	191	Detected	156.7	Detected	149.1	Detected	125.9	Detected	Zfp873	0.659162304	0.78062827	0.80344608	0.9514997
A_55_P2066	17.6	Detected	15.6	Not Detect	24.2	Detected	11.6	Not Detect	Nsun4	0.659090909	1.375	0.74358974	1.5512821
A_55_P2020	184.5	Detected	110.4	Detected	148.4	Detected	121.6	Detected	Parp16	0.659078591	0.80433604	1.10144928	1.3442029
A_66_P1308	822.9	Detected	794.9	Detected	606.3	Detected	542.3	Detected	Samd4	0.659010815	0.73678454	0.68222418	0.7627375
A_55_P2260	363.7	Detected	148	Detected	363.1	Detected	239.6	Detected	Tcf7l2	0.658784713	0.99835029	1.61891892	2.4533784
A_55_P2091	59.2	Detected	54.4	Detected	46	Detected	39	Not Detect	4930488N24Rik	0.658783784	0.77702703	0.71691176	0.8455882
A_55_P2348	25.2	Detected	17.7	Not Detect	11.9	Not Detect	16.6	Not Detect	D430022A14Rik	0.658730159	0.47222222	0.93785311	0.6723164
A_52_P6308	11295.2	Detected	5760.7	Detected	12807.7	Detected	7440	Detected	Abcc4	0.658686876	1.13390644	1.29150971	2.2232888
A_51_P2777	3700.2	Detected	3063.5	Detected	2270.9	Detected	2437.1	Detected	2810474O19Rik	0.658640074	0.61372358	0.79552799	0.7412763
A_55_P2140	11338.8	Detected	5649	Detected	6898.1	Detected	7464.7	Detected	Phka2	0.658332451	0.60836244	1.32141972	1.2211188
A_51_P1415	15.8	Detected	11.1	Not Detect	18	Not Detect	10.4	Not Detect	Orm2	0.658227848	1.13924051	0.93693694	1.6216216
A_55_P2006	118641.2	Detected	87956.3	Detected	107289.8	Detected	78078.6	Detected	Esd	0.658106965	0.9043216	0.88769764	1.219808
A_51_P4899	969.8	Detected	1157.9	Detected	332.9	Detected	638.2	Detected	Dst	0.65807383	0.34326665	0.55117022	0.2875032
A_55_P2077	197.7	Detected	147.7	Detected	275	Detected	130.1	Detected	Mro	0.658067779	1.39099646	0.88083954	1.8618822
A_55_P2144	15.2	Not Detect	22.4	Detected	9.3	Not Detect	10	Not Detect	1700125H20Rik	0.657894737	0.61184211	0.44642857	0.4151786
A_51_P1122	591.8	Detected	1033.8	Detected	91.5	Detected	389.3	Detected	Angel1	0.657823589	0.15461304	0.37657187	0.0885084
A_66_P1210	56.4	Detected	53.4	Detected	19.7	Detected	37.1	Not Detect	Map3k8	0.657801418	0.34929078	0.69475655	0.3689139
A_55_P1969	53436.7	Detected	30350	Detected	42535.9	Detected	35144.3	Detected	Ptpmt1	0.657680957	0.79600537	1.15796705	1.4015124
A_52_P5475	194.5	Detected	223.4	Detected	160.9	Detected	127.9	Detected	Spag1	0.657583548	0.82724936	0.57251567	0.7202328
A_51_P5142	13679.4	Detected	5356.1	Detected	6809.5	Detected	8994.2	Detected	Tubb2b	0.657499598	0.4977923	1.67924423	1.2713542
A_55_P2103	130.8	Detected	60.3	Detected	104.4	Detected	86	Detected	Arid1b	0.657492355	0.79816514	1.42620232	1.7313433
A_55_P1994	6955	Detected	4949.8	Detected	6965.3	Detected	4572.6	Detected	Ppil3	0.657455068	1.00148095	0.9237949	1.4071882
A_66_P1066	11823.5	Detected	4991.6	Detected	7792	Detected	7770.7	Detected	2900097C17Rik	0.657225018	0.65902651	1.55675535	1.5610225
A_51_P1937	1792.6	Detected	347.3	Detected	2822.7	Detected	1178.1	Detected	Lrp1	0.65720183	1.57464019	3.39216815	8.1275554
A_55_P2137	14318.5	Detected	11349.1	Detected	11395.9	Detected	9409.3	Detected	B4galt3	0.657142857	0.79588644	0.82907896	1.0041237
A_55_P1996	320.8	Detected	356.1	Detected	213.7	Detected	210.8	Detected	Wdr31	0.657107232	0.66614713	0.59196855	0.6001123

A_51_P2364	1641.6	Detected	1294.5	Detected	1282	Detected	1078.7	Detected	Metap1d	0.657102827	0.78094542	0.83329471	0.9903438
A_55_P2085	264.8	Detected	306.1	Detected	102.2	Detected	174	Detected	Dnaja4	0.657099698	0.38595166	0.56844169	0.3338778
A_55_P2064	7149.1	Detected	4397.8	Detected	4796.8	Detected	4696.6	Detected	Cenpi	0.656949826	0.67096558	1.06794306	1.0907272
A_52_P4480	3674.4	Detected	2252	Detected	3982.4	Detected	2412.8	Detected	Nit2	0.656651426	1.08382321	1.0714032	1.7683837
A_55_P2059	73439.8	Detected	56209.4	Detected	63016.8	Detected	48214.9	Detected	U2af1	0.656522757	0.85807423	0.8577729	1.1211079
A_55_P2117	877.9	Detected	484.5	Detected	654.3	Detected	576.3	Detected	Stard5	0.656452899	0.74530129	1.18947368	1.3504644
A_51_P3041	433.1	Detected	267.9	Detected	120.4	Detected	284.3	Detected	Rtp4	0.656430386	0.27799584	1.06121687	0.4494214
A_55_P1986	9190.3	Detected	7218.2	Detected	6847.1	Detected	6032.5	Detected	Brms1l	0.656398594	0.74503553	0.83573467	0.9485883
A_51_P4940	7950	Detected	6282.2	Detected	7574.4	Detected	5217.9	Detected	Scaf8	0.656339623	0.95275472	0.83058483	1.2056923
A_55_P1986	16	Detected	42.3	Detected	6.5	Not Detect	10.5	Not Detect	Mcam	0.65625	0.40625	0.24822695	0.1536643
A_51_P3824	2294.1	Detected	1953	Detected	1467.8	Detected	1505.3	Detected	Itgav	0.656161458	0.63981518	0.77076293	0.7515617
A_55_P1979	15.7	Detected	8.6	Not Detect	16.3	Not Detect	10.3	Not Detect	Hras1	0.656050955	1.03821656	1.19767442	1.8953488
A_55_P2136	189.4	Detected	229.9	Detected	140.9	Detected	124.2	Detected	Vpreb3	0.655755016	0.74392819	0.54023488	0.6128752
A_55_P2308	401.4	Detected	299.1	Detected	145.1	Detected	263.2	Detected	Tiam1	0.655705032	0.3614848	0.87997325	0.485122
A_55_P2061	309.9	Detected	266.6	Detected	92.7	Detected	203.2	Detected	Atp8b2	0.655695386	0.29912875	0.76219055	0.3477119
A_55_P2005	32.2	Detected	20.1	Detected	30	Detected	21.1	Not Detect	Sfi1	0.655279503	0.93167702	1.04975124	1.4925373
A_55_P2075	72.8	Detected	36.1	Detected	53.6	Detected	47.7	Not Detect	Pax2	0.65521978	0.73626374	1.32132964	1.4847645
A_55_P2102	3466.1	Detected	2783.2	Detected	2750.2	Detected	2270.7	Detected	Acvr1	0.655116702	0.79345662	0.81585944	0.9881431
A_52_P6827	417.7	Detected	159.6	Detected	214.5	Detected	273.6	Detected	Dock4	0.655015561	0.51352645	1.71428571	1.343985
A_55_P2139	26218.1	Detected	19533.4	Detected	22786	Detected	17172.5	Detected	Ssb	0.654986441	0.86909425	0.87913522	1.1665148
A_55_P2125	3888.6	Detected	6921.2	Detected	2400.6	Detected	2546.5	Detected	Arid5a	0.654862933	0.617343	0.36792753	0.3468474
A_51_P4977	21.4	Detected	21.6	Detected	18.1	Detected	14	Not Detect	Gpat2	0.654205607	0.84579439	0.64814815	0.837963
A_55_P2134	1546.4	Detected	916.1	Detected	1357.8	Detected	1011.5	Detected	Eml1	0.654099845	0.87803932	1.1041371	1.4821526
A_52_P1773	198.9	Detected	161.4	Detected	121.8	Detected	130.1	Detected	Intu	0.654097536	0.61236802	0.80607187	0.7546468
A_55_P2044	18.2	Detected	14.3	Not Detect	6.3	Not Detect	11.9	Not Detect	Slc13a5	0.653846154	0.34615385	0.83216783	0.4405594
A_55_P2015	21632.3	Detected	13324.6	Detected	15908	Detected	14138.9	Detected	Foxp4	0.653601328	0.73538181	1.06111253	1.193882
A_52_P5733	157.9	Detected	114.2	Detected	202.6	Detected	103.2	Detected	Hnrnpul1	0.653578214	1.28309056	0.90367776	1.7740806
A_55_P2180	28	Detected	29.1	Detected	22.5	Detected	18.3	Not Detect	Vmn1r219	0.653571429	0.80357143	0.62886598	0.7731959
A_55_P1969	3083.7	Detected	1823.1	Detected	2243.4	Detected	2015	Detected	Socs6	0.653435808	0.72750268	1.10526027	1.2305414
A_55_P2218	1999.4	Detected	1419.1	Detected	1145.5	Detected	1306.3	Detected	Pacs2	0.653346004	0.57292188	0.920513	0.8072017
A_55_P2101	9480.2	Detected	7927.2	Detected	7477.6	Detected	6193.1	Detected	Esf1	0.653266809	0.78875973	0.78124685	0.9432839
A_51_P1387	24908.4	Detected	20965.4	Detected	21929.4	Detected	16258.9	Detected	Ddx27	0.652747667	0.88040179	0.77551108	1.0459805
A_55_P2186	31.1	Detected	24.8	Detected	26.5	Detected	20.3	Not Detect	2410141K09Rik	0.652733119	0.85209003	0.81854839	1.0685484
A_55_P1972	91212.6	Detected	88786.3	Detected	78783.5	Detected	59534.7	Detected	Nop56	0.652702587	0.86373483	0.67053926	0.8873385
A_55_P2167	104.8	Detected	79	Detected	120.6	Detected	68.4	Detected	Ermard	0.652671756	1.15076336	0.86582278	1.5265823
A_55_P2013	56997.2	Detected	45851.2	Detected	50725	Detected	37196.7	Detected	Raly	0.652605742	0.889956	0.81124812	1.106296
A_55_P2149	7149	Detected	5960.9	Detected	5587.8	Detected	4665.2	Detected	Srf	0.652566793	0.78161981	0.78263349	0.9374088
A_52_P6521	5323	Detected	2719	Detected	4208.3	Detected	3473.2	Detected	Brd3	0.652489198	0.79058801	1.27738139	1.5477381
A_55_P2096	109.9	Detected	96.2	Detected	74.1	Detected	71.7	Detected	Calcoco2	0.652411283	0.67424932	0.74532225	0.7702703
A_55_P2137	95.5	Detected	118.6	Detected	17.7	Not Detect	62.3	Detected	Irgm2	0.652356021	0.18534031	0.52529511	0.1492411

A_52_P6762	86	Detected	58.6	Detected	66.7	Detected	56.1	Detected	Itpril1	0.652325581	0.7755814	0.95733788	1.1382253
A_55_P2430	1541.7	Detected	1044.3	Detected	1259.1	Detected	1005.6	Detected	Dido1	0.652266978	0.81669586	0.96294168	1.205688
A_55_P2090	38150	Detected	21577.7	Detected	43879.5	Detected	24878.8	Detected	Ppdf	0.652131062	1.15018349	1.15298665	2.0335578
A_55_P2012	13921.2	Detected	12805.9	Detected	11673.2	Detected	9077.9	Detected	Cdca7	0.652091774	0.83851967	0.70888419	0.9115486
A_66_P1138	526.1	Detected	318.4	Detected	337.9	Detected	343	Detected	Gm3325	0.651967307	0.64227333	1.07726131	1.0612437
A_55_P2090	411.1	Detected	95.8	Detected	1785.5	Detected	268	Detected	Pilra	0.651909511	4.34322549	2.79749478	18.637787
A_52_P2950	2128.3	Detected	845.8	Detected	990	Detected	1387.3	Detected	Snn	0.651834798	0.46515999	1.64022227	1.1704895
A_55_P2438	204.7	Detected	112.1	Detected	192.2	Detected	133.4	Detected	Ifnar1	0.651685393	0.93893503	1.19000892	1.7145406
A_55_P2148	15.5	Detected	13	Not Detect	3.6	Not Detect	10.1	Not Detect	Pax2	0.651612903	0.23225806	0.77692308	0.2769231
A_51_P2864	10767	Detected	12090.4	Detected	6217.7	Detected	7015.9	Detected	Ier3	0.651611405	0.57747748	0.58028684	0.5142675
A_55_P2184	14838.6	Detected	11250.3	Detected	12072.7	Detected	9669	Detected	B4galt3	0.651611338	0.81360101	0.85944375	1.0731003
A_55_P2109	23384.9	Detected	16927.8	Detected	15308	Detected	15236.8	Detected	Tmem63b	0.651565754	0.65461045	0.90010515	0.9043113
A_55_P1982	53476.9	Detected	38455.1	Detected	45041.2	Detected	34841.7	Detected	Nelfcd	0.651528043	0.84225525	0.90603587	1.1712673
A_55_P2156	6387.9	Detected	4322.1	Detected	6235.6	Detected	4161.4	Detected	Aar2	0.651450398	0.97615805	0.962819	1.4427246
A_55_P2091	17.5	Detected	21.4	Detected	22.3	Detected	11.4	Not Detect	Hps5	0.651428571	1.27428571	0.53271028	1.0420561
A_66_P1353	26.1	Detected	23.8	Detected	14	Not Detect	17	Not Detect	4933434120Rik	0.651340996	0.53639847	0.71428571	0.5882353
A_51_P3847	4221.7	Detected	2662.8	Detected	3275	Detected	2749.7	Detected	Ldb1	0.651325295	0.77575384	1.03263482	1.2299084
A_55_P2046	22036.2	Detected	14395.7	Detected	19073.9	Detected	14347.2	Detected	Mapk14	0.651074142	0.8655712	0.99663094	1.324972
A_55_P2009	10816.1	Detected	7400.4	Detected	7582	Detected	7040.7	Detected	Hdac6	0.650946275	0.70099204	0.95139452	1.0245392
A_55_P2096	1087.5	Detected	872.7	Detected	824.6	Detected	707.9	Detected	R3hdml	0.650942529	0.75825287	0.81116077	0.9448837
A_51_P3301	5884.7	Detected	6129	Detected	6460	Detected	3830.3	Detected	Pspc1	0.650891294	1.09776199	0.62494697	1.0540055
A_52_P4311	46.4	Detected	41.4	Detected	43.1	Detected	30.2	Not Detect	Foxn2	0.650862069	0.92887931	0.7294686	1.0410628
A_55_P2112	337.3	Detected	266.1	Detected	229.9	Detected	219.4	Detected	Sepn1	0.650459532	0.68158909	0.82450207	0.8639609
A_55_P2122	613.6	Detected	426.5	Detected	361.8	Detected	399.1	Detected	Tmem87b	0.650423729	0.58963494	0.93575615	0.8483001
A_52_P2634	143.3	Detected	78.4	Detected	138.3	Detected	93.2	Detected	1700021K19Rik	0.65038381	0.96510816	1.18877551	1.7640306
A_55_P2087	5053.1	Detected	4187.3	Detected	4012.8	Detected	3286.4	Detected	D930015E06Rik	0.650373038	0.79412638	0.78484943	0.9583264
A_55_P2002	59.2	Detected	52.4	Detected	36.7	Detected	38.5	Not Detect	Zswim6	0.650337838	0.61993243	0.73473282	0.7003817
A_55_P2116	16.3	Detected	25.7	Detected	10.8	Not Detect	10.6	Not Detect	Gpr183	0.650306748	0.66257669	0.41245136	0.4202335
A_52_P2803	279.6	Detected	207.9	Detected	167.8	Detected	181.8	Detected	Rbm3	0.650214592	0.60014306	0.87445887	0.8071188
A_52_P9023	1216.4	Detected	775.8	Detected	902.8	Detected	790.9	Detected	Lnp	0.650197304	0.74219007	1.01946378	1.163702
A_55_P1979	14	Detected	11.6	Not Detect	11.5	Not Detect	9.1	Not Detect	Lrit1	0.65	0.82142857	0.78448276	0.9913793
A_51_P4863	18	Detected	15.1	Not Detect	12.3	Not Detect	11.7	Not Detect	Ccdc171	0.65	0.68333333	0.77483444	0.8145695
A_66_P1250	7933.8	Detected	5901.9	Detected	6816.1	Detected	5156.8	Detected	Ssb	0.649978573	0.85912173	0.87375252	1.1548993
A_55_P2137	563.3	Detected	424.8	Detected	467.7	Detected	366.1	Detected	Bnip2	0.649920114	0.83028582	0.86181733	1.1009887
A_55_P1994	1634.9	Detected	912.5	Detected	1405.1	Detected	1062.3	Detected	Arhgap11a	0.649764512	0.85944094	1.16416438	1.5398356
A_51_P4709	1500.3	Detected	999.6	Detected	1210.1	Detected	974.8	Detected	Paip1	0.649736719	0.80657202	0.97519008	1.2105842
A_55_P2063	824.6	Detected	536	Detected	779.5	Detected	535.7	Detected	Naip6	0.649648314	0.94530682	0.9994403	1.454291
A_52_P5986	511	Detected	361.5	Detected	264.6	Detected	331.9	Detected	Ptch1	0.649510763	0.51780822	0.91811895	0.7319502
A_52_P2036	52.2	Detected	64.6	Detected	76.3	Detected	33.9	Not Detect	Arl5c	0.649425287	1.46168582	0.5247678	1.1811146
A_51_P2650	10080	Detected	7574.2	Detected	7801.2	Detected	6546.2	Detected	Ppig	0.649424603	0.77392857	0.8642761	1.0299702

A_55_P1992	464.6	Detected	294.3	Detected	475.8	Detected	301.7	Detected	Pmpca	0.649375807	1.02410676	1.02514441	1.6167176
A_55_P2179	429.2	Detected	283.6	Detected	375.8	Detected	278.7	Detected	Mapk14	0.649347623	0.87558248	0.98272214	1.3251058
A_55_P1984	19.1	Detected	12.9	Not Detect	14.6	Not Detect	12.4	Not Detect	Gm5434	0.64921466	0.76439791	0.96124031	1.1317829
A_51_P3456	19.1	Detected	20.6	Detected	25.3	Detected	12.4	Not Detect	Tnnt3	0.64921466	1.32460733	0.60194175	1.2281553
A_55_P1986	1869.6	Detected	1482.3	Detected	1431.6	Detected	1213.7	Detected	Cdh26	0.649176294	0.76572529	0.81879512	0.9657964
A_55_P2149	17.1	Detected	15.7	Not Detect	10	Not Detect	11.1	Not Detect	Rsrc2	0.649122807	0.58479532	0.70700637	0.6369427
A_51_P4710	128.2	Detected	70.8	Detected	118.8	Detected	83.2	Detected	Ablim1	0.648985959	0.92667707	1.17514124	1.6779661
A_55_P1978	6985.6	Detected	5621.3	Detected	4333.2	Detected	4532.1	Detected	Kif3a	0.648777485	0.62030463	0.80623699	0.7708537
A_55_P1971	488	Detected	290	Detected	271.2	Detected	316.6	Detected	Mta3	0.648770492	0.5557377	1.09172414	0.9351724
A_55_P2056	50698.7	Detected	38857.9	Detected	39874.4	Detected	32883.8	Detected	Tk1	0.648612292	0.78649748	0.84625778	1.0261594
A_55_P2148	64.3	Detected	103.6	Detected	44.2	Detected	41.7	Not Detect	Dclk1	0.648522551	0.6874028	0.40250965	0.4266409
A_55_P1972	12082.2	Detected	10913	Detected	7287.5	Detected	7834.4	Detected	Siah1b	0.648424956	0.60316002	0.71789609	0.6677815
A_51_P3551	13670.4	Detected	5453.2	Detected	9785.3	Detected	8863.7	Detected	Camk2n2	0.648386294	0.71580202	1.6254126	1.7944143
A_55_P2093	1065.3	Detected	823.2	Detected	852.5	Detected	690.6	Detected	Zfp428	0.648268093	0.80024406	0.83892128	1.0355928
A_51_P1366	16.2	Detected	12.1	Not Detect	7.2	Not Detect	10.5	Not Detect	Olf921	0.648148148	0.44444444	0.8677686	0.5950413
A_55_P2144	294.7	Detected	255.9	Detected	312.1	Detected	191	Detected	Suv420h1	0.648116729	1.05904309	0.74638531	1.219617
A_52_P6549	11721	Detected	9043.5	Detected	8720	Detected	7595.2	Detected	Eif3j2	0.647999317	0.74396383	0.83985183	0.9642285
A_55_P2147	14.2	Detected	7.3	Not Detect	5.6	Not Detect	9.2	Not Detect	Tnfaip6	0.647887324	0.3943662	1.26027397	0.7671233
A_55_P2006	262.1	Detected	222.9	Detected	142.8	Detected	169.8	Detected	2810474019Rik	0.647844334	0.54483022	0.76177658	0.640646
A_55_P1959	76.1	Detected	44.7	Detected	37.6	Detected	49.3	Detected	Cdkl5	0.6478318	0.49408673	1.10290828	0.8411633
A_55_P2056	70.4	Detected	30.4	Detected	53	Detected	45.6	Not Detect	Phkg1	0.647727273	0.75284091	1.5	1.7434211
A_55_P1978	29.8	Detected	26.6	Detected	23.6	Detected	19.3	Not Detect	Gm10700	0.647651007	0.79194631	0.72556391	0.887218
A_51_P2158	420	Detected	219.4	Detected	208.1	Detected	272	Detected	Tsc22d4	0.647619048	0.49547619	1.23974476	0.9484959
A_51_P2336	122855.5	Detected	94471.1	Detected	109263	Detected	79560.2	Detected	Psma7	0.647591683	0.88936189	0.84216443	1.1565759
A_55_P1967	1110.3	Detected	567.5	Detected	750.1	Detected	719	Detected	Ston1	0.647572728	0.67558318	1.26696035	1.3217621
A_55_P1968	13.9	Detected	3.2	Not Detect	3.2	Not Detect	9	Not Detect	4933440M02Rik	0.647482014	0.23021583	2.8125	1
A_55_P2086	31.2	Detected	15.5	Not Detect	21.9	Detected	20.2	Not Detect	Snrk	0.647435897	0.70192308	1.30322581	1.4129032
A_55_P2023	1526.2	Detected	1659.8	Detected	1684.5	Detected	988.1	Detected	Txn2	0.647424977	1.10372166	0.59531269	1.0148813
A_55_P2091	131.6	Detected	84.6	Detected	28.8	Detected	85.2	Detected	BC061237	0.647416413	0.21884498	1.0070922	0.3404255
A_55_P2147	68.9	Detected	43.8	Detected	53.7	Detected	44.6	Not Detect	BC096441	0.647314949	0.77939042	1.01826484	1.2260274
A_55_P2118	34.3	Detected	27.3	Detected	17.5	Detected	22.2	Not Detect	Pdzd7	0.647230321	0.51020408	0.81318681	0.6410256
A_55_P2184	109	Detected	61.4	Detected	73.8	Detected	70.5	Detected	6720489N17Rik	0.646788991	0.67706422	1.14820847	1.2019544
A_55_P2053	2161	Detected	1014.5	Detected	1318.2	Detected	1397.4	Detected	Pink1	0.646645072	0.60999537	1.3774273	1.2993593
A_55_P2091	6563.9	Detected	5217.2	Detected	4088.2	Detected	4243.7	Detected	Raet1b	0.646521123	0.62283094	0.81340566	0.7836004
A_55_P2142	397.1	Detected	184.6	Detected	626.3	Detected	256.7	Detected	4732471J01Rik	0.646436666	1.57718459	1.39057421	3.3927411
A_55_P1979	18.1	Detected	29.7	Detected	25.7	Detected	11.7	Not Detect	Gm16367	0.64640884	1.4198895	0.39393939	0.8653199
A_51_P1879	30893.3	Detected	30143.2	Detected	26026.2	Detected	19967.9	Detected	Nop56	0.646350503	0.84245451	0.66243465	0.8634186
A_52_P4792	27255.6	Detected	19727.3	Detected	22666.5	Detected	17615.6	Detected	Sdc1	0.646311217	0.83162726	0.89295545	1.1489915
A_52_P2644	21.2	Detected	15.8	Not Detect	8.2	Not Detect	13.7	Not Detect	Gstm6	0.646226415	0.38679245	0.86708861	0.5189873
A_51_P4794	4193.6	Detected	3568.7	Detected	2813.6	Detected	2709.9	Detected	Rfc3	0.64619897	0.67092713	0.75935215	0.7884103

A_52_P3738	284.2	Detected	199	Detected	189.5	Detected	183.6	Detected	Pcgf3	0.646023927	0.66678395	0.92261307	0.9522613
A_52_P5521	660.2	Detected	200.6	Detected	187.7	Detected	426.4	Detected	Il13ra1	0.645864889	0.28430779	2.12562313	0.9356929
A_55_P2117	1239	Detected	883.2	Detected	482.8	Detected	800	Detected	Sifn9	0.645682002	0.38966909	0.9057971	0.5466486
A_55_P2101	45816.4	Detected	23084.9	Detected	25771.9	Detected	29582.4	Detected	Eva1c	0.645672729	0.56250382	1.28146104	1.1163964
A_55_P2054	412.6	Detected	306.6	Detected	428.2	Detected	266.4	Detected	Ctdspl2	0.645661658	1.03780902	0.86888454	1.396608
A_51_P1007	44.3	Detected	29.8	Detected	23.8	Detected	28.6	Not Detect	Zfp169	0.645598194	0.53724605	0.95973154	0.7986577
A_55_P2087	65.7	Detected	135.3	Detected	15.9	Not Detect	42.4	Not Detect	Cp	0.645357686	0.24200913	0.31337768	0.1175166
A_55_P2067	27.9	Detected	40.4	Detected	16.2	Not Detect	18	Not Detect	Def8	0.64516129	0.58064516	0.44554455	0.4009901
A_55_P2111	87.9	Detected	85	Detected	51.1	Detected	56.7	Detected	Gabpb1	0.645051195	0.58134243	0.66705882	0.6011765
A_55_P2196	163.4	Detected	175.1	Detected	79.4	Detected	105.4	Detected	6330509M05Rik	0.64504284	0.48592411	0.60194175	0.4534552
A_55_P2124	23.1	Detected	15.8	Not Detect	17.2	Not Detect	14.9	Not Detect	Olfir220	0.645021645	0.74458874	0.94303797	1.0886076
A_55_P2009	13.8	Detected	8	Not Detect	11.5	Not Detect	8.9	Not Detect	Psg-ps1	0.644927536	0.83333333	1.1125	1.4375
A_55_P2000	2553.5	Detected	2148.9	Detected	1404.6	Detected	1646.6	Detected	Myef2	0.644840415	0.55006853	0.7662525	0.6536367
A_55_P1979	176.5	Detected	181.7	Detected	157.8	Detected	113.8	Detected	Nsl1	0.644759207	0.89405099	0.6263071	0.8684645
A_66_P1335	3545.2	Detected	2814	Detected	3151.2	Detected	2285.7	Detected	Glmn	0.644730904	0.88886382	0.81226013	1.1198294
A_66_P1297	5821.8	Detected	3909.6	Detected	4562.9	Detected	3753.1	Detected	Dnajc24	0.644663163	0.78376104	0.95997033	1.1671015
A_55_P2020	6012.6	Detected	3558.4	Detected	4437.8	Detected	3875.6	Detected	Hnrnpa3	0.644579716	0.73808336	1.08914119	1.2471335
A_55_P2411	218	Detected	120.8	Detected	164.8	Detected	140.5	Detected	AI596198	0.644495413	0.7559633	1.16307947	1.3642384
A_55_P2088	113.3	Detected	90.2	Detected	75.3	Detected	73	Detected	Zbtb37	0.644307149	0.66460724	0.80931264	0.8348115
A_55_P2126	11759.8	Detected	12524	Detected	10714	Detected	7576.5	Detected	1810032O08Rik	0.644271161	0.91106992	0.60495848	0.8554775
A_55_P2051	14902	Detected	10235	Detected	12571.8	Detected	9599.5	Detected	Rnf8	0.644175278	0.84363173	0.93790914	1.2283146
A_55_P2063	536.2	Detected	454.6	Detected	287.4	Detected	345.4	Detected	Pdpx	0.644162626	0.53599403	0.75978883	0.6322041
A_52_P2148	3115.5	Detected	2260	Detected	2872.2	Detected	2006.4	Detected	Stx6	0.644005778	0.9219066	0.88778761	1.270885
A_51_P5035	8659.1	Detected	5841.3	Detected	5742.5	Detected	5576.1	Detected	Zfp414	0.643958379	0.66317516	0.95459915	0.983086
A_55_P1989	955.3	Detected	882.7	Detected	767.2	Detected	615	Detected	Tasp1	0.643776824	0.8030985	0.69672595	0.8691515
A_55_P2008	770.5	Detected	459.2	Detected	680.4	Detected	496	Detected	B4galt7	0.643737833	0.88306295	1.08013937	1.4817073
A_55_P2113	17975.4	Detected	10498.8	Detected	16840.4	Detected	11568.8	Detected	Eml1	0.643590685	0.93685815	1.10191641	1.6040309
A_55_P2183	1559.4	Detected	1080.7	Detected	2274.3	Detected	1003.4	Detected	Zfp787	0.64345261	1.45844556	0.92847229	2.1044693
A_51_P4784	14.3	Detected	7.7	Not Detect	17.9	Detected	9.2	Not Detect	Crb1	0.643356643	1.25174825	1.19480519	2.3246753
A_52_P2808	17.1	Detected	13	Not Detect	10.4	Not Detect	11	Not Detect	Defb34	0.643274854	0.60818713	0.84615385	0.8
A_55_P2216	39.5	Detected	23	Detected	30	Detected	25.4	Not Detect	A830021M18Rik	0.643037975	0.75949367	1.10434783	1.3043478
A_55_P2049	404.2	Detected	346	Detected	258.5	Detected	259.9	Detected	Araf	0.642998516	0.63953488	0.75115607	0.7471098
A_55_P2076	16.8	Detected	18.6	Not Detect	11.1	Not Detect	10.8	Not Detect	Lef1	0.642857143	0.66071429	0.58064516	0.5967742
A_52_P8956	1182.3	Detected	1715	Detected	731.2	Detected	759.8	Detected	Rhob	0.642645691	0.61845555	0.44303207	0.4263557
A_55_P2071	49.8	Detected	62.7	Detected	3.1	Not Detect	32	Not Detect	Pr16a1	0.642570281	0.062249	0.51036683	0.0494418
A_52_P1843	15.1	Detected	3.4	Not Detect	12.4	Not Detect	9.7	Not Detect	Actl6b	0.642384106	0.82119205	2.85294118	3.6470588
A_55_P2108	15.1	Detected	4.5	Not Detect	7.8	Not Detect	9.7	Not Detect	Gjc3	0.642384106	0.51655629	2.15555556	1.7333333
A_51_P4627	15.1	Detected	5.6	Not Detect	7.6	Not Detect	9.7	Not Detect	Camkmt	0.642384106	0.50331126	1.73214286	1.3571429
A_55_P2064	38264	Detected	26355.4	Detected	33612.9	Detected	24573.5	Detected	Nxt1	0.642209387	0.8784471	0.93238957	1.2753705
A_55_P1961	208.3	Detected	182.7	Detected	270.6	Detected	133.7	Detected	Zfand5	0.641862698	1.29908785	0.73180077	1.4811166

A_51_P3041	843.6	Detected	1188.2	Detected	657.4	Detected	541.4	Detected	Slc29a2	0.641773352	0.77927928	0.4556472	0.5532739
A_52_P5097	5974.2	Detected	3804.1	Detected	4172.1	Detected	3833.1	Detected	Nup160	0.641608918	0.69835292	1.00762335	1.0967377
A_55_P1977	22357.7	Detected	11582.2	Detected	19170.8	Detected	14342.7	Detected	Dab2ip	0.641510531	0.8574585	1.23833987	1.655195
A_52_P4758	2568.7	Detected	1999.6	Detected	1438.8	Detected	1647.5	Detected	Tmem29	0.641375015	0.56012769	0.82391478	0.7195439
A_55_P2391	332.6	Detected	305.1	Detected	243.5	Detected	213.2	Detected	Ankle2	0.641010222	0.73211064	0.69878728	0.798099
A_66_P1115	46055.3	Detected	19831.2	Detected	41934.6	Detected	29520.6	Detected	Ccnd1	0.640981603	0.91052713	1.48859373	2.114577
A_55_P1966	31287.4	Detected	27298.2	Detected	24682.6	Detected	20052	Detected	Fez2	0.640896975	0.78889905	0.73455393	0.9041842
A_55_P2090	78.8	Detected	77.4	Detected	90.9	Detected	50.5	Not Detect	Ilkap	0.640862944	1.1535533	0.65245478	1.1744186
A_55_P1975	55.4	Detected	4.6	Not Detect	8.1	Not Detect	35.5	Not Detect	Bcl2l15	0.640794224	0.14620939	7.7173913	1.7608696
A_55_P2388	15.3	Detected	24.5	Detected	21.3	Detected	9.8	Not Detect	1700003G18Rik	0.640522876	1.39215686	0.4	0.8693878
A_52_P2347	5121.4	Detected	3760.5	Detected	2420.5	Detected	3279.6	Detected	Pkd2	0.640371773	0.47262467	0.87211807	0.6436644
A_55_P2066	14082.8	Detected	9086.6	Detected	12693.6	Detected	9016.9	Detected	Zfand3	0.640277502	0.90135484	0.99232936	1.3969582
A_55_P1962	16.4	Detected	7.8	Not Detect	8.1	Not Detect	10.5	Not Detect	B230319C09Rik	0.640243902	0.49390244	1.34615385	1.0384615
A_55_P2019	808.1	Detected	592.5	Detected	426.2	Detected	517.3	Detected	Gsto2	0.640143547	0.52740997	0.87308017	0.7193249
A_66_P1341	394.5	Detected	273	Detected	138.8	Detected	252.5	Detected	Snx30	0.640050697	0.35183777	0.92490842	0.5084249
A_55_P1982	102755.8	Detected	78223.2	Detected	76648.3	Detected	65752.5	Detected	Hnrnpa3	0.639890887	0.74592675	0.84057543	0.9798666
A_55_P1954	18.6	Detected	16.1	Not Detect	3.4	Not Detect	11.9	Not Detect	Col26a1	0.639784946	0.1827957	0.73913043	0.2111801
A_52_P4351	421.4	Detected	417.4	Detected	243.8	Detected	269.6	Detected	Stard13	0.639772188	0.5785477	0.64590321	0.584092
A_55_P2003	129	Detected	123.2	Detected	70.6	Detected	82.5	Detected	Kng1	0.639534884	0.54728682	0.66964286	0.5730519
A_55_P2086	17.2	Detected	16.6	Not Detect	24.9	Detected	11	Not Detect	Col23a1	0.639534884	1.44767442	0.6626506	1.5
A_55_P2173	14.7	Detected	15.9	Not Detect	13.6	Not Detect	9.4	Not Detect	Samd3	0.639455782	0.92517007	0.59119497	0.8553459
A_55_P2001	18624.6	Detected	12128.1	Detected	12102.6	Detected	11908.8	Detected	Oser1	0.63941239	0.64981798	0.98191803	0.9978974
A_55_P2033	25662	Detected	11300.9	Detected	14670.1	Detected	16407.3	Detected	Srxn1	0.639361702	0.57166628	1.45185782	1.2981355
A_52_P3534	1117.8	Detected	1010.8	Detected	1035.3	Detected	714.6	Detected	Gm2a	0.639291465	0.92619431	0.70696478	1.0242382
A_55_P1964	43.8	Detected	20.8	Detected	66.5	Detected	28	Not Detect	Kctd14	0.639269406	1.51826484	1.34615385	3.1971154
A_55_P2098	7961.1	Detected	5187.2	Detected	6503.9	Detected	5089.2	Detected	Ttc21b	0.639258394	0.81695997	0.98110734	1.2538364
A_55_P1993	8454.2	Detected	5194.9	Detected	6496.9	Detected	5401.6	Detected	Zfp947	0.638925031	0.76848194	1.03978902	1.2506304
A_52_P6833	19.1	Detected	21.2	Detected	20.8	Detected	12.2	Not Detect	AY074887	0.638743455	1.08900524	0.5754717	0.9811321
A_55_P2413	368.4	Detected	281.8	Detected	272.7	Detected	235.3	Detected	C130090I23Rik	0.638707926	0.74022801	0.83498935	0.9677076
A_52_P6021	16.6	Detected	27.2	Detected	14.3	Not Detect	10.6	Not Detect	Sned1	0.638554217	0.86144578	0.38970588	0.5257353
A_55_P2117	112.3	Detected	198.8	Detected	54	Detected	71.7	Detected	Cacng7	0.638468388	0.48085485	0.36066398	0.2716298
A_55_P2028	13	Not Detect	16.4	Detected	10.3	Not Detect	8.3	Not Detect	A430107P09Rik	0.638461538	0.79230769	0.50609756	0.6280488
A_51_P1682	59.7	Detected	156.1	Detected	24.7	Detected	38.1	Not Detect	Aig1	0.638190955	0.41373534	0.24407431	0.1582319
A_55_P2065	421.9	Detected	253.9	Detected	258.4	Detected	269.1	Detected	Camsap1	0.637828869	0.61246741	1.05986609	1.0177235
A_55_P2122	4436.6	Detected	4103.4	Detected	3020.5	Detected	2829.1	Detected	Csnk1e	0.637672993	0.68081414	0.68945265	0.7360969
A_52_P5018	64.3	Detected	55.5	Detected	42	Detected	41	Not Detect	Ccdc173	0.637636081	0.65318818	0.73873874	0.7567568
A_55_P2149	7101.3	Detected	4780.3	Detected	6997.6	Detected	4526.5	Detected	Aar2	0.637418501	0.98539704	0.9469071	1.4638412
A_55_P2035	60.4	Detected	54.3	Detected	44.5	Detected	38.5	Not Detect	Cyb5d1	0.637417219	0.73675497	0.70902394	0.8195212
A_51_P4649	199.4	Detected	115.2	Detected	181.5	Detected	127.1	Detected	Gabbr1	0.637412237	0.91023069	1.10329861	1.5755208
A_52_P2608	6736.8	Detected	3561.5	Detected	5240.2	Detected	4293.3	Detected	Card10	0.637290702	0.77784705	1.20547522	1.4713463

A_55_P2097	184 Detected	119.6 Detected	140.6 Detected	117.2 Detected	Ptpn1	0.636956522	0.76413043	0.97993311	1.1755853
A_52_P5421	1285.5 Detected	814.2 Detected	788.1 Detected	818.8 Detected	Rb1cc1	0.636950603	0.61306884	1.00564972	0.967944
A_52_P3181	56630.6 Detected	54044.5 Detected	55860.5 Detected	36070.8 Detected	1110038B12Rik	0.636948929	0.98640134	0.66742777	1.0336019
A_55_P2161	44.6 Detected	31.3 Detected	47.9 Detected	28.4 Not Detect	LOC101055747	0.6367713	1.07399103	0.90734824	1.5303514
A_52_P4513	7769.4 Detected	5287.7 Detected	6577.8 Detected	4945.4 Detected	Twsg1	0.636522769	0.84662908	0.93526486	1.2439813
A_55_P2047	26.4 Detected	33.7 Detected	25.8 Detected	16.8 Not Detect	Pla2g1b	0.636363636	0.97727273	0.49851632	0.7655786
A_55_P2134	23.1 Detected	24.1 Detected	10 Not Detect	14.7 Not Detect	Med12l	0.636363636	0.43290043	0.60995851	0.4149378
A_55_P1988	2718.9 Detected	558.6 Detected	2476.8 Detected	1729.7 Detected	Add3	0.636176395	0.91095664	3.09649123	4.433942
A_55_P2335	15.1 Detected	10.6 Not Detect	17.4 Detected	9.6 Not Detect	2900009J06Rik	0.635761589	1.15231788	0.90566038	1.6415094
A_55_P2031	14 Detected	14.6 Not Detect	13.2 Not Detect	8.9 Not Detect	LOC633282	0.635714286	0.94285714	0.60958904	0.9041096
A_51_P4313	915.3 Detected	695.9 Detected	567.7 Detected	581.8 Detected	Ube2w	0.635638588	0.6202338	0.83603966	0.8157781
A_52_P2801	156.8 Detected	84.8 Detected	94.6 Detected	99.6 Detected	Dock4	0.635204082	0.60331633	1.1745283	1.115566
A_55_P2185	44997.8 Detected	28121.5 Detected	32325.8 Detected	28582.5 Detected	Rbms1	0.635197721	0.71838623	1.01639315	1.1495048
A_55_P2134	339.3 Detected	390.1 Detected	219.4 Detected	215.5 Detected	Wdr31	0.635131152	0.64662541	0.55242246	0.5624199
A_51_P3253	10626.6 Detected	6765.8 Detected	7925.4 Detected	6748.1 Detected	Papd4	0.635019668	0.74580769	0.9973839	1.1713914
A_55_P2014	44.1 Detected	37.4 Detected	31.3 Detected	28 Not Detect	Yy2	0.634920635	0.70975057	0.7486631	0.8368984
A_55_P2243	35.6 Detected	21.2 Detected	22.5 Detected	22.6 Not Detect	9530097N15Rik	0.634831461	0.63202247	1.06603774	1.0613208
A_51_P4534	16.7 Detected	5.8 Not Detect	15 Not Detect	10.6 Not Detect	Ror1	0.634730539	0.89820359	1.82758621	2.5862069
A_55_P1988	15.6 Detected	4.5 Not Detect	7.5 Not Detect	9.9 Not Detect	Klrg1	0.634615385	0.48076923	2.2	1.6666667
A_51_P4773	445.4 Detected	492.3 Detected	251.6 Detected	282.6 Detected	Rhob	0.634485855	0.5648855	0.57404022	0.5110705
A_52_P1254	42.4 Detected	30.8 Detected	44.7 Detected	26.9 Not Detect	Reep2	0.634433962	1.05424528	0.87337662	1.4512987
A_51_P2210	54767.9 Detected	26655.4 Detected	44925.6 Detected	34742.6 Detected	Cd47	0.634360638	0.82029072	1.30339819	1.6854221
A_51_P1234	9515.6 Detected	6887.3 Detected	8104.1 Detected	6035.8 Detected	Bub1	0.634305772	0.85166463	0.87636665	1.176673
A_55_P1953	5224 Detected	2651.4 Detected	1446.3 Detected	3313.6 Detected	Nes	0.634303216	0.27685681	1.24975485	0.5454854
A_55_P1977	35.8 Detected	33.8 Detected	11.2 Not Detect	22.7 Not Detect	Gfi1	0.634078212	0.31284916	0.67159763	0.3313609
A_55_P1982	3804.7 Detected	2307 Detected	3549.2 Detected	2412.2 Detected	Cyhr1	0.634005309	0.93284622	1.04560035	1.5384482
A_55_P2037	802.4 Detected	393.3 Detected	542.3 Detected	508.7 Detected	Brd3	0.633973081	0.67584746	1.2934147	1.3788457
A_51_P3977	2279.2 Detected	1245.2 Detected	1612.4 Detected	1444.6 Detected	Csnk2a1	0.633818884	0.70744121	1.16013492	1.2948924
A_66_P1297	85.2 Detected	56.4 Detected	65.8 Detected	54 Detected	Sik2	0.633802817	0.77230047	0.95744681	1.1666667
A_55_P2022	6146.6 Detected	3755.8 Detected	3190.2 Detected	3895.5 Detected	Mta3	0.633765008	0.51901864	1.0371958	0.8494063
A_55_P2055	31.4 Detected	27.1 Detected	16.5 Detected	19.9 Not Detect	Vmn1r48	0.633757962	0.52547771	0.73431734	0.6088561
A_55_P1972	49.4 Detected	35.2 Detected	36.5 Detected	31.3 Not Detect	Arhgap27	0.633603239	0.7388664	0.88920455	1.0369318
A_55_P1980	69548.1 Detected	48647.5 Detected	54610.7 Detected	44062.1 Detected	Aurka	0.63354858	0.78522203	0.90574233	1.1225798
A_55_P2024	45 Detected	21.7 Detected	21.6 Detected	28.5 Not Detect	Gm4221	0.633333333	0.48	1.31336406	0.9953917
A_55_P2184	15 Detected	27 Detected	14.2 Not Detect	9.5 Not Detect	Itgal	0.633333333	0.94666667	0.35185185	0.5259259
A_55_P2035	40970.6 Detected	28084 Detected	29519.2 Detected	25947.1 Detected	Uhrf1	0.633310227	0.72049714	0.92391041	1.0511038
A_51_P3805	6460.4 Detected	4419.8 Detected	4745.4 Detected	4090.8 Detected	Tjap1	0.633211566	0.73453656	0.92556224	1.0736685
A_55_P1992	34.6 Detected	21 Detected	20.3 Detected	21.9 Not Detect	Mboat7	0.632947977	0.5867052	1.04285714	0.9666667
A_55_P2173	15.8 Detected	11.6 Not Detect	8.1 Not Detect	10 Not Detect	Pla2g2d	0.632911392	0.51265823	0.86206897	0.6982759
A_66_P1404	47.1 Detected	45.6 Detected	26.7 Detected	29.8 Not Detect	D430018E03Rik	0.632696391	0.56687898	0.65350877	0.5855263

A_55_P1993	14.7 Detected	3.3 Not Detect	3.4 Not Detect	9.3 Not Detect	Ascl4	0.632653061	0.23129252	2.81818182	1.030303
A_52_P9346	3324.8 Detected	2689.8 Detected	3075.2 Detected	2102.7 Detected	Sdc4	0.632429018	0.92492782	0.78173098	1.143282
A_55_P2162	7714.7 Detected	5063.5 Detected	5643.1 Detected	4878.8 Detected	Dnajc24	0.632403075	0.73147368	0.96352325	1.1144663
A_55_P2013	811.9 Detected	518.5 Detected	670.3 Detected	513.2 Detected	Gm14305	0.632097549	0.82559429	0.98977821	1.2927676
A_55_P2068	7657 Detected	5051.3 Detected	6280.6 Detected	4839.8 Detected	Arfgap1	0.632075225	0.82024291	0.95812959	1.2433631
A_55_P2246	14.4 Detected	7.7 Not Detect	3.9 Not Detect	9.1 Not Detect	5430434115Rik	0.631944444	0.27083333	1.18181818	0.5064935
A_55_P2118	17078.2 Detected	13771 Detected	12843.9 Detected	10791.7 Detected	Chpf	0.631899146	0.75206403	0.78365406	0.9326774
A_52_P2367	20.1 Detected	18.4 Detected	4.7 Not Detect	12.7 Not Detect	Sp7	0.631840796	0.23383085	0.69021739	0.2554348
A_55_P2052	452.1 Detected	276.5 Detected	292.8 Detected	285.6 Detected	Cask	0.631718646	0.64764433	1.03291139	1.0589512
A_52_P5626	194.4 Detected	147.2 Detected	127.6 Detected	122.8 Detected	Srd5a1	0.631687243	0.6563786	0.83423913	0.8668478
A_51_P4792	53.2 Detected	46.6 Detected	29.8 Detected	33.6 Not Detect	Nat8	0.631578947	0.56015038	0.72103004	0.639485
A_51_P4230	18037.9 Detected	9173.3 Detected	10679.2 Detected	11390 Detected	Flot1	0.631448228	0.59204231	1.24164695	1.1641612
A_55_P2021	759.7 Detected	574.7 Detected	737 Detected	479.6 Detected	Klh15	0.63130183	0.97011978	0.83452236	1.2824082
A_51_P3484	767.9 Detected	539.1 Detected	486.6 Detected	484.7 Detected	Rest	0.631201979	0.63367626	0.89909108	0.9026155
A_51_P3797	34.7 Detected	30.8 Detected	21.9 Detected	21.9 Not Detect	Myoz1	0.631123919	0.63112392	0.71103896	0.711039
A_55_P2137	22.5 Detected	91.7 Detected	30 Detected	14.2 Not Detect	AA467197	0.631111111	1.33333333	0.15485278	0.3271538
A_55_P2182	68361.6 Detected	31898.5 Detected	53113.6 Detected	43137.7 Detected	Cd47	0.631022387	0.7769508	1.35234259	1.6650814
A_52_P4809	25203 Detected	19266.9 Detected	24243 Detected	15903.3 Detected	Tnpo1	0.631008213	0.9619093	0.8254208	1.258272
A_51_P5174	490.5 Detected	987.1 Detected	12 Not Detect	309.5 Detected	Cd1d1	0.630988787	0.02446483	0.31354473	0.0121568
A_55_P2052	2721.5 Detected	2525.2 Detected	1997.4 Detected	1716.9 Detected	Zfp280c	0.630865332	0.73393349	0.67990654	0.7909869
A_55_P2163	145.9 Detected	100.3 Detected	94 Detected	92 Detected	Fktn	0.630568883	0.6442769	0.91724826	0.9371884
A_55_P2002	85.8 Detected	58.1 Detected	50.6 Detected	54.1 Detected	Inpp4a	0.630536131	0.58974359	0.93115318	0.8709122
A_55_P2037	5188 Detected	6659.3 Detected	3444.5 Detected	3270 Detected	Palmd	0.630300694	0.66393601	0.4910426	0.5172466
A_51_P3647	6191.2 Detected	4815.3 Detected	5487.3 Detected	3901 Detected	U2af1	0.630087867	0.88630637	0.81012606	1.1395552
A_55_P2048	17.3 Detected	15.9 Not Detect	18.4 Not Detect	10.9 Not Detect	Scgb1b30	0.630057803	1.06358382	0.68553459	1.1572327
A_55_P2293	42.7 Detected	35.2 Detected	32.6 Detected	26.9 Not Detect	4930545H06Rik	0.629976581	0.76346604	0.76420455	0.9261364
A_51_P3171	18.1 Detected	50.9 Detected	3.3 Not Detect	11.4 Not Detect	Pcdhb21	0.629834254	0.18232044	0.22396857	0.064833
A_52_P4678	16.2 Detected	14 Not Detect	17.1 Not Detect	10.2 Not Detect	Urad	0.62962963	1.05555556	0.72857143	1.2214286
A_52_P6019	41656.8 Detected	23379.6 Detected	27822.7 Detected	26227.5 Detected	Lemd2	0.629609091	0.66790296	1.12181132	1.1900417
A_52_P3055	1217.9 Detected	788.7 Detected	864.8 Detected	766.8 Detected	Acp2	0.629608342	0.71007472	0.97223279	1.0964879
A_55_P1998	6966 Detected	2224.4 Detected	2980.1 Detected	4385.8 Detected	Entpd5	0.629600919	0.42780649	1.97167776	1.3397321
A_55_P2180	4646.1 Detected	3135.3 Detected	4086.1 Detected	2924.3 Detected	Uqcc1	0.629409612	0.8794688	0.93270181	1.3032565
A_55_P2119	48.3 Detected	20.4 Detected	36.6 Detected	30.4 Not Detect	Gnal	0.629399586	0.75776398	1.49019608	1.7941176
A_51_P3057	14.3 Detected	3.2 Not Detect	3.3 Not Detect	9 Not Detect	Gm9801	0.629370629	0.23076923	2.8125	1.03125
A_55_P2378	14.3 Detected	5.9 Not Detect	3.3 Not Detect	9 Not Detect	D11Ert80e	0.629370629	0.23076923	1.52542373	0.559322
A_55_P2023	649 Detected	490.6 Detected	380.1 Detected	408.4 Detected	Apex2	0.629275809	0.58567026	0.83245006	0.7747656
A_51_P1767	244.9 Detected	126.6 Detected	213.2 Detected	154.1 Detected	Limd2	0.629236423	0.87055941	1.21721959	1.6840442
A_55_P2114	1899 Detected	6279.2 Detected	505.6 Detected	1194.9 Detected	Greb1	0.629225908	0.26624539	0.19029494	0.0805198
A_55_P2342	36.4 Detected	32.6 Detected	25.2 Detected	22.9 Not Detect	170010111Rik	0.629120879	0.69230769	0.70245399	0.7730061
A_55_P2064	2607.3 Detected	2106.4 Detected	1788 Detected	1640.3 Detected	Tmx3	0.629118245	0.68576689	0.77872199	0.8488416

A_55_P2133	15.9	Detected	17.1	Detected	26.3	Detected	10	Not Detect	Cep120	0.628930818	1.65408805	0.58479532	1.5380117
A_52_P3123	581.8	Detected	412.9	Detected	385.2	Detected	365.9	Detected	Zfp345	0.628910278	0.66208319	0.88617099	0.9329135
A_55_P2180	17134.6	Detected	9241.4	Detected	12799.9	Detected	10775	Detected	Rrbp1	0.628884456	0.74702065	1.16594888	1.3850607
A_55_P2201	121.5	Detected	52.5	Detected	80.2	Detected	76.4	Detected	2310079F09Rik	0.628806584	0.6600823	1.4552381	1.527619
A_55_P1968	451	Detected	251.1	Detected	311.2	Detected	283.5	Detected	Wipi1	0.628603104	0.69002217	1.12903226	1.2393469
A_55_P2085	879.1	Detected	535.5	Detected	703.3	Detected	552.6	Detected	1700037H04Rik	0.628597429	0.80002275	1.03193277	1.313352
A_52_P2859	1401.7	Detected	1002.5	Detected	1083.9	Detected	880.9	Detected	Arfgap2	0.628451166	0.77327531	0.87870324	1.081197
A_55_P1953	15.6	Detected	16	Not Detect	18.4	Detected	9.8	Not Detect	Tmem233	0.628205128	1.17948718	0.6125	1.15
A_55_P2027	314.9	Detected	216	Detected	244.5	Detected	197.8	Detected	Ssh1	0.628135916	0.77643696	0.91574074	1.1319444
A_55_P2094	760.7	Detected	738.5	Detected	440.7	Detected	477.8	Detected	Gm14005	0.628105692	0.57933482	0.64698714	0.5967502
A_51_P4685	524.3	Detected	438.3	Detected	442.2	Detected	329.3	Detected	2810408M09Rik	0.628075529	0.84341026	0.75131189	1.008898
A_52_P5668	28.5	Detected	28.6	Detected	32.8	Detected	17.9	Not Detect	Sla2	0.628070175	1.15087719	0.62587413	1.1468531
A_52_P2430	86.3	Detected	805.6	Detected	3.4	Not Detect	54.2	Detected	Uchl1	0.628041715	0.03939745	0.06727905	0.0042205
A_52_P1041	206.4	Detected	169.8	Detected	295.6	Detected	129.6	Detected	Zfp35	0.627906977	1.43217054	0.76325088	1.7408716
A_55_P2329	4312.4	Detected	4226	Detected	2168.6	Detected	2707.7	Detected	Camkk2	0.627887023	0.50287543	0.64072409	0.5131566
A_55_P2057	1095.6	Detected	365	Detected	704.9	Detected	687.8	Detected	Zfp937	0.627783863	0.64339175	1.88438356	1.9312329
A_55_P2056	11398	Detected	8775	Detected	8854.2	Detected	7154.3	Detected	Tk1	0.627680295	0.77682049	0.81530484	1.0090256
A_55_P2044	5010.9	Detected	4539.7	Detected	4668.6	Detected	3145.2	Detected	Hs2st1	0.627671676	0.93168892	0.69282111	1.0283939
A_66_P1183	14.5	Detected	6.6	Not Detect	13.3	Not Detect	9.1	Not Detect	Ntrk3	0.627586207	0.91724138	1.37878788	2.0151515
A_55_P2133	8499.4	Detected	5440.1	Detected	7378.6	Detected	5333.2	Detected	Nmt2	0.627479587	0.86813187	0.98034963	1.3563354
A_55_P2022	15.3	Detected	8.6	Not Detect	19.1	Detected	9.6	Not Detect	Oxct2b	0.62745098	1.24836601	1.11627907	2.2209302
A_51_P5015	1558.7	Detected	1360.1	Detected	1301.5	Detected	977.8	Detected	Uxs1	0.627317636	0.8349907	0.71891773	0.9569149
A_55_P2152	21843	Detected	18848.2	Detected	15731.8	Detected	13697.7	Detected	Agpat3	0.627097926	0.72022158	0.72673783	0.834658
A_55_P2161	2816.8	Detected	1953.6	Detected	1669.1	Detected	1766.4	Detected	Gm10324	0.627094575	0.59255183	0.9041769	0.8543714
A_55_P2129	907.4	Detected	237.7	Detected	4302.1	Detected	569	Detected	Pilra	0.627066343	4.7411285	2.39377366	18.098864
A_55_P2041	30.3	Detected	20	Detected	31	Detected	19	Not Detect	Nav2	0.627062706	1.02310231	0.95	1.55
A_51_P3204	2910.5	Detected	1858.1	Detected	1795.9	Detected	1824.9	Detected	Rock2	0.627005669	0.61704175	0.98213229	0.9665249
A_55_P2177	15	Detected	75.8	Detected	4.6	Not Detect	9.4	Not Detect	Ccdc162	0.626666667	0.30666667	0.12401055	0.060686
A_55_P1988	323.2	Detected	212	Detected	215	Detected	202.5	Detected	Ssh1	0.62654703	0.66522277	0.95518868	1.0141509
A_66_P1297	29137.3	Detected	18566.5	Detected	24652.4	Detected	18253.6	Detected	Pdia3	0.626468479	0.84607702	0.98314707	1.3277893
A_55_P2070	17.4	Detected	12.7	Not Detect	10.7	Not Detect	10.9	Not Detect	Ankrd36	0.626436782	0.61494253	0.85826772	0.8425197
A_52_P2466	212	Detected	114.9	Detected	89.2	Detected	132.8	Detected	Fam126a	0.626415094	0.42075472	1.15578764	0.7763272
A_51_P3341	18.2	Detected	65	Detected	3.4	Not Detect	11.4	Not Detect	Dcn	0.626373626	0.18681319	0.17538462	0.0523077
A_52_P2404	142.9	Detected	131.4	Detected	106.3	Detected	89.5	Detected	Alms1	0.626312106	0.74387684	0.68112633	0.8089802
A_55_P2182	9349.8	Detected	6351.6	Detected	8057.5	Detected	5855.1	Detected	Faf2	0.626227299	0.86178314	0.92183072	1.268578
A_51_P4625	51.9	Detected	33.7	Detected	84.7	Detected	32.5	Not Detect	Gm10658	0.626204239	1.63198459	0.96439169	2.5133531
A_52_P6377	47022.8	Detected	29299.4	Detected	37180.3	Detected	29443.7	Detected	Ubl4	0.626157949	0.79068665	1.00492502	1.2689782
A_51_P2665	3645.4	Detected	2583.9	Detected	1826	Detected	2282.3	Detected	Zc2hc1a	0.626076699	0.50090525	0.88327722	0.7066837
A_52_P9570	99.2	Detected	50.1	Detected	79.7	Detected	62.1	Detected	Mroh2a	0.626008065	0.80342742	1.23952096	1.5908184
A_52_P1503	360.1	Detected	209.5	Detected	254.1	Detected	225.4	Detected	Kif2a	0.62593724	0.70563732	1.07589499	1.2128878

A_55_P1993	58 Detected	58.5 Detected	24.5 Detected	36.3 Not Detect	Itpkb	0.625862069	0.42241379	0.62051282	0.4188034
A_51_P1481	20579.5 Detected	12822.8 Detected	15263.2 Detected	12879.7 Detected	Rad51	0.625850968	0.74167011	1.00443741	1.1903172
A_52_P2151	524 Detected	2255.2 Detected	296.6 Detected	327.9 Detected	Pik3r6	0.625763359	0.56603053	0.1453973	0.1315183
A_51_P2358	7505 Detected	3762.2 Detected	5618 Detected	4696.1 Detected	Zfp3611	0.625729514	0.74856762	1.24823242	1.4932752
A_55_P1992	108446.6 Detected	80877.8 Detected	99857.2 Detected	67840.9 Detected	Mrps26	0.625569635	0.92079604	0.83880744	1.2346676
A_51_P1211	2235.2 Detected	2449.7 Detected	1566.8 Detected	1398 Detected	Fam132b	0.625447387	0.70096636	0.57068212	0.6395885
A_55_P2119	59 Detected	25.3 Detected	32.2 Detected	36.9 Not Detect	Srrm3	0.625423729	0.54576271	1.45849802	1.2727273
A_52_P2889	197.1 Detected	155.3 Detected	129.9 Detected	123.2 Detected	A630007B06Rik	0.62506342	0.65905632	0.79330328	0.8364456
A_55_P1966	39167.6 Detected	21550.6 Detected	43063.7 Detected	24481.8 Detected	Pdpf	0.625052339	1.09947252	1.13601477	1.9982599
A_55_P2065	14.4 Detected	8.7 Not Detect	6 Not Detect	9 Not Detect	Sstr2	0.625	0.41666667	1.03448276	0.6896552
A_55_P1977	13.6 Detected	9.8 Not Detect	3.8 Not Detect	8.5 Not Detect	Cxcl9	0.625	0.27941176	0.86734694	0.3877551
A_52_P6642	85 Detected	63.3 Detected	63.4 Detected	53.1 Detected	Zfp560	0.624705882	0.74588235	0.83886256	1.0015798
A_55_P1993	1588.8 Detected	2498.6 Detected	882.3 Detected	992.5 Detected	Lrp12	0.624685297	0.55532477	0.39722244	0.3531177
A_55_P2069	30097 Detected	12902 Detected	19827 Detected	18801.1 Detected	Trim44	0.624683523	0.65876998	1.45722369	1.5367385
A_51_P4543	312.2 Detected	214.8 Detected	194.4 Detected	194.9 Detected	Zfp772	0.624279308	0.62267777	0.90735568	0.9050279
A_51_P1642	1082.9 Detected	1547.7 Detected	908.8 Detected	676 Detected	Nme4	0.6242497	0.839228	0.43677715	0.5871939
A_52_P2436	16.5 Detected	7 Not Detect	7.6 Not Detect	10.3 Not Detect	Lrriq3	0.624242424	0.46060606	1.47142857	1.0857143
A_65_P0657	561 Detected	459.7 Detected	384.8 Detected	350.2 Detected	Smad5	0.624242424	0.685918	0.76180117	0.8370677
A_52_P2095	76.9 Detected	100.7 Detected	51.3 Detected	48 Not Detect	Cacnb2	0.624187256	0.66710013	0.47666336	0.509434
A_55_P1977	98.7 Detected	71.7 Detected	68.7 Detected	61.6 Detected	Cdc7	0.624113475	0.69604863	0.85913529	0.958159
A_55_P1985	482.1 Detected	402.3 Detected	373.4 Detected	300.8 Detected	Thumpd2	0.623936943	0.77452811	0.74770072	0.9281631
A_51_P4337	104.5 Detected	80.1 Detected	79.4 Detected	65.2 Detected	Tert	0.623923445	0.75980861	0.81398252	0.9912609
A_51_P4384	7225.1 Detected	4352.1 Detected	5253.1 Detected	4507.8 Detected	Zfp281	0.62390832	0.7270626	1.03577583	1.2070265
A_55_P2004	297 Detected	235.7 Detected	228.4 Detected	185.3 Detected	Btrc	0.623905724	0.76902357	0.78616886	0.9690284
A_55_P2466	166.6 Detected	109.9 Detected	133.1 Detected	103.9 Detected	Ttc21b	0.62364946	0.79891957	0.94540491	1.211101
A_55_P2115	178.8 Detected	91.1 Detected	104.9 Detected	111.5 Detected	Zfp808	0.62360179	0.58668904	1.22392975	1.1514819
A_55_P2032	194.7 Detected	177.1 Detected	135.8 Detected	121.4 Detected	Slc25a37	0.623523369	0.69748331	0.68548842	0.7667984
A_51_P2835	311.8 Detected	209.3 Detected	267.6 Detected	194.4 Detected	Zbtb26	0.623476588	0.85824246	0.92881032	1.2785475
A_55_P2141	32.4 Detected	25.6 Detected	24.2 Detected	20.2 Not Detect	4930577H14Rik	0.62345679	0.74691358	0.7890625	0.9453125
A_55_P2159	13348.9 Detected	9928 Detected	10367.2 Detected	8320 Detected	Acvr1	0.62327233	0.77663328	0.83803384	1.0442385
A_55_P2382	41.4 Detected	26 Detected	30.1 Detected	25.8 Not Detect	4933435E02Rik	0.623188406	0.72705314	0.99230769	1.1576923
A_52_P1970	708 Detected	721 Detected	377.3 Detected	441.2 Detected	Cdk17	0.623163842	0.5329096	0.61192788	0.523301
A_51_P4900	55918.7 Detected	25758.7 Detected	26605.8 Detected	34835 Detected	Tubb2a	0.622957973	0.47579432	1.35235862	1.032886
A_55_P2346	24.4 Detected	20.1 Detected	20.9 Detected	15.2 Not Detect	A430105D02Rik	0.62295082	0.85655738	0.75621891	1.039801
A_55_P1973	17.5 Detected	26.8 Detected	82.2 Detected	10.9 Not Detect	Gm2959	0.622857143	4.69714286	0.40671642	3.0671642
A_55_P1958	40.3 Detected	54.9 Detected	26.3 Detected	25.1 Not Detect	Slit2	0.622828784	0.65260546	0.4571949	0.4790528
A_65_P1928	5772.6 Detected	6391.1 Detected	5856.2 Detected	3593.6 Detected	Alg10b	0.622527111	1.01448221	0.56228192	0.9163055
A_55_P2129	576.5 Detected	410.6 Detected	462.1 Detected	358.8 Detected	Pkig	0.622376409	0.80156114	0.87384316	1.1254262
A_55_P1984	70.4 Detected	64.6 Detected	41.3 Detected	43.8 Not Detect	Zbtb1	0.622159091	0.58664773	0.67801858	0.6393189
A_55_P1970	3663.6 Detected	3117.3 Detected	3098.7 Detected	2279.2 Detected	B3gnt2	0.622120319	0.8458074	0.73114554	0.9940333

A_52_P4518	3284.1	Detected	1885.3	Detected	1961.9	Detected	2042.7	Detected	Stk35	0.621996894	0.5973935	1.08348804	1.0406301
A_51_P3456	21552.9	Detected	12319.5	Detected	14595.7	Detected	13403.8	Detected	Rrbp1	0.621902389	0.67720353	1.08801494	1.184764
A_55_P1958	41.5	Detected	27.2	Detected	33.1	Detected	25.8	Not Detect	Gm3081	0.621686747	0.79759036	0.94852941	1.2169118
A_55_P1983	218.5	Detected	414.9	Detected	92.3	Detected	135.8	Detected	Aldh11l1	0.621510297	0.42242563	0.32730779	0.2224632
A_52_P1085	253.6	Detected	199.9	Detected	144.7	Detected	157.6	Detected	Slc4a7	0.621451104	0.5705836	0.7883942	0.7238619
A_55_P2183	16.1	Detected	13.9	Not Detect	3.7	Not Detect	10	Not Detect	Ptn	0.621118012	0.22981366	0.71942446	0.2661871
A_55_P2356	16.1	Detected	24.8	Detected	9.3	Not Detect	10	Not Detect	Anks1b	0.621118012	0.57763975	0.40322581	0.375
A_55_P1973	34.3	Detected	26	Detected	15.2	Not Detect	21.3	Not Detect	Cldn17	0.620991254	0.44314869	0.81923077	0.5846154
A_55_P2171	1722.8	Detected	1149.8	Detected	1581	Detected	1069.7	Detected	Mrgbp	0.620907824	0.91769213	0.93033571	1.3750217
A_51_P3862	366.8	Detected	338.5	Detected	295.7	Detected	227.7	Detected	Olf187	0.620774264	0.8061614	0.67267356	0.8735598
A_51_P2412	143.7	Detected	63.3	Detected	82.9	Detected	89.2	Detected	A030005L19Rik	0.620737648	0.57689631	1.40916272	1.3096367
A_55_P2178	2163.1	Detected	1381.5	Detected	1888.9	Detected	1342.7	Detected	Fam20b	0.620729509	0.87323748	0.97191459	1.3672819
A_52_P6833	1347.3	Detected	1031.7	Detected	1040.3	Detected	836.3	Detected	Fam13b	0.620722927	0.77213687	0.81060386	1.0083358
A_55_P2046	17.4	Detected	16.4	Not Detect	12	Not Detect	10.8	Not Detect	Mmp27	0.620689655	0.68965517	0.65853659	0.7317073
A_51_P4129	17.4	Detected	24.7	Detected	8.3	Not Detect	10.8	Not Detect	Krt27	0.620689655	0.47701149	0.43724696	0.3360324
A_55_P1974	8806.4	Detected	3624	Detected	9120.1	Detected	5465.5	Detected	Rbmx	0.62062818	1.03562182	1.50814018	2.5165839
A_55_P2003	158.6	Detected	94.1	Detected	133	Detected	98.4	Detected	Bfsp1	0.620428752	0.83858764	1.04569607	1.41339
A_55_P2031	26.6	Detected	14.5	Not Detect	12.6	Not Detect	16.5	Not Detect	Olf1345	0.620300752	0.47368421	1.13793103	0.8689655
A_55_P1990	398.8	Detected	304.4	Detected	231	Detected	247.2	Detected	Plscr3	0.619859579	0.57923771	0.81208936	0.7588699
A_55_P2071	8422.4	Detected	6774.5	Detected	7931.8	Detected	5220.5	Detected	Asap1	0.619835201	0.94175057	0.77061038	1.1708318
A_55_P1981	10393.9	Detected	6462.6	Detected	7484.2	Detected	6441.7	Detected	Cul4b	0.619757743	0.72005696	0.99676601	1.1580788
A_52_P1609	6641.9	Detected	6261.9	Detected	6101.3	Detected	4115.8	Detected	Gusb	0.619672082	0.91860763	0.65727655	0.9743528
A_55_P2011	23.4	Detected	12.9	Not Detect	21.7	Detected	14.5	Not Detect	Tenm2	0.61965812	0.92735043	1.12403101	1.6821705
A_51_P2187	20629.8	Detected	10014.3	Detected	11832.7	Detected	12778.3	Detected	Rgs10	0.619409786	0.57357318	1.27600531	1.1815803
A_55_P2042	900.1	Detected	952.5	Detected	341.4	Detected	557.4	Detected	Dpysl3	0.619264526	0.37929119	0.58519685	0.3584252
A_55_P2093	261.3	Detected	178.8	Detected	266.3	Detected	161.7	Detected	Zfp458	0.618828932	1.01913509	0.90436242	1.4893736
A_66_P1059	123.3	Detected	66.2	Detected	82	Detected	76.3	Detected	Drp2	0.618815896	0.66504461	1.15256798	1.2386707
A_52_P2154	984.7	Detected	747	Detected	736.9	Detected	609.2	Detected	Armc9	0.618665583	0.74834975	0.81552878	0.9864793
A_55_P2059	3480.4	Detected	2119.4	Detected	3358.1	Detected	2153	Detected	Zfp943	0.618607057	0.96486036	1.01585354	1.5844579
A_55_P2025	137.1	Detected	115.9	Detected	132.8	Detected	84.8	Detected	Rps27a	0.618526623	0.96863603	0.73166523	1.1458154
A_55_P1976	6598.7	Detected	6936.9	Detected	3487.9	Detected	4079.5	Detected	Lman2l	0.618227833	0.52857381	0.5880869	0.5028038
A_55_P2036	16.5	Detected	14.2	Not Detect	15.1	Not Detect	10.2	Not Detect	AV320801	0.618181818	0.91515152	0.71830986	1.0633803
A_52_P6241	751.4	Detected	575.5	Detected	549.5	Detected	464.5	Detected	Gm5039	0.618179398	0.73130157	0.80712424	0.9548219
A_55_P1957	74.9	Detected	82.8	Detected	18.3	Detected	46.3	Detected	Gareml	0.618157543	0.24432577	0.55917874	0.2210145
A_66_P1183	349.3	Detected	211.8	Detected	263.8	Detected	215.9	Detected	1700047G07Rik	0.61809333	0.75522474	1.01935788	1.2455146
A_55_P1982	58.6	Detected	40.9	Detected	34.8	Detected	36.2	Not Detect	Kdm4a	0.61774744	0.59385666	0.88508557	0.8508557
A_66_P1177	30.6	Detected	14.8	Not Detect	17.5	Not Detect	18.9	Not Detect	Lipo4	0.617647059	0.57189542	1.27702703	1.1824324
A_52_P4803	43276.3	Detected	21090.6	Detected	25135	Detected	26723	Detected	Dut	0.617497337	0.58080289	1.26705736	1.1917632
A_55_P1975	14.9	Detected	12.1	Not Detect	9.2	Not Detect	9.2	Not Detect	Rhox4g	0.617449664	0.61744966	0.76033058	0.7603306
A_52_P1055	178	Detected	184.7	Detected	144.2	Detected	109.9	Detected	Asah2	0.61741573	0.81011236	0.59501895	0.7807255

A_51_P1855	374.7	Detected	203.8	Detected	260.5	Detected	231.3	Detected	Zfp935	0.617293835	0.69522284	1.13493621	1.2782139
A_55_P2016	9719.2	Detected	5232.5	Detected	9843.7	Detected	5998.9	Detected	Alkbh7	0.617221582	1.0128097	1.14646918	1.8812613
A_55_P2116	243.7	Detected	129.5	Detected	175.2	Detected	150.4	Detected	Xirp1	0.617152236	0.7189167	1.16138996	1.3528958
A_65_P1931	4264	Detected	2266.4	Detected	220.8	Detected	2629.7	Detected	Soga1	0.616721388	0.05178236	1.16029827	0.0974232
A_66_P1196	739.9	Detected	596.7	Detected	579.3	Detected	456.3	Detected	Smc5	0.61670496	0.78294364	0.76470588	0.9708396
A_55_P2147	36819.3	Detected	26396.7	Detected	34677.2	Detected	22702	Detected	Cstf1	0.616578805	0.94182127	0.86003175	1.3136945
A_52_P2847	16594.3	Detected	11742.1	Detected	12842.2	Detected	10230.5	Detected	Rae1	0.616506873	0.77389224	0.87126664	1.0936885
A_51_P3741	120.7	Detected	82.9	Detected	97.4	Detected	74.4	Detected	Pard6b	0.616404308	0.8069594	0.89746683	1.1749095
A_52_P1442	5631.5	Detected	3290.8	Detected	3882.7	Detected	3471.1	Detected	Rbms1	0.616372192	0.68946107	1.05478911	1.1798651
A_55_P2282	15.9	Detected	3.6	Not Detect	70.2	Detected	9.8	Not Detect	4930484H19Rik	0.616352201	4.41509434	2.72222222	19.5
A_55_P2121	17.2	Detected	7.8	Not Detect	6.5	Not Detect	10.6	Not Detect	Tomt	0.61627907	0.37790698	1.35897436	0.8333333
A_52_P5263	60.2	Detected	47.2	Detected	5.8	Not Detect	37.1	Not Detect	Zeb2	0.61627907	0.09634551	0.78601695	0.1228814
A_55_P2180	103.7	Detected	82.3	Detected	93.9	Detected	63.9	Detected	Zfp740	0.616200579	0.90549662	0.7764277	1.1409478
A_51_P1268	3158.3	Detected	1782.6	Detected	2069.9	Detected	1946	Detected	Arl14ep	0.61615426	0.65538423	1.09166386	1.1611691
A_51_P2399	11677.9	Detected	10742	Detected	10295.9	Detected	7194.9	Detected	Exo1	0.616112486	0.8816568	0.66979147	0.9584714
A_55_P1952	5814.3	Detected	2993.8	Detected	3021.7	Detected	3582.2	Detected	Spry1	0.61610168	0.51970143	1.19653951	1.0093193
A_55_P2069	1813.9	Detected	965.1	Detected	1411.2	Detected	1117.4	Detected	D5Erd579e	0.616020729	0.77799217	1.15780748	1.4622319
A_55_P2022	47.9	Detected	28.7	Detected	34.7	Detected	29.5	Not Detect	Arvcf	0.615866388	0.72442589	1.02787456	1.2090592
A_55_P2057	3073.4	Detected	2044	Detected	2815.4	Detected	1891.9	Detected	Ppm1b	0.61557233	0.91605388	0.92558708	1.3773973
A_55_P2056	42.4	Detected	29.6	Detected	39.7	Detected	26.1	Not Detect	Fpr3	0.615566038	0.93632075	0.88175676	1.3412162
A_55_P2047	38.2	Detected	47.5	Detected	15	Not Detect	23.5	Not Detect	Cubn	0.615183246	0.39267016	0.49473684	0.3157895
A_55_P1964	25846	Detected	9401.8	Detected	16219.9	Detected	15899	Detected	Cxadr	0.615143543	0.62755939	1.69105916	1.7251909
A_55_P2010	9486.2	Detected	8177.8	Detected	8297	Detected	5834.1	Detected	Fastkd5	0.615009171	0.87463895	0.71340703	1.014576
A_51_P1466	14260.7	Detected	11490.7	Detected	8813.7	Detected	8769	Detected	Bicc1	0.614906702	0.61804119	0.76313889	0.767029
A_55_P2129	357.8	Detected	91	Detected	1944.3	Detected	220	Detected	Pilra	0.614868642	5.43404136	2.41758242	21.365934
A_55_P2143	14	Detected	17.1	Detected	15.6	Detected	8.6	Not Detect	AU015228	0.614285714	1.11428571	0.50292398	0.9122807
A_51_P4345	4606.4	Detected	3283.2	Detected	2865	Detected	2829.5	Detected	Dtwd1	0.614254081	0.62196075	0.86181165	0.8726243
A_55_P2220	46.9	Detected	32.9	Detected	29.6	Detected	28.8	Not Detect	C230094B09Rik	0.614072495	0.63113006	0.87537994	0.899696
A_52_P2682	3228	Detected	1902.2	Detected	2658	Detected	1981.9	Detected	Fbxl17	0.613971499	0.82342007	1.04189885	1.3973294
A_55_P2015	41.7	Detected	41.1	Detected	26.7	Detected	25.6	Not Detect	Efcab7	0.613908873	0.64028777	0.62287105	0.649635
A_52_P4970	69.4	Detected	45.3	Detected	44.4	Detected	42.6	Not Detect	Spred3	0.613832853	0.63976945	0.94039735	0.9801325
A_55_P2098	14.5	Detected	12.2	Not Detect	6.6	Not Detect	8.9	Not Detect	Trim30c	0.613793103	0.45517241	0.7295082	0.5409836
A_55_P1978	5309.2	Detected	4894.1	Detected	4751.6	Detected	3258	Detected	Park2	0.613651774	0.89497476	0.66569952	0.9708833
A_55_P2173	2292	Detected	1499.2	Detected	1583.9	Detected	1406.2	Detected	Kif2a	0.613525305	0.69105585	0.93796692	1.0564968
A_51_P1005	1740.7	Detected	1059.4	Detected	1192.7	Detected	1067.5	Detected	Map3k3	0.613259034	0.68518412	1.00764584	1.1258259
A_55_P2051	2447.4	Detected	2423.1	Detected	2293.7	Detected	1500.8	Detected	Pvt1	0.613222195	0.93719866	0.61937188	0.9465973
A_52_P4875	324.7	Detected	738.7	Detected	587.6	Detected	199.1	Detected	Thnsl2	0.613181398	1.80967047	0.26952755	0.7954515
A_55_P1972	285.4	Detected	190.5	Detected	227.6	Detected	175	Detected	Zfp944	0.613174492	0.79747722	0.91863517	1.1947507
A_55_P2096	1362.3	Detected	1058.9	Detected	1110.3	Detected	835.3	Detected	Cdc42bpa	0.613154224	0.81501872	0.78883747	1.0485409
A_55_P1974	3973.8	Detected	2702.5	Detected	2426.8	Detected	2436.1	Detected	Lime1	0.613040415	0.61070009	0.90142461	0.8979833

A_55_P2028	107.5	Detected	110.8	Detected	32.6	Detected	65.9	Detected	Pik3cd	0.613023256	0.30325581	0.59476534	0.2942238
A_51_P2216	39348.2	Detected	23277.1	Detected	31105.5	Detected	24120.8	Detected	1700037H04Rik	0.613008981	0.79051901	1.03624592	1.3363134
A_55_P2042	1102.3	Detected	1524.3	Detected	748.5	Detected	675.2	Detected	Sh3bp2	0.612537422	0.67903475	0.44295742	0.4910451
A_51_P1024	14.7	Detected	15.4	Not Detect	22.5	Detected	9	Not Detect	Jph3	0.612244898	1.53061224	0.58441558	1.461039
A_55_P2115	4067.7	Detected	2723.3	Detected	3442.1	Detected	2489.7	Detected	Pdhx	0.612065787	0.84620301	0.91422172	1.2639445
A_55_P2182	34.5	Detected	46.4	Detected	32.9	Detected	21.1	Not Detect	AF067061	0.611594203	0.95362319	0.45474138	0.7090517
A_55_P2303	13.9	Detected	9.2	Not Detect	9.5	Not Detect	8.5	Not Detect	2810471M01Rik	0.611510791	0.68345324	0.92391304	1.0326087
A_55_P2058	17940.7	Detected	10206.7	Detected	12098.4	Detected	10968.9	Detected	Hnrnpa3	0.611397549	0.67435496	1.07467644	1.185339
A_52_P3633	16.2	Detected	3.5	Not Detect	11	Not Detect	9.9	Not Detect	Ccdc110	0.611111111	0.67901235	2.82857143	3.1428571
A_51_P2915	16.2	Detected	22.5	Detected	22.4	Detected	9.9	Not Detect	Ccno	0.611111111	1.38271605	0.44	0.9955556
A_51_P1016	40601.6	Detected	23686.5	Detected	36043.6	Detected	24806	Detected	Stub1	0.610961144	0.88773841	1.04726321	1.5216938
A_55_P2127	210.5	Detected	145.2	Detected	116.4	Detected	128.6	Detected	Tpsb2	0.610926366	0.55296912	0.88567493	0.8016529
A_52_P3176	221.8	Detected	152.9	Detected	177.9	Detected	135.5	Detected	Car1	0.61091073	0.80207394	0.88620013	1.1635056
A_55_P2279	108.6	Detected	97.9	Detected	53.6	Detected	66.3	Detected	F830014O18Rik	0.610497238	0.49355433	0.67722165	0.5474974
A_52_P3692	878.5	Detected	694.5	Detected	687.3	Detected	536.3	Detected	Morn2	0.610472396	0.78235629	0.77221022	0.9896328
A_55_P2219	15.4	Detected	15.8	Not Detect	13.7	Not Detect	9.4	Not Detect	D3Erd711e	0.61038961	0.88961039	0.59493671	0.8670886
A_55_P1980	36987.8	Detected	25600	Detected	30717	Detected	22576.1	Detected	Ube2i	0.610366121	0.83046302	0.88187891	1.1998828
A_65_P0428	197.1	Detected	114.7	Detected	122	Detected	120.3	Detected	Erap1	0.610350076	0.61897514	1.04882302	1.0636443
A_51_P1890	19.5	Detected	21.8	Detected	30.7	Detected	11.9	Not Detect	Akr1c6	0.61025641	1.57435897	0.54587156	1.4082569
A_55_P2004	480.5	Detected	323.1	Detected	432.8	Detected	293.2	Detected	Csrp2bp	0.610197711	0.90072841	0.90745899	1.3395234
A_55_P2150	17.7	Detected	10.1	Not Detect	8.5	Not Detect	10.8	Not Detect	Ccdc85c	0.610169492	0.48022599	1.06930693	0.8415842
A_66_P1393	96.4	Detected	64.8	Detected	70.4	Detected	58.8	Detected	Trp53bp1	0.609958506	0.73029046	0.90740741	1.0864198
A_51_P4055	36342.5	Detected	26320.4	Detected	26741.7	Detected	22163.5	Detected	Msh6	0.609850726	0.73582445	0.84206547	1.0160066
A_55_P2157	37.4	Detected	41.9	Detected	44.3	Detected	22.8	Not Detect	Mlt3	0.609625668	1.18449198	0.54415274	1.0572792
A_51_P2963	1209	Detected	949.2	Detected	1055.8	Detected	736.7	Detected	Ahcy11	0.609346567	0.87328371	0.77612727	1.1123051
A_51_P2658	538.8	Detected	178.7	Detected	371.4	Detected	328.3	Detected	Clca2	0.609317001	0.68930958	1.83715725	2.0783436
A_55_P2317	15.1	Detected	3.2	Not Detect	3.2	Not Detect	9.2	Not Detect	C230021G24Rik	0.609271523	0.21192053	2.875	1
A_51_P1486	62.7	Detected	46.8	Detected	38.5	Detected	38.2	Not Detect	Pou6f2	0.609250399	0.61403509	0.81623932	0.8226496
A_55_P2009	26.6	Detected	20.2	Detected	24.8	Detected	16.2	Not Detect	Gm5751	0.609022556	0.93233083	0.8019802	1.2277228
A_55_P2174	1250.3	Detected	998.8	Detected	120.8	Detected	761.3	Detected	Sprr1b	0.608893865	0.09661681	0.76221466	0.1209451
A_55_P2293	5919	Detected	3157.2	Detected	6338.6	Detected	3603.7	Detected	Cldn18	0.608835952	1.07089035	1.14142278	2.007665
A_55_P1969	1063.9	Detected	566.9	Detected	815.1	Detected	647.7	Detected	Zfp758	0.608797819	0.76614343	1.14252955	1.4378197
A_55_P2116	198	Detected	126.4	Detected	118.6	Detected	120.5	Detected	Tnpo1	0.608585859	0.5989899	0.95332278	0.9382911
A_55_P2001	2942.8	Detected	1865	Detected	2718.8	Detected	1790.8	Detected	Cacul1	0.608536088	0.92388202	0.96021448	1.4578016
A_55_P1991	16.6	Detected	15	Not Detect	21.7	Detected	10.1	Not Detect	Scarletltr	0.608433735	1.30722892	0.67333333	1.4466667
A_55_P2294	14.3	Detected	3.4	Not Detect	10.1	Not Detect	8.7	Not Detect	Tanc2	0.608391608	0.70629371	2.55882353	2.9705882
A_51_P4093	100.6	Detected	65.1	Detected	18.6	Detected	61.2	Detected	Trim29	0.608349901	0.18489066	0.94009217	0.2857143
A_52_P2148	33.7	Detected	28.6	Detected	23.5	Detected	20.5	Not Detect	Hamp2	0.608308605	0.69732938	0.71678322	0.8216783
A_51_P4135	14.8	Detected	5.5	Not Detect	3.2	Not Detect	9	Not Detect	Ranbp17	0.608108108	0.21621622	1.63636364	0.5818182
A_55_P1987	14.8	Detected	7.6	Not Detect	15.6	Not Detect	9	Not Detect	Prl3a1	0.608108108	1.05405405	1.18421053	2.0526316

A_55_P2047	30.6	Detected	73.5	Detected	14.6	Not Detect	18.6	Not Detect	Chst13	0.607843137	0.47712418	0.25306122	0.1986395
A_55_P1996	23132.5	Detected	20953.2	Detected	23003.8	Detected	14060.3	Detected	D030056L22Rik	0.607815844	0.9944364	0.67103354	1.0978657
A_55_P2367	326.9	Detected	175.9	Detected	169.1	Detected	198.6	Detected	Spaca6	0.607525237	0.51728357	1.1290506	0.9613417
A_66_P1229	70.3	Detected	45.4	Detected	39.5	Detected	42.7	Detected	Mbd5	0.607396871	0.56187767	0.94052863	0.8700441
A_52_P5278	146.2	Detected	296.7	Detected	110	Detected	88.8	Detected	Emilin2	0.607387141	0.75239398	0.29929221	0.3707449
A_51_P3383	6613.3	Detected	2677.2	Detected	2912	Detected	4016.5	Detected	Rhoq	0.607336731	0.4403248	1.50026147	1.0877036
A_51_P4386	28	Detected	27.7	Detected	8.7	Not Detect	17	Not Detect	Sobp	0.607142857	0.31071429	0.61371841	0.3140794
A_55_P2138	14	Detected	21.5	Detected	23.2	Detected	8.5	Not Detect	Gm17769	0.607142857	1.65714286	0.39534884	1.0790698
A_55_P2117	46.3	Detected	19.1	Detected	45.1	Detected	28.1	Not Detect	Azi2	0.606911447	0.97408207	1.47120419	2.3612565
A_55_P1958	16202.7	Detected	8496.9	Detected	18670.3	Detected	9830.4	Detected	Nek6	0.606713696	1.15229561	1.15693959	2.1973073
A_66_P1251	88.2	Detected	85.3	Detected	36.2	Detected	53.5	Not Detect	1700057H15Rik	0.606575964	0.41043084	0.62719812	0.4243845
A_55_P2367	24.4	Detected	22.3	Detected	22.6	Detected	14.8	Not Detect	4833421G17Rik	0.606557377	0.92622951	0.66367713	1.0134529
A_55_P2039	18.3	Detected	15.6	Detected	14.3	Not Detect	11.1	Not Detect	Zfp605	0.606557377	0.78142077	0.71153846	0.9166667
A_55_P2022	19552.6	Detected	12647.3	Detected	15780.7	Detected	11856.9	Detected	Csnk2a1	0.606410401	0.80708959	0.93750445	1.2477525
A_51_P4588	16	Detected	17.9	Detected	20.5	Detected	9.7	Not Detect	Ina	0.60625	1.28125	0.54189944	1.1452514
A_66_P1327	33.5	Detected	27	Detected	19.7	Detected	20.3	Not Detect	Il20	0.605970149	0.5880597	0.75185185	0.7296296
A_55_P2036	93863	Detected	70947.8	Detected	77236.8	Detected	56870.4	Detected	Ssrp1	0.605887304	0.82286737	0.80158088	1.0886426
A_55_P2013	72.7	Detected	62.8	Detected	50.3	Detected	44	Not Detect	Agbl4	0.60522696	0.69188446	0.70063694	0.8009554
A_55_P1978	15.7	Detected	67.1	Detected	6.8	Not Detect	9.5	Not Detect	Adamts14	0.605095541	0.43312102	0.14157973	0.1013413
A_55_P2135	16.2	Detected	11.2	Not Detect	3.5	Not Detect	9.8	Not Detect	Pkd1l2	0.604938272	0.21604938	0.875	0.3125
A_55_P2041	42173.6	Detected	28410.9	Detected	26710.5	Detected	25510.1	Detected	Ccnd3	0.60488315	0.63334645	0.89789834	0.9401497
A_55_P1989	3518.9	Detected	1488.1	Detected	2444.5	Detected	2128.2	Detected	Slc22a23	0.60479127	0.69467731	1.43014582	1.6426987
A_55_P1952	7575.3	Detected	6066.9	Detected	5388.7	Detected	4580.9	Detected	Xylt2	0.604715325	0.71135137	0.75506437	0.8882131
A_52_P7714	39.2	Detected	39.4	Detected	32.3	Detected	23.7	Not Detect	1110035M17Rik	0.604591837	0.82397959	0.60152284	0.819797
A_55_P2020	3317.7	Detected	2084.8	Detected	3012.2	Detected	2005.7	Detected	Ehd4	0.604545318	0.90791814	0.96205871	1.4448388
A_52_P3247	929.5	Detected	810.8	Detected	377.1	Detected	561.8	Detected	Tmed8	0.604410974	0.40570199	0.69289591	0.4650962
A_52_P6679	36.4	Detected	28.1	Detected	38.5	Detected	22	Not Detect	Tcte2	0.604395604	1.05769231	0.78291815	1.3701068
A_51_P2921	14.4	Detected	7.5	Not Detect	3.1	Not Detect	8.7	Not Detect	Prl7d1	0.604166667	0.21527778	1.16	0.4133333
A_55_P1988	58.6	Detected	50	Detected	62	Detected	35.4	Not Detect	Rbpjl	0.604095563	1.05802048	0.708	1.24
A_55_P1964	1860.5	Detected	1053.5	Detected	1369.7	Detected	1123.9	Detected	Dnrtip1	0.604084923	0.73619995	1.06682487	1.3001424
A_55_P2187	24.5	Detected	12.1	Not Detect	16.6	Not Detect	14.8	Not Detect	4930505N22Rik	0.604081633	0.67755102	1.2231405	1.3719008
A_55_P2154	381.7	Detected	253.1	Detected	350.6	Detected	230.5	Detected	Pofut1	0.603877391	0.9185224	0.91070723	1.3852232
A_55_P2084	459	Detected	324.3	Detected	341.4	Detected	277.1	Detected	Polr3f	0.603703704	0.74379085	0.85445575	1.052729
A_55_P2027	28	Detected	27	Detected	19.4	Detected	16.9	Not Detect	Fsd1l	0.603571429	0.69285714	0.62592593	0.7185185
A_66_P1220	1315.6	Detected	1451.5	Detected	1126.6	Detected	793.9	Detected	Zc3h8	0.603450897	0.85633931	0.54695143	0.7761626
A_55_P2189	655.5	Detected	362.6	Detected	518.7	Detected	395.4	Detected	LOC106740	0.603203661	0.79130435	1.0904578	1.4305019
A_55_P2149	2522.4	Detected	1502	Detected	1418.9	Detected	1521.5	Detected	Prx	0.603195369	0.56251982	1.01298269	0.9446738
A_55_P2071	10005.5	Detected	6824.6	Detected	4878.1	Detected	6034.5	Detected	Tnfrsf23	0.603118285	0.48754185	0.88422765	0.7147818
A_55_P2047	588.6	Detected	715.4	Detected	270.6	Detected	354.9	Detected	Cubn	0.602956167	0.45973496	0.49608611	0.3782499
A_52_P2390	507.4	Detected	372.8	Detected	407.7	Detected	305.8	Detected	Zfp955b	0.602680331	0.80350808	0.82027897	1.0936159

A_55_P2067	15.1 Detected	121.2 Detected	3.3 Not Detect	9.1 Not Detect	Slc13a3	0.602649007	0.21854305	0.07508251	0.0272277
A_55_P2029	1835.1 Detected	1200 Detected	1407.8 Detected	1105.7 Detected	Gm6712	0.602528473	0.76715165	0.92141667	1.1731667
A_55_P2143	6421.7 Detected	4634.7 Detected	5532.2 Detected	3868.5 Detected	Axin1	0.602410577	0.86148528	0.83468186	1.1936479
A_55_P2111	91.8 Detected	67.7 Detected	79.3 Detected	55.3 Detected	E230008N13Rik	0.602396514	0.86383442	0.816839	1.1713442
A_55_P2007	21622.9 Detected	9642.8 Detected	19504.3 Detected	13025.2 Detected	Agps	0.602379884	0.90202054	1.35076949	2.0226801
A_55_P1999	650.8 Detected	462 Detected	289.1 Detected	391.8 Detected	Nyap1	0.602028273	0.4442225	0.84805195	0.6257576
A_55_P2138	692.3 Detected	588.7 Detected	350.8 Detected	416.7 Detected	Psd3	0.601906688	0.50671674	0.70783081	0.5958892
A_51_P3110	237.6 Detected	156.8 Detected	251.4 Detected	143 Detected	Tgfbra1	0.601851852	1.05808081	0.9119898	1.6033163
A_55_P2029	323.7 Detected	237.5 Detected	137.6 Detected	194.8 Detected	Ptprs	0.601791783	0.42508496	0.82021053	0.5793684
A_52_P6578	1469.5 Detected	987.8 Detected	917.8 Detected	884.1 Detected	Cep152	0.601633209	0.62456618	0.89501923	0.9291355
A_55_P1972	83.8 Detected	100.6 Detected	65.1 Detected	50.4 Detected	Zfp92	0.601431981	0.77684964	0.50099404	0.6471173
A_66_P1093	14.3 Detected	22.3 Detected	24.2 Detected	8.6 Not Detect	Prex2	0.601398601	1.69230769	0.38565022	1.0852018
A_55_P2147	14.8 Detected	3.8 Not Detect	7.3 Not Detect	8.9 Not Detect	Tnfaip6	0.601351351	0.49324324	2.34210526	1.9210526
A_55_P2006	963 Detected	616.6 Detected	690.5 Detected	579 Detected	Gm14431	0.601246106	0.71703011	0.93902043	1.1198508
A_55_P2059	4253.2 Detected	4824.4 Detected	1747.6 Detected	2556.9 Detected	Ghr	0.601170883	0.41089062	0.52999337	0.3622419
A_52_P5526	2746 Detected	1899.1 Detected	1260.5 Detected	1650.6 Detected	Fzd7	0.601092498	0.45903132	0.86914854	0.6637355
A_51_P2103	1681.9 Detected	707.2 Detected	3799.3 Detected	1010.8 Detected	Glrx	0.600986979	2.25893335	1.42929864	5.3723133
A_55_P1990	179.9 Detected	95.4 Detected	123.6 Detected	108.1 Detected	Kif3b	0.600889383	0.68704836	1.13312369	1.2955975
A_51_P4897	265.5 Detected	193.4 Detected	256.2 Detected	159.5 Detected	Tmem194b	0.600753296	0.96497175	0.82471562	1.3247156
A_52_P1734	293.8 Detected	174.9 Detected	220.3 Detected	176.5 Detected	Wscd2	0.600748809	0.74982982	1.00914808	1.2595769
A_55_P2067	1205.5 Detected	881.5 Detected	454.5 Detected	724.1 Detected	2410089E03Rik	0.600663625	0.37702198	0.82144073	0.5155984
A_55_P2114	302.1 Detected	221.7 Detected	206.6 Detected	181.4 Detected	Icmt	0.600463423	0.68387951	0.81822282	0.9318899
A_55_P1981	619 Detected	479.4 Detected	559.1 Detected	371.6 Detected		8-Sep 0.600323102	0.90323102	0.77513559	1.1662495
A_66_P1120	1115.3 Detected	621.3 Detected	1102.9 Detected	669.4 Detected	H2-T10	0.600197256	0.98888192	1.07741832	1.7751489
A_55_P2057	2706.3 Detected	1836.8 Detected	1946 Detected	1624.2 Detected	Tbc1d19	0.600155193	0.71906293	0.88425523	1.0594512
A_52_P6109	14.5 Detected	3 Not Detect	3.1 Not Detect	8.7 Not Detect	St18	0.6	0.2137931	2.9	1.0333333
A_55_P2328	27.5 Detected	8.4 Not Detect	9.3 Not Detect	16.5 Not Detect	9630017O17	0.6	0.33818182	1.96428571	1.1071429
A_55_P2398	14 Detected	9.3 Not Detect	11 Not Detect	8.4 Not Detect	Rnf112	0.6	0.78571429	0.90322581	1.1827957
A_55_P2157	29.5 Detected	26.4 Detected	29.1 Detected	17.7 Not Detect	Gm10864	0.6	0.98644068	0.67045455	1.1022727
A_52_P3132	31.5 Detected	35.6 Detected	23.5 Detected	18.9 Not Detect	Slc8a1	0.6	0.74603175	0.53089888	0.6601124
A_52_P6568	6969.9 Detected	5231.2 Detected	4631.4 Detected	4181.3 Detected	Fam98b	0.599908177	0.66448586	0.79930035	0.8853418
A_55_P2022	537.3 Detected	193.2 Detected	650.8 Detected	322.3 Detected	Glicc1	0.599851107	1.21124139	1.66821946	3.36853
A_55_P2010	42536.8 Detected	36996 Detected	34003.9 Detected	25504.3 Detected	2700094K13Rik	0.599582009	0.79939958	0.68937993	0.9191237
A_52_P1932	3364.9 Detected	2027.3 Detected	2786.5 Detected	2017.4 Detected	1600002H07Rik	0.599542334	0.82810782	0.99511666	1.3744882
A_66_P1320	1906.8 Detected	1967.5 Detected	1484 Detected	1143.2 Detected	Jmjd4	0.599538494	0.77826725	0.58104193	0.7542567
A_55_P2032	81.4 Detected	57.1 Detected	89.2 Detected	48.8 Not Detect	Zfp715	0.5995086	1.0958231	0.85464098	1.5621716
A_52_P3525	563.5 Detected	343.1 Detected	281.8 Detected	337.8 Detected	Qser1	0.599467613	0.50008873	0.98455261	0.8213349
A_55_P2178	37.2 Detected	8.1 Not Detect	45.7 Detected	22.3 Not Detect	LOC100048662	0.599462366	1.22849462	2.75308642	5.6419753
A_51_P1670	1058.4 Detected	891.1 Detected	629 Detected	634.4 Detected	Hs6st1	0.599395314	0.59429327	0.71192908	0.7058692
A_51_P2341	620.3 Detected	1013.8 Detected	845.3 Detected	371.7 Detected	Nod1	0.599226181	1.36272771	0.36664036	0.8337936

A_55_P2072	71.1 Detected	56.3 Detected	50.8 Detected	42.6 Not Detect Ctsc	0.599156118	0.71448664	0.75666075	0.9023091
A_55_P1987	22.2 Detected	14.9 Not Detect	8.1 Not Detect	13.3 Not Detect Ptrpd	0.599099099	0.36486486	0.89261745	0.5436242
A_55_P1966	22.2 Detected	24.4 Detected	21.7 Detected	13.3 Not Detect Podxl	0.599099099	0.97747748	0.54508197	0.8893443
A_55_P2107	713.1 Detected	171 Detected	268.3 Detected	427.1 Detected Tssk6	0.598934231	0.37624457	2.49766082	1.5690058
A_55_P2421	17.7 Detected	14.3 Not Detect	10.4 Not Detect	10.6 Not Detect 4933408J17Rik	0.598870056	0.58757062	0.74125874	0.7272727
A_55_P2074	184.4 Detected	81.5 Detected	171.5 Detected	110.4 Detected Rxra	0.598698482	0.93004338	1.35460123	2.1042945
A_51_P4414	15.2 Detected	3.2 Not Detect	24 Detected	9.1 Not Detect Pf4	0.598684211	1.57894737	2.84375	7.5
A_55_P2094	1032.6 Detected	625.4 Detected	1409 Detected	618.2 Detected 2700089E24Rik	0.598682936	1.36451675	0.98848737	2.2529581
A_55_P2154	45.1 Detected	28.6 Detected	35.7 Detected	27 Not Detect Cd320	0.598669623	0.79157428	0.94405594	1.2482517
A_52_P1500	8431.2 Detected	5400.6 Detected	6435.1 Detected	5045.9 Detected Mapkapk2	0.598479457	0.76324841	0.93432211	1.1915528
A_55_P1966	3456.1 Detected	2721 Detected	2975.5 Detected	2067.6 Detected Glmn	0.598246579	0.86094152	0.7598677	1.0935318
A_52_P3910	50.5 Detected	25.5 Detected	25.3 Detected	30.2 Not Detect Jade3	0.598019802	0.5009901	1.18431373	0.9921569
A_55_P2182	2568.5 Detected	3000 Detected	2549.5 Detected	1535.9 Detected Adat3	0.597975472	0.99260269	0.51196667	0.8498333
A_55_P1997	249.2 Detected	167.4 Detected	109.5 Detected	149 Detected Dbndd1	0.597913323	0.4394061	0.89008363	0.6541219
A_55_P2156	321.3 Detected	411.5 Detected	266.6 Detected	192.1 Detected Fam132b	0.597883598	0.82975412	0.46682868	0.6478736
A_55_P2159	4301.9 Detected	2508.4 Detected	3131.7 Detected	2571.6 Detected Zfp534	0.597782375	0.72798066	1.02519534	1.2484851
A_52_P1289	5040.8 Detected	3235.3 Detected	3654.6 Detected	3012.5 Detected Nhej1	0.597623393	0.72500397	0.93113467	1.1296016
A_55_P2025	38 Detected	25.4 Detected	27.9 Detected	22.7 Not Detect Mup21	0.597368421	0.73421053	0.89370079	1.0984252
A_51_P2384	21328.8 Detected	14205.1 Detected	13461.1 Detected	12740.7 Detected Ccnd3	0.597347249	0.63112318	0.89691026	0.9476244
A_55_P2009	14.4 Detected	19.3 Detected	11.6 Not Detect	8.6 Not Detect LOC101056101	0.597222222	0.80555556	0.44559585	0.6010363
A_52_P2324	191.4 Detected	136.6 Detected	186.7 Detected	114.3 Detected Mief2	0.597178683	0.9754441	0.83674963	1.3667643
A_55_P2089	1642.4 Detected	1002.8 Detected	1069.4 Detected	980.4 Detected 2900097C17Rik	0.59693132	0.65112031	0.97766254	1.066414
A_55_P2386	25.8 Detected	21.8 Detected	21.6 Detected	15.4 Not Detect AU023639	0.596899225	0.8372093	0.70642202	0.9908257
A_51_P5044	19.1 Detected	7.7 Not Detect	3.2 Not Detect	11.4 Not Detect Dll3	0.596858639	0.16753927	1.48051948	0.4155844
A_55_P2328	279.3 Detected	200.1 Detected	217.4 Detected	166.7 Detected LOC552877	0.596849266	0.77837451	0.83308346	1.0864568
A_55_P1969	4672.9 Detected	2534.4 Detected	4028.3 Detected	2788.9 Detected Pam	0.596824242	0.86205568	1.10041824	1.5894492
A_52_P6739	30.5 Detected	21.9 Detected	29.4 Detected	18.2 Not Detect A230072C01Rik	0.596721311	0.96393443	0.83105023	1.3424658
A_52_P2583	484 Detected	383.1 Detected	488 Detected	288.8 Detected Mob3b	0.596694215	1.00826446	0.75385017	1.2738188
A_55_P2002	9523.4 Detected	6194.4 Detected	7520.7 Detected	5682.5 Detected Kbtbd4	0.596688158	0.78970746	0.91736084	1.2141127
A_55_P1990	18.1 Detected	6.1 Not Detect	8.9 Not Detect	10.8 Not Detect Mylk3	0.596685083	0.49171271	1.7704918	1.4590164
A_52_P5584	142.8 Detected	104.2 Detected	143.9 Detected	85.2 Detected Cav2	0.596638655	1.00770308	0.81765835	1.3809981
A_55_P2070	47.6 Detected	46.7 Detected	28.3 Detected	28.4 Not Detect Adam1a	0.596638655	0.59453782	0.60813704	0.6059957
A_55_P2143	35.2 Detected	13.2 Not Detect	24.5 Detected	21 Not Detect Dyrk1a	0.596590909	0.69602273	1.59090909	1.8560606
A_55_P2159	2009.9 Detected	421.4 Detected	201.8 Detected	1199 Detected Lifr	0.596547092	0.10040301	2.84527765	0.4788799
A_55_P2163	17.1 Detected	22.1 Detected	8 Not Detect	10.2 Not Detect Trim12c	0.596491228	0.46783626	0.46153846	0.361991
A_52_P7877	187.6 Detected	164.3 Detected	117.3 Detected	111.9 Detected Chpt1	0.596481876	0.62526652	0.68107121	0.7139379
A_55_P2145	260.1 Detected	240.2 Detected	199.9 Detected	155.1 Detected Znr3	0.596309112	0.76855056	0.64571191	0.8322231
A_52_P8395	138.7 Detected	139.9 Detected	116 Detected	82.7 Detected Taf7	0.596250901	0.83633742	0.59113653	0.8291637
A_55_P2005	9814 Detected	2811 Detected	7777.9 Detected	5849.6 Detected Nacc2	0.596046464	0.79253108	2.08096763	2.7669513
A_66_P1253	177.9 Detected	161.3 Detected	137.2 Detected	106 Detected Atp8b4	0.59584036	0.77121979	0.65716057	0.850589

A_51_P3546	836.3	Detected	881.5	Detected	700.2	Detected	498.3	Detected	Slc25a30	0.595838814	0.83725936	0.56528644	0.7943279
A_55_P2136	574.5	Detected	479.4	Detected	564.5	Detected	342.3	Detected	Kmt2d	0.595822454	0.98259356	0.71401752	1.1775136
A_52_P9189	143.2	Detected	64.5	Detected	166.3	Detected	85.3	Detected	Ppp4r1-ps	0.595670391	1.16131285	1.32248062	2.5782946
A_55_P1987	15714.5	Detected	26937.2	Detected	5994.9	Detected	9360.2	Detected	Fam213a	0.595640969	0.38148843	0.34748229	0.222551
A_55_P2143	3874.6	Detected	1483.3	Detected	2584.1	Detected	2307.1	Detected	Pank2	0.59544211	0.66693336	1.55538327	1.742129
A_55_P2012	16.8	Detected	14.7	Not Detect	9.4	Not Detect	10	Not Detect	Tnfrsf19	0.595238095	0.55952381	0.68027211	0.6394558
A_55_P1955	1914.6	Detected	794.1	Detected	562.2	Detected	1139.6	Detected	Camk1d	0.595215711	0.29363836	1.43508374	0.7079713
A_55_P2262	103.4	Detected	119.1	Detected	314.1	Detected	61.5	Detected	5730471H19Rik	0.594777563	3.0377176	0.5163728	2.6372796
A_55_P1966	20880.9	Detected	15963.4	Detected	10671	Detected	12419	Detected	Dlg5	0.594754058	0.51104119	0.7779671	0.6684666
A_55_P2161	1128.3	Detected	837.2	Detected	735.3	Detected	670.9	Detected	Pdlim7	0.594611362	0.65168838	0.80136168	0.8782848
A_52_P4095	14.8	Detected	23.5	Detected	3.2	Not Detect	8.8	Not Detect	Rassf4	0.594594595	0.21621622	0.37446809	0.1361702
A_55_P2079	961.5	Detected	1671.9	Detected	1243.2	Detected	571.7	Detected	Snora74a	0.594591784	1.29297972	0.34194629	0.7435851
A_55_P2126	7654.9	Detected	5146	Detected	4289.6	Detected	4549.8	Detected	Msantd3	0.594364394	0.56037309	0.88414302	0.8335795
A_55_P1957	11209.5	Detected	9480.1	Detected	5824.5	Detected	6660.2	Detected	Unc119	0.594156742	0.51960391	0.70254533	0.6143923
A_51_P4618	78.6	Detected	141.7	Detected	37.8	Detected	46.7	Detected	Tnnc1	0.594147583	0.48091603	0.32956951	0.2667608
A_51_P5092	2164.5	Detected	1560.5	Detected	1889.5	Detected	1285.9	Detected	Arfgap1	0.594086394	0.87294987	0.82403076	1.2108299
A_51_P3785	472.2	Detected	871.9	Detected	163.1	Detected	280.5	Detected	Oplah	0.594027954	0.34540449	0.32171121	0.1870627
A_55_P2418	22.9	Detected	5.5	Not Detect	3.7	Not Detect	13.6	Not Detect	AU021884	0.593886463	0.16157205	2.47272727	0.6727273
A_55_P1992	471	Detected	257.8	Detected	112.5	Detected	279.7	Detected	Ptprg	0.593842887	0.2388535	1.08494957	0.4363848
A_51_P2271	33554.4	Detected	25436.1	Detected	30718.8	Detected	19923.5	Detected	Bri3bp	0.593767136	0.91549245	0.78327652	1.2076851
A_52_P6680	422.5	Detected	293.7	Detected	424.1	Detected	250.8	Detected	Asb1	0.593609467	1.00378698	0.85393258	1.4439905
A_51_P3883	21.9	Detected	10.8	Not Detect	17.1	Detected	13	Not Detect	Glg	0.593607306	0.78082192	1.2037037	1.5833333
A_55_P2376	15.5	Detected	3.3	Not Detect	3.3	Not Detect	9.2	Not Detect	4930521G14Rik	0.593548387	0.21290323	2.78787879	1
A_52_P4603	360.8	Detected	224.3	Detected	223.9	Detected	214.1	Detected	Kctd18	0.593403548	0.62056541	0.95452519	0.9982167
A_55_P1952	15	Detected	3.2	Not Detect	7.7	Not Detect	8.9	Not Detect	Gm3772	0.593333333	0.51333333	2.78125	2.40625
A_55_P2008	1579.4	Detected	1149.6	Detected	1530.3	Detected	936.9	Detected	Cdc123	0.593199949	0.96891225	0.81497912	1.3311587
A_51_P2272	20.4	Detected	102.1	Detected	20.5	Detected	12.1	Not Detect	Csn3	0.593137255	1.00490196	0.11851126	0.2007835
A_55_P2045	2102.8	Detected	885.6	Detected	1105.6	Detected	1247.2	Detected	Plcx2	0.593113943	0.52577516	1.40831075	1.2484192
A_55_P2042	14.5	Detected	9.9	Not Detect	14.3	Not Detect	8.6	Not Detect	Nlrp2	0.593103448	0.9862069	0.86868687	1.4444444
A_55_P1983	17.2	Detected	15.6	Not Detect	10.2	Not Detect	10.2	Not Detect	Rgag1	0.593023256	0.59302326	0.65384615	0.6538462
A_52_P6091	3432.9	Detected	2829.2	Detected	1627.8	Detected	2035.7	Detected	Pdpx	0.592997174	0.47417635	0.71953202	0.575357
A_55_P2017	50.6	Detected	29.8	Detected	38.9	Detected	30	Not Detect	Spaca6	0.592885375	0.7687747	1.00671141	1.3053691
A_51_P2381	185.2	Detected	65.9	Detected	255.9	Detected	109.8	Detected	Etnk2	0.59287257	1.38174946	1.66616085	3.8831563
A_55_P2392	61.4	Detected	40.1	Detected	40.8	Detected	36.4	Not Detect	9330159F19Rik	0.592833876	0.66449511	0.90773067	1.0174564
A_55_P2031	16.7	Detected	21.8	Detected	26.3	Detected	9.9	Not Detect	Ccdc8	0.592814371	1.5748503	0.45412844	1.206422
A_52_P1373	1878.3	Detected	1148	Detected	966	Detected	1113.4	Detected	Cbx2	0.592770058	0.51429484	0.96986063	0.8414634
A_55_P1982	24.8	Detected	21.6	Detected	23.1	Detected	14.7	Not Detect	Gm4432	0.592741935	0.93145161	0.68055556	1.0694444
A_52_P1638	458.1	Detected	260.2	Detected	212.1	Detected	271.5	Detected	Ivns1abp	0.592665357	0.46299935	1.04342813	0.8151422
A_52_P1942	1507.7	Detected	1488.8	Detected	1475.1	Detected	893.5	Detected	Ets1	0.592624527	0.97837766	0.60014777	0.990798
A_55_P2057	16.2	Detected	12.7	Not Detect	19.2	Detected	9.6	Not Detect	Caskin1	0.592592593	1.18518519	0.75590551	1.511811

A_51_P2203	531.6 Detected	550.1 Detected	252.5 Detected	314.9 Detected	Cdca7l	0.592362679	0.47498119	0.57244137	0.4590075
A_55_P1957	605.3 Detected	451.4 Detected	542.9 Detected	358.4 Detected	Lsp1	0.592103089	0.89691062	0.7939743	1.2027027
A_55_P2032	14.7 Detected	13.4 Not Detect	10.7 Not Detect	8.7 Not Detect	1700125H20Rik	0.591836735	0.72789116	0.64925373	0.7985075
A_65_P0611	73 Detected	114.3 Detected	57.9 Detected	43.2 Not Detect	Zscan4a	0.591780822	0.79315068	0.37795276	0.5065617
A_55_P2050	16.9 Detected	7.5 Not Detect	7.9 Not Detect	10 Not Detect	Olf913	0.591715976	0.46745562	1.33333333	1.0533333
A_66_P1107	16.9 Detected	9.1 Not Detect	11.7 Not Detect	10 Not Detect	Lrco1	0.591715976	0.69230769	1.0989011	1.2857143
A_55_P1964	21523.7 Detected	15239.2 Detected	40313.1 Detected	12733.8 Detected	Ii33	0.591617612	1.87296329	0.83559504	2.6453554
A_52_P6708	16.4 Detected	4.7 Not Detect	3.5 Not Detect	9.7 Not Detect	0610007N19Rik	0.591463415	0.21341463	2.06382979	0.7446809
A_55_P2184	18.6 Detected	9.9 Not Detect	15.3 Not Detect	11 Not Detect	Sp100	0.591397849	0.82258065	1.11111111	1.5454545
A_55_P2164	15.9 Detected	55.9 Detected	23.8 Detected	9.4 Not Detect	Grip1	0.591194969	1.49685535	0.16815742	0.4257603
A_52_P5742	2235.1 Detected	1785.6 Detected	1502.6 Detected	1321.2 Detected	Rrp1b	0.591114492	0.67227417	0.73991935	0.8415099
A_55_P2095	3335.3 Detected	1833.5 Detected	2664.5 Detected	1971.5 Detected	Rara	0.59110125	0.79887866	1.07526588	1.4532315
A_55_P2072	17.6 Detected	3.7 Not Detect	6.3 Not Detect	10.4 Not Detect	Scn8a	0.590909091	0.35795455	2.81081081	1.7027027
A_55_P2115	1172.6 Detected	908.5 Detected	870.2 Detected	692.8 Detected	Metap1d	0.59082381	0.74211155	0.76257567	0.9578426
A_55_P1995	1606.2 Detected	671.1 Detected	994.3 Detected	948.9 Detected	Gm13157	0.590773254	0.61903872	1.41394725	1.4815974
A_51_P4848	572.7 Detected	362.1 Detected	424.8 Detected	338.3 Detected	Bcl2l11	0.590710669	0.74174961	0.9342723	1.1731566
A_55_P2040	37.6 Detected	22.9 Detected	35.6 Detected	22.2 Not Detect	Gm9763	0.590425532	0.94680851	0.96943231	1.5545852
A_51_P4988	39521.5 Detected	31335.9 Detected	29774.4 Detected	23330.8 Detected	Degs1	0.590331845	0.75337222	0.74453901	0.950169
A_55_P2030	5073.2 Detected	2818.2 Detected	3134.8 Detected	2994.5 Detected	Frm4a	0.590258614	0.61791374	1.06255766	1.1123412
A_55_P2094	55.4 Detected	128 Detected	39 Detected	32.7 Not Detect	Lhx6	0.590252708	0.70397112	0.25546875	0.3046875
A_55_P2096	6398.7 Detected	3755.7 Detected	4410.2 Detected	3776.6 Detected	Rbms1	0.590213637	0.68923375	1.00556487	1.1742684
A_52_P3487	3067.3 Detected	2390.9 Detected	1952.5 Detected	1810.1 Detected	Rhobtb3	0.590128126	0.63655332	0.75707892	0.8166381
A_55_P2370	23.9 Detected	21.7 Detected	18.5 Detected	14.1 Not Detect	1700025K04Rik	0.589958159	0.77405858	0.64976959	0.8525346
A_55_P1955	26185.6 Detected	27340.7 Detected	30502.4 Detected	15444.1 Detected	Rps24	0.589793627	1.16485397	0.56487581	1.1156408
A_55_P2181	29.7 Detected	37.8 Detected	20.3 Detected	17.5 Not Detect	Gpr180	0.589225589	0.68350168	0.46296296	0.537037
A_55_P2095	25.3 Detected	17.5 Detected	20.1 Detected	14.9 Not Detect	Rdh18-ps	0.588932806	0.7944664	0.85142857	1.1485714
A_55_P2131	59.1 Detected	51.1 Detected	37.2 Detected	34.8 Not Detect	Shroom2	0.588832487	0.62944162	0.68101761	0.7279843
A_51_P4703	17.5 Detected	9.9 Not Detect	7.9 Not Detect	10.3 Not Detect	4930412O13Rik	0.588571429	0.45142857	1.04040404	0.7979798
A_55_P2152	435.2 Detected	326 Detected	372.9 Detected	256.1 Detected	Scaf8	0.588465074	0.85684743	0.78558282	1.143865
A_66_P1319	110.8 Detected	74.3 Detected	59.4 Detected	65.2 Detected	Zfp934	0.588447653	0.53610108	0.87752355	0.7994616
A_52_P3599	117.6 Detected	101.9 Detected	42 Detected	69.2 Detected	Osbpl6	0.588435374	0.35714286	0.67909715	0.4121688
A_55_P2102	25.5 Detected	12.5 Not Detect	13.5 Not Detect	15 Not Detect	Ap4e1	0.588235294	0.52941176	1.2	1.08
A_55_P2113	1598.2 Detected	1149.9 Detected	1353 Detected	940.1 Detected	Whsc1	0.588224252	0.8465774	0.81754935	1.1766241
A_55_P2064	5651 Detected	4119.8 Detected	5235 Detected	3323.4 Detected	Pced1a	0.588108299	0.92638471	0.80668965	1.2706928
A_51_P1864	95.4 Detected	60.7 Detected	98.4 Detected	56.1 Detected	Pik3c2b	0.588050314	1.03144654	0.92421746	1.6210873
A_52_P4937	125 Detected	62.1 Detected	120.1 Detected	73.5 Detected	Wdr13	0.588	0.9608	1.18357488	1.9339775
A_55_P2069	29.6 Detected	25.7 Detected	10.9 Not Detect	17.4 Not Detect	1700007E05Rik	0.587837838	0.36824324	0.6770428	0.4241245
A_51_P4009	76.4 Detected	81.3 Detected	64.7 Detected	44.9 Not Detect	Rfpl4	0.587696335	0.84685864	0.55227552	0.795818
A_55_P1976	21.1 Detected	20.7 Detected	18.6 Not Detect	12.4 Not Detect	Olf913	0.587677725	0.88151659	0.59903382	0.8985507
A_52_P3236	1856.3 Detected	1418.7 Detected	1451.9 Detected	1090.9 Detected	Zfp955a	0.587674406	0.78214728	0.7689434	1.0234017

A_55_P2013	13137.8	Detected	9245.6	Detected	10283.8	Detected	7718.9	Detected	Dnajb6	0.587533681	0.78276424	0.8348728	1.1122913
A_51_P3284	17452.2	Detected	12141.4	Detected	12564.7	Detected	10253.5	Detected	Cops2	0.587519052	0.71994935	0.84450722	1.0348642
A_52_P1027	56	Detected	34.4	Detected	54.4	Detected	32.9	Not Detect	Hsf5	0.5875	0.97142857	0.95639535	1.5813953
A_55_P2075	217.9	Detected	127.3	Detected	171.2	Detected	128	Detected	5430405H02Rik	0.587425425	0.78568151	1.00549882	1.3448547
A_55_P1972	3981.4	Detected	2737.5	Detected	3195.5	Detected	2338.7	Detected	Zfp960	0.58740644	0.80260712	0.85431963	1.1673059
A_55_P2006	12181.2	Detected	11860.1	Detected	10487.1	Detected	7154.9	Detected	Bmp1	0.587372344	0.86092503	0.60327485	0.8842337
A_52_P3709	962	Detected	338.8	Detected	1122.2	Detected	564.9	Detected	Glcci1	0.587214137	1.16652807	1.66735537	3.3122786
A_55_P1958	2262.9	Detected	1357.8	Detected	1731.7	Detected	1328.8	Detected	Rnf114	0.587211101	0.76525697	0.97864192	1.2753719
A_55_P2169	6241.7	Detected	5546.5	Detected	5326.5	Detected	3664.5	Detected	Thoc6	0.587099668	0.85337328	0.66068692	0.9603353
A_51_P1224	18.4	Detected	7	Not Detect	9.4	Not Detect	10.8	Not Detect	Olf15l1	0.586956522	0.51086957	1.54285714	1.3428571
A_51_P4910	3647.5	Detected	2271.5	Detected	2892.6	Detected	2140.4	Detected	Gzf1	0.586812886	0.79303633	0.94228483	1.2734317
A_55_P2074	6549.1	Detected	5069.5	Detected	4480.8	Detected	3842.5	Detected	Crim1	0.58672184	0.68418561	0.7579643	0.8838741
A_55_P2145	347.6	Detected	198.8	Detected	189.7	Detected	203.9	Detected	Rilpl1	0.586593786	0.54574223	1.02565392	0.9542254
A_55_P1973	16734.7	Detected	17013.1	Detected	5324.4	Detected	9816.3	Detected	Slc39a13	0.586583566	0.31816525	0.57698479	0.3129588
A_55_P2152	54.9	Detected	41.5	Detected	26.3	Detected	32.2	Not Detect	Gm1141	0.586520947	0.47905282	0.77590361	0.6337349
A_52_P4256	170.5	Detected	129.7	Detected	90.8	Detected	100	Detected	Adcyp1	0.586510264	0.53255132	0.77101002	0.7000771
A_55_P1963	18926.9	Detected	6427.3	Detected	23891.1	Detected	11100.8	Detected	Creg1	0.586509148	1.26228278	1.7271327	3.7171285
A_55_P2365	1729	Detected	640.6	Detected	614.7	Detected	1013.9	Detected	Dut	0.586408329	0.35552342	1.58273494	0.9595692
A_66_P1123	46.9	Detected	26.4	Detected	36.9	Detected	27.5	Not Detect	Agt	0.586353945	0.78678038	1.04166667	1.3977273
A_55_P1966	241.9	Detected	234.7	Detected	137.6	Detected	141.8	Detected	Il4ra	0.586192642	0.5688301	0.60417554	0.5862804
A_55_P2006	739.5	Detected	376.1	Detected	354.5	Detected	433.4	Detected	Sfmbt1	0.58607167	0.47937796	1.1523531	0.9425685
A_52_P1557	2600.3	Detected	759.4	Detected	3278.5	Detected	1523.9	Detected	Creg1	0.586047764	1.26081606	2.00671583	4.3172241
A_55_P2146	15.7	Detected	11.5	Not Detect	13	Not Detect	9.2	Not Detect	Olf1681	0.585987261	0.82802548	0.8	1.1304348
A_55_P2055	117.5	Detected	95.8	Detected	89.3	Detected	68.8	Detected	Dvl2	0.585531915	0.76	0.71816284	0.9321503
A_55_P2104	4134	Detected	2712.5	Detected	3007.3	Detected	2420.5	Detected	Kctd5	0.585510402	0.72745525	0.89235023	1.108682
A_51_P1849	1879.3	Detected	1143.9	Detected	907.4	Detected	1100.1	Detected	Rilpl1	0.585377534	0.48283936	0.96170994	0.7932512
A_55_P2068	16.4	Detected	17.7	Detected	21.1	Detected	9.6	Not Detect	Colq	0.585365854	1.28658537	0.54237288	1.1920904
A_55_P2115	9267.2	Detected	7497.9	Detected	5720.5	Detected	5424.6	Detected	Raet1e	0.5853548	0.61728462	0.72348258	0.762947
A_66_P1212	38.1	Detected	26.5	Detected	16.8	Not Detect	22.3	Not Detect	Oscp1	0.585301837	0.44094488	0.84150943	0.6339623
A_51_P2288	1464.8	Detected	1072.2	Detected	317.9	Detected	857.1	Detected	Stau2	0.585131076	0.21702622	0.79938444	0.2964932
A_51_P2429	53	Detected	55.6	Detected	57.7	Detected	31	Not Detect	Lat2	0.58490566	1.08867925	0.55755396	1.0377698
A_55_P2162	202.1	Detected	182.3	Detected	156	Detected	118.2	Detected	2210408121Rik	0.584858981	0.7718951	0.64838179	0.8557323
A_55_P2364	73.7	Detected	41.8	Detected	26.1	Detected	43.1	Not Detect	9430037G07Rik	0.584803256	0.3541384	1.03110048	0.6244019
A_55_P1956	23.6	Detected	11.8	Not Detect	10.5	Not Detect	13.8	Not Detect	Sfmbt2	0.584745763	0.44491525	1.16949153	0.8898305
A_55_P2042	31.3	Detected	21.2	Detected	26.2	Detected	18.3	Not Detect	Mccc2	0.584664537	0.8370607	0.86320755	1.2358491
A_52_P5821	18148.5	Detected	13192.2	Detected	15002.9	Detected	10604.2	Detected	Hcfc1r1	0.584301733	0.82667438	0.80382347	1.1372553
A_51_P2347	78.9	Detected	92.3	Detected	26.2	Detected	46.1	Not Detect	Cxxc5	0.584283904	0.33206591	0.49945829	0.283857
A_51_P2114	299.5	Detected	138	Detected	366.9	Detected	174.9	Detected	C330013J21Rik	0.583973289	1.22504174	1.2673913	2.6586957
A_55_P1985	17.3	Detected	11.9	Not Detect	11.3	Not Detect	10.1	Not Detect	Atp2b4	0.583815029	0.65317919	0.8487395	0.9495798
A_51_P1697	122.5	Detected	24.6	Detected	161.1	Detected	71.5	Detected	Shc2	0.583673469	1.31510204	2.90650407	6.5487805

A_55_P2083	18 Detected	18.3 Not Detect	19.5 Detected	10.5 Not Detect	Radil	0.583333333	1.08333333	0.57377049	1.0655738
A_55_P2182	885.8 Detected	606.1 Detected	376.9 Detected	516.6 Detected	Maml3	0.583201626	0.42549108	0.8523346	0.6218446
A_52_P6603	5708.1 Detected	4265.9 Detected	5331.9 Detected	3328.6 Detected	Trmt6	0.583136245	0.93409366	0.78028083	1.2498887
A_55_P2067	67.6 Detected	55.9 Detected	31.8 Detected	39.4 Not Detect	Cd68	0.582840237	0.4704142	0.70483005	0.568873
A_55_P2181	33.8 Detected	44.8 Detected	9 Not Detect	19.7 Not Detect	Efn3	0.582840237	0.26627219	0.43973214	0.2008929
A_55_P2051	338.8 Detected	301 Detected	254.9 Detected	197.4 Detected	Cbx1	0.582644628	0.75236128	0.65581395	0.8468439
A_55_P2412	41.2 Detected	9.3 Not Detect	27.8 Detected	24 Not Detect	E130018N17Rik	0.582524272	0.67475728	2.58064516	2.9892473
A_55_P2266	47.4 Detected	26.3 Detected	25 Detected	27.6 Not Detect	B930095M22Rik	0.582278481	0.52742616	1.04942966	0.9505703
A_51_P2791	123337.4 Detected	28181.7 Detected	61703.5 Detected	71789 Detected	Ptgs1	0.582053781	0.50028215	2.5473623	2.1894882
A_51_P1390	24.4 Detected	24.4 Detected	17 Not Detect	14.2 Not Detect	1700122O11Rik	0.581967213	0.69672131	0.58196721	0.6967213
A_55_P2118	1473.3 Detected	790 Detected	929.8 Detected	857.4 Detected	Ninl	0.581958868	0.63110025	1.08531646	1.176962
A_51_P5115	15.3 Detected	12.3 Not Detect	15.2 Not Detect	8.9 Not Detect	Stk33	0.581699346	0.99346405	0.72357724	1.2357724
A_55_P1964	24.6 Detected	25.3 Detected	13.7 Not Detect	14.3 Not Detect	Gdpd2	0.581300813	0.55691057	0.56521739	0.541502
A_51_P3868	16 Detected	27.6 Detected	3.3 Not Detect	9.3 Not Detect	Mfsd7c	0.58125	0.20625	0.33695652	0.1195652
A_52_P5589	691.8 Detected	488.3 Detected	348.9 Detected	402.1 Detected	Rab3gap1	0.581237352	0.50433651	0.82346918	0.7145198
A_55_P2036	16.7 Detected	9.3 Not Detect	10.2 Not Detect	9.7 Not Detect	Ckap4	0.580838323	0.61077844	1.04301075	1.0967742
A_55_P1955	89.2 Detected	54.4 Detected	39.9 Detected	51.8 Detected	Gm10204	0.580717489	0.44730942	0.95220588	0.7334559
A_55_P1963	114 Detected	145.9 Detected	85.3 Detected	66.2 Detected	Hctr1	0.580701754	0.74824561	0.45373544	0.584647
A_55_P2150	344.3 Detected	270.6 Detected	208.7 Detected	199.9 Detected	Pgm211	0.580598315	0.60615742	0.73872875	0.7712491
A_55_P1995	1201.2 Detected	591.1 Detected	679.9 Detected	696.9 Detected	Gm13251	0.58016983	0.56601732	1.17898833	1.1502284
A_51_P4643	16.9 Detected	26 Detected	11.1 Not Detect	9.8 Not Detect	Hspb8	0.579881657	0.65680473	0.37692308	0.4269231
A_51_P1840	9562.4 Detected	8118.4 Detected	7586.5 Detected	5544.8 Detected	Tsen15	0.57985443	0.79336777	0.68299172	0.9344822
A_55_P2178	516 Detected	222.5 Detected	537.8 Detected	299.2 Detected	Mc3r	0.579844961	1.04224806	1.3447191	2.4170787
A_51_P2086	18151.2 Detected	13527.5 Detected	13396.3 Detected	10523.5 Detected	Chtf18	0.579768831	0.73803936	0.77793384	0.9903012
A_55_P2115	20.7 Detected	17.9 Detected	23.4 Detected	12 Not Detect	Gm11437	0.579710145	1.13043478	0.67039106	1.3072626
A_52_P9984	189.3 Detected	206.4 Detected	43 Detected	109.7 Detected	Pik3cd	0.579503434	0.22715267	0.53149225	0.2083333
A_51_P3218	6806.1 Detected	2373.8 Detected	1872.6 Detected	3942 Detected	Cmtm3	0.579186318	0.27513554	1.66062853	0.7888617
A_55_P1995	555.1 Detected	342.5 Detected	635.5 Detected	321.5 Detected	Gm14326	0.579174923	1.14483877	0.93868613	1.8554745
A_55_P2076	17.1 Detected	5.7 Not Detect	8.6 Not Detect	9.9 Not Detect	Megf6	0.578947368	0.50292398	1.73684211	1.5087719
A_55_P2050	250.3 Detected	121 Detected	171.4 Detected	144.9 Detected	Agps	0.578905314	0.68477827	1.19752066	1.4165289
A_55_P2033	1158.6 Detected	482.9 Detected	743.9 Detected	670.7 Detected	Pax3	0.578888313	0.64206801	1.38890039	1.5404846
A_52_P5258	2546 Detected	1856.3 Detected	2375.2 Detected	1472.7 Detected	Trmt6	0.578436764	0.93291438	0.79335237	1.2795346
A_55_P2059	296 Detected	189.3 Detected	167.3 Detected	171.2 Detected	Gm11938	0.578378378	0.5652027	0.90438457	0.8837824
A_55_P2143	1005.8 Detected	749.2 Detected	920.2 Detected	581.6 Detected	Ddx39b	0.578246172	0.91489362	0.77629471	1.2282435
A_55_P2266	4298.7 Detected	3942.3 Detected	2755.6 Detected	2485.4 Detected	Kirrel	0.578174797	0.64103101	0.63044416	0.6989828
A_55_P2041	109.5 Detected	83.2 Detected	73.5 Detected	63.3 Detected	Ty5	0.578082192	0.67123288	0.76081731	0.8834135
A_55_P2049	23.7 Detected	8.7 Not Detect	26.4 Detected	13.7 Not Detect	Rnf150	0.578059072	1.11392405	1.57471264	3.0344828
A_51_P3168	1083.1 Detected	794.6 Detected	829.5 Detected	625.8 Detected	Wdr60	0.577785985	0.76585726	0.78756607	1.0439215
A_51_P4774	16.1 Detected	6.7 Not Detect	5.8 Not Detect	9.3 Not Detect	Grid2	0.577639752	0.36024845	1.3880597	0.8656716
A_55_P2154	19965.6 Detected	17546.4 Detected	22533.4 Detected	11532.3 Detected	Cd320	0.577608487	1.12861121	0.65724593	1.2842178

A_55_P2002	35.5 Detected	38 Detected	24.3 Detected	20.5 Not Detect	Phf8	0.577464789	0.68450704	0.53947368	0.6394737
A_52_P7893	22 Detected	5 Not Detect	22.9 Detected	12.7 Not Detect	D6Erd527e	0.577272727	1.04090909	2.54	4.58
A_55_P2271	14.9 Detected	11 Not Detect	8.9 Not Detect	8.6 Not Detect	Dep1	0.577181208	0.59731544	0.78181818	0.8090909
A_55_P1961	15.6 Detected	5.9 Not Detect	3.2 Not Detect	9 Not Detect	Tcl1b5	0.576923077	0.20512821	1.52542373	0.5423729
A_51_P2751	1946.4 Detected	1575.2 Detected	921.3 Detected	1122.6 Detected	Psd3	0.57675709	0.47333539	0.71267141	0.5848781
A_55_P2065	202 Detected	297.2 Detected	148.9 Detected	116.5 Detected	Cygb	0.576732673	0.73712871	0.39199192	0.5010094
A_55_P2040	20222.8 Detected	10296.4 Detected	14937.8 Detected	11658.3 Detected	Gid8	0.576492869	0.73866131	1.13226953	1.4507789
A_55_P2015	31.4 Detected	27.9 Detected	42.3 Detected	18.1 Not Detect	Mtmr3	0.576433121	1.34713376	0.64874552	1.516129
A_55_P2170	14968.1 Detected	10978.9 Detected	12243.5 Detected	8626.8 Detected	Pkig	0.576345695	0.81797289	0.78576178	1.1151846
A_55_P2038	26.9 Detected	17.8 Detected	23.4 Detected	15.5 Not Detect	Sowaha	0.576208178	0.86988848	0.87078652	1.3146067
A_52_P2018	639.4 Detected	200.2 Detected	524.6 Detected	368.4 Detected	Nanos1	0.576165155	0.82045668	1.84015984	2.6203796
A_51_P1815	40.1 Detected	29.3 Detected	22.1 Detected	23.1 Not Detect	4933402N22Rik	0.57605985	0.55112219	0.7883959	0.7542662
A_55_P2143	25639.4 Detected	17804.9 Detected	5097.9 Detected	14762.5 Detected	Fstl1	0.575774004	0.19883071	0.82912569	0.2863201
A_52_P2521	1822.2 Detected	1220.6 Detected	1900.1 Detected	1049.1 Detected	Nfs1	0.575732631	1.04275052	0.85949533	1.5566934
A_52_P4609	751.6 Detected	472.8 Detected	529.9 Detected	432.7 Detected	Crem	0.575705162	0.70502927	0.91518613	1.1207699
A_55_P1956	17.2 Detected	14.6 Not Detect	7.8 Not Detect	9.9 Not Detect	Ctcf1	0.575581395	0.45348837	0.67808219	0.5342466
A_55_P2200	34.4 Detected	34.2 Detected	18.3 Not Detect	19.8 Not Detect	4930447122Rik	0.575581395	0.53197674	0.57894737	0.5350877
A_55_P1968	383.7 Detected	642.7 Detected	164.8 Detected	220.8 Detected	Rapgef5	0.57544957	0.42950222	0.34355065	0.2564182
A_51_P4634	686.5 Detected	360.7 Detected	388.8 Detected	395 Detected	Acs1	0.575382374	0.56635106	1.09509287	1.0779041
A_55_P2026	18.6 Detected	16.3 Not Detect	11.5 Not Detect	10.7 Not Detect	1700091H14Rik	0.575268817	0.61827957	0.65644172	0.7055215
A_55_P2419	30.6 Detected	25.6 Detected	41.5 Detected	17.6 Not Detect	Snhg9	0.575163399	1.35620915	0.6875	1.6210938
A_55_P2038	21981.9 Detected	18529.7 Detected	18988.8 Detected	12641.7 Detected	Slc29a1	0.575095874	0.86383798	0.68223986	1.0247764
A_55_P1971	46567.9 Detected	46888 Detected	15095.2 Detected	26777 Detected	F3	0.575009824	0.32415462	0.57108429	0.3219416
A_55_P1991	40425.7 Detected	29039.7 Detected	22273.2 Detected	23241.6 Detected	Ptprs	0.574921399	0.55096634	0.80033885	0.7669914
A_51_P1689	1124.2 Detected	1114.9 Detected	1502 Detected	646.3 Detected	Ptar1	0.574897705	1.3360612	0.57969325	1.347206
A_51_P2730	16.7 Detected	9.4 Not Detect	12.4 Not Detect	9.6 Not Detect	Actl7a	0.574850299	0.74251497	1.0212766	1.3191489
A_52_P2325	2700.2 Detected	3253.7 Detected	1499.4 Detected	1552.1 Detected	Dyrk3	0.574809273	0.5552922	0.47702615	0.4608292
A_51_P2084	190.5 Detected	126.5 Detected	150.4 Detected	109.5 Detected	Ston1	0.57480315	0.78950131	0.86561265	1.1889328
A_51_P1794	106.3 Detected	89 Detected	55.2 Detected	61.1 Detected	Eid3	0.574788335	0.51928504	0.68651685	0.6202247
A_55_P2009	198 Detected	187.9 Detected	117.7 Detected	113.8 Detected	Zic1	0.574747475	0.59444444	0.6056413	0.626397
A_55_P2048	14.8 Detected	15.9 Detected	9.4 Not Detect	8.5 Not Detect	Rbmy	0.574324324	0.63513514	0.53459119	0.591195
A_55_P2057	88.3 Detected	13.7 Not Detect	47.5 Detected	50.7 Detected	Ugt1a6a	0.574178935	0.53793884	3.70072993	3.4671533
A_55_P2113	1379 Detected	979 Detected	1108.2 Detected	791.6 Detected	Whsc1	0.574039159	0.80362582	0.80858018	1.1319714
A_52_P6817	2945 Detected	2098.2 Detected	2554.3 Detected	1690.3 Detected	Zfp955b	0.573955857	0.86733447	0.80559527	1.2173768
A_55_P2118	26609.4 Detected	18636 Detected	19251.7 Detected	15264.2 Detected	Fam110a	0.573639391	0.72349245	0.81907062	1.0330382
A_55_P2111	616.8 Detected	492.3 Detected	346.5 Detected	353.8 Detected	Ppp1r18	0.573605707	0.56177043	0.71866748	0.7038391
A_55_P2137	57.2 Detected	46.9 Detected	31.8 Detected	32.8 Not Detect	Hhpl1	0.573426573	0.55594406	0.69936034	0.6780384
A_55_P1958	31212.5 Detected	18756.7 Detected	23534.9 Detected	17894.8 Detected	Rnf114	0.573321586	0.75402163	0.95404842	1.2547463
A_51_P1237	11988.1 Detected	10533.1 Detected	10799.5 Detected	6872.1 Detected	Dus3l	0.573243466	0.90085168	0.65242901	1.0252917
A_55_P2035	24830.5 Detected	14378.6 Detected	13400.1 Detected	14229.1 Detected	Fitm2	0.573049274	0.53966291	0.9896026	0.9319475

A_51_P5157	119.2	Detected	88.9	Detected	121.3	Detected	68.3	Detected	Zfp516	0.572986577	1.01761745	0.76827897	1.3644544
A_51_P2871	91.5	Detected	409.7	Detected	2065.2	Detected	52.4	Detected	Cdh16	0.572677596	22.5704918	0.12789846	5.0407615
A_55_P2028	4060	Detected	1393.2	Detected	2161.5	Detected	2324.9	Detected	Pawr	0.572635468	0.53238916	1.66874821	1.5514643
A_55_P2075	27641.1	Detected	15200.1	Detected	18895.9	Detected	15827.8	Detected	Cpne1	0.572618311	0.68361606	1.04129578	1.2431431
A_55_P2126	74.6	Detected	53.8	Detected	33	Detected	42.7	Not Detect	Gm5800	0.572386059	0.44235925	0.7936803	0.6133829
A_52_P2147	15.2	Detected	13.4	Not Detect	9.8	Not Detect	8.7	Not Detect	Ankrd45	0.572368421	0.64473684	0.64925373	0.7313433
A_52_P5199	18	Detected	20.8	Detected	9.6	Not Detect	10.3	Not Detect	Kcnc3	0.572222222	0.53333333	0.49519231	0.4615385
A_55_P1969	45.1	Detected	32.9	Detected	17.2	Detected	25.8	Not Detect	Hivep3	0.572062084	0.38137472	0.78419453	0.5227964
A_55_P2008	479.7	Detected	311.8	Detected	361.8	Detected	274.4	Detected	Zfp30	0.572024182	0.75422139	0.88005131	1.1603592
A_52_P4618	860.8	Detected	642.6	Detected	843.3	Detected	492.3	Detected	Rcbtb1	0.571909851	0.97967007	0.76610644	1.3123249
A_55_P2023	1041.6	Detected	873.6	Detected	562.3	Detected	595.7	Detected	Thada	0.571908602	0.53984255	0.68189103	0.6436584
A_55_P2081	910.5	Detected	718	Detected	719.9	Detected	520.7	Detected	Asb7	0.57188358	0.79066447	0.72520891	1.0026462
A_55_P1972	6974	Detected	4907.5	Detected	4858.3	Detected	3987.5	Detected	Tor1b	0.571766562	0.69663034	0.81253184	0.9899745
A_52_P4644	3230.7	Detected	2196.7	Detected	2369.2	Detected	1846.8	Detected	Trp53bp1	0.571640821	0.73333952	0.84071562	1.0785269
A_55_P2185	18.2	Detected	7.1	Not Detect	3.7	Not Detect	10.4	Not Detect	Asic4	0.571428571	0.2032967	1.46478873	0.5211268
A_55_P2068	33.8	Detected	25.6	Detected	21.6	Detected	19.3	Not Detect	Polr1b	0.571005917	0.63905325	0.75390625	0.84375
A_51_P2827	293.6	Detected	179.4	Detected	458.1	Detected	167.6	Detected	Per2	0.570844687	1.5602861	0.9342252	2.5535117
A_55_P2146	23.3	Detected	10.6	Not Detect	12.9	Not Detect	13.3	Not Detect	Zcchc18	0.570815451	0.55364807	1.25471698	1.2169811
A_52_P7994	5940.4	Detected	4248	Detected	4309.9	Detected	3390.3	Detected	Ndst1	0.570719143	0.72552353	0.79809322	1.0145716
A_55_P2041	203.5	Detected	90.5	Detected	102.3	Detected	116.1	Detected	Gna12	0.570515971	0.5027027	1.28287293	1.1303867
A_66_P1182	123	Detected	76.3	Detected	78.3	Detected	70.1	Detected	Spdya	0.569918699	0.63658537	0.91874181	1.0262123
A_55_P2105	26.5	Detected	20.3	Detected	29.8	Detected	15.1	Not Detect	Bpifa3	0.569811321	1.1245283	0.74384236	1.4679803
A_55_P2070	16.5	Detected	23.4	Detected	5.9	Not Detect	9.4	Not Detect	Olfcr281	0.56969697	0.35757576	0.4017094	0.2521368
A_51_P4189	15.1	Detected	67.3	Detected	17.8	Detected	8.6	Not Detect	Prss2	0.569536424	1.17880795	0.12778603	0.2644874
A_51_P1616	14.4	Detected	10.9	Not Detect	3	Not Detect	8.2	Not Detect	Kng2	0.569444444	0.20833333	0.75229358	0.2752294
A_55_P2102	2505.5	Detected	1687.3	Detected	1536	Detected	1426.7	Detected	Lime1	0.56942726	0.61305129	0.84555207	0.9103301
A_51_P2186	25.3	Detected	28.3	Detected	13.6	Not Detect	14.4	Not Detect	Tex26	0.56916996	0.53754941	0.50883392	0.4805654
A_66_P1234	447.6	Detected	396.9	Detected	381.5	Detected	254.7	Detected	4930447J18Rik	0.569034853	0.8523235	0.64172336	0.9611993
A_55_P2310	912.6	Detected	531.9	Detected	561.1	Detected	519.2	Detected	2900056M20Rik	0.568923954	0.61483673	0.97612333	1.0548975
A_55_P2133	16	Detected	13.8	Not Detect	12.5	Not Detect	9.1	Not Detect	1700023F06Rik	0.56875	0.78125	0.65942029	0.9057971
A_55_P2138	109.9	Detected	121.3	Detected	81.3	Detected	62.5	Detected	Nab2	0.568698817	0.73976342	0.51525144	0.6702391
A_55_P2051	34382	Detected	23052.4	Detected	32438.9	Detected	19551.1	Detected	Axl	0.568643476	0.94348496	0.8481156	1.407181
A_55_P2018	31456.8	Detected	23628.5	Detected	21982.3	Detected	17883.4	Detected	Hdac7	0.56850665	0.69880916	0.75685719	0.9303299
A_51_P3625	218.5	Detected	165.1	Detected	58.1	Detected	124.2	Detected	Syde2	0.568421053	0.26590389	0.75227135	0.3519079
A_55_P2025	17.6	Detected	10.7	Not Detect	22.1	Detected	10	Not Detect	Zfp780b	0.568181818	1.25568182	0.93457944	2.0654206
A_51_P4490	8988.5	Detected	6220	Detected	6811.3	Detected	5106.8	Detected	Cndp2	0.568148189	0.75777938	0.82102894	1.0950643
A_52_P2769	10420.9	Detected	7538.2	Detected	8164.2	Detected	5919.3	Detected	Dnajb6	0.568021956	0.78344481	0.78524051	1.0830437
A_52_P1084	37331	Detected	20316.7	Detected	25106.3	Detected	21202.5	Detected	Glis2	0.567959605	0.67253221	1.0435996	1.2357469
A_55_P2028	15.5	Detected	6.9	Not Detect	3.2	Not Detect	8.8	Not Detect	Abcb11	0.567741935	0.20645161	1.27536232	0.4637681
A_52_P2568	500.1	Detected	317.5	Detected	377.8	Detected	283.8	Detected	Zik1	0.567486503	0.75544891	0.89385827	1.1899213

A_55_P2066	3766.7	Detected	1123.2	Detected	1159.6	Detected	2137.1	Detected	Gpr137b-ps	0.56736666	0.30785568	1.90268875	1.0324074
A_55_P2110	50.6	Detected	24.1	Detected	16.6	Not Detect	28.7	Not Detect	Fnbp1	0.567193676	0.32806324	1.19087137	0.6887967
A_55_P2072	29.8	Detected	24.7	Detected	25.2	Detected	16.9	Not Detect	Olf616	0.567114094	0.84563758	0.68421053	1.0202429
A_55_P2138	18	Detected	18.9	Detected	14.9	Not Detect	10.2	Not Detect	Psd3	0.566666667	0.82777778	0.53968254	0.7883598
A_51_P4723	17.3	Detected	15.2	Not Detect	13	Not Detect	9.8	Not Detect	4930426D05Rik	0.566473988	0.75144509	0.64473684	0.8552632
A_55_P2103	200677.2	Detected	146926.8	Detected	144645.5	Detected	113668.3	Detected	Psmc3	0.56642359	0.72078692	0.77363898	0.9844732
A_66_P1220	137	Detected	86.6	Detected	138.9	Detected	77.6	Detected	4833418N02Rik	0.566423358	1.01386861	0.8960739	1.6039261
A_51_P1494	111.1	Detected	70.2	Detected	179.5	Detected	62.9	Detected	Gng13	0.566156616	1.61566157	0.8960114	2.5569801
A_51_P3793	1585.2	Detected	1067.8	Detected	1429.5	Detected	897.4	Detected	Entpd6	0.566111532	0.90177896	0.84041955	1.3387338
A_55_P2022	121.1	Detected	52.6	Detected	51.7	Detected	68.5	Detected	Arvcf	0.565648225	0.4269199	1.30228137	0.9828897
A_66_P1314	73.9	Detected	49.7	Detected	43.7	Detected	41.8	Detected	Gm10099	0.565629229	0.59133965	0.84104628	0.8792757
A_52_P4404	1111.7	Detected	894.7	Detected	801.3	Detected	628.7	Detected	Polr1a	0.565530269	0.72078798	0.70269364	0.8956075
A_52_P6016	11957.1	Detected	7565.6	Detected	5774.2	Detected	6760.4	Detected	Abcc1	0.565387929	0.48290974	0.8935709	0.7632177
A_55_P1997	16.1	Detected	3.8	Not Detect	5.6	Not Detect	9.1	Not Detect	Gm5416	0.565217391	0.34782609	2.39473684	1.4736842
A_51_P4486	1216.9	Detected	560.2	Detected	1154.3	Detected	687.7	Detected	Slc16a10	0.565124497	0.94855781	1.22759729	2.0605141
A_55_P2111	38.4	Detected	46.9	Detected	51.1	Detected	21.7	Not Detect	Iglv1	0.565104167	1.33072917	0.46268657	1.0895522
A_55_P1996	26.9	Detected	10.1	Not Detect	3.5	Not Detect	15.2	Not Detect	Lphn1	0.565055762	0.13011152	1.5049505	0.3465347
A_52_P2620	364.6	Detected	274.9	Detected	259.9	Detected	205.9	Detected	Ccdc93	0.56472847	0.71283598	0.74899964	0.9454347
A_55_P2002	2548.4	Detected	1383.2	Detected	2311.3	Detected	1439.1	Detected	Pfkfb1	0.564707267	0.90696123	1.04041353	1.6709803
A_55_P2278	90.7	Detected	43	Detected	22.4	Detected	51.2	Not Detect	5430420F09Rik	0.564498346	0.24696803	1.19069767	0.5209302
A_51_P3821	26127	Detected	19901.2	Detected	31242.7	Detected	14744.9	Detected	Procr	0.564354882	1.19580128	0.74090507	1.5698903
A_55_P2022	33.5	Detected	30.5	Detected	29.4	Detected	18.9	Not Detect	Hpse2	0.564179104	0.87761194	0.61967213	0.9639344
A_52_P4975	2825.4	Detected	1301.6	Detected	1976.4	Detected	1593.4	Detected	Wipi1	0.563955546	0.69951157	1.22418562	1.5184388
A_51_P1006	108.7	Detected	75.7	Detected	89	Detected	61.3	Detected	Apon	0.563937443	0.81876725	0.80977543	1.1756935
A_55_P1955	18358.8	Detected	17308.1	Detected	11840	Detected	10350.9	Detected	Extl3	0.56381136	0.64492233	0.59803791	0.6840728
A_55_P1993	3421.1	Detected	1972.6	Detected	3175.9	Detected	1926.7	Detected	Sh2b3	0.563181433	0.92832715	0.97673122	1.6100071
A_55_P2315	17.6	Detected	13.5	Not Detect	12.2	Not Detect	9.9	Not Detect	4930590A17Rik	0.5625	0.69318182	0.73333333	0.9037037
A_55_P2164	16	Detected	12.8	Not Detect	3.2	Not Detect	9	Not Detect	Ptn	0.5625	0.2	0.703125	0.25
A_55_P1971	2507.6	Detected	1377.7	Detected	1793.8	Detected	1410.4	Detected	Csnk2a1	0.562450152	0.71534535	1.02373521	1.3020251
A_55_P2094	3966	Detected	3456.9	Detected	3092.7	Detected	2230.5	Detected	Fmnl3	0.562405446	0.77980333	0.64523128	0.8946455
A_52_P1354	782.2	Detected	398.1	Detected	437.2	Detected	439.9	Detected	Socs6	0.562388136	0.55893633	1.10499874	1.0982165
A_52_P3720	241.3	Detected	153.2	Detected	199.1	Detected	135.7	Detected	Zfp119a	0.562370493	0.82511397	0.88577023	1.2996084
A_51_P2464	3060.5	Detected	1848.3	Detected	2592.9	Detected	1721	Detected	Pbx2	0.562326417	0.84721451	0.9311259	1.4028567
A_52_P4992	686.9	Detected	549.6	Detected	737.8	Detected	386.2	Detected	Tbl2	0.562236133	1.07410103	0.70269287	1.3424309
A_55_P2024	247.6	Detected	176.9	Detected	3.3	Not Detect	139.2	Detected	Hoxb8	0.562197092	0.01332795	0.78688525	0.0186546
A_55_P1976	1304.3	Detected	968.6	Detected	742.3	Detected	733.2	Detected	11-Sep	0.562140612	0.56911753	0.75696882	0.7663638
A_55_P2020	277.2	Detected	180.9	Detected	230.5	Detected	155.8	Detected	Wdr76	0.562049062	0.83152958	0.86124931	1.2741846
A_55_P2013	105.9	Detected	62.4	Detected	116.9	Detected	59.5	Detected	LOC101055765	0.561850803	1.10387158	0.95352564	1.8733974
A_55_P2001	18795.1	Detected	11974.1	Detected	15356.4	Detected	10557.6	Detected	Ube2e3	0.561720874	0.81704274	0.88170301	1.282468
A_55_P1972	10282.1	Detected	9482	Detected	5285	Detected	5774.7	Detected	Elk3	0.561626516	0.51400006	0.60901709	0.5573719

A_51_P2898	2915.1	Detected	3289.9	Detected	2211.4	Detected	1636.9	Detected	Npnt	0.561524476	0.75860176	0.49755312	0.6721785
A_55_P1995	1412.8	Detected	765	Detected	832.8	Detected	793.2	Detected	Gm13212	0.561438279	0.58946772	1.03686275	1.0886275
A_51_P4652	45511.7	Detected	34255.7	Detected	33292.9	Detected	25546.8	Detected	Mcfd2	0.561323791	0.73152398	0.74576786	0.9718937
A_55_P1997	40.8	Detected	23.7	Detected	37.5	Detected	22.9	Not Detect	Nox1	0.56127451	0.91911765	0.96624473	1.5822785
A_55_P2175	16.4	Detected	3.2	Not Detect	3.2	Not Detect	9.2	Not Detect	Vmn2r35	0.56097561	0.19512195	2.875	1
A_55_P1992	4750.6	Detected	1825.3	Detected	4190.4	Detected	2663.3	Detected	Pfkfb4	0.560623921	0.88207805	1.45910261	2.2957322
A_55_P2002	578.3	Detected	572	Detected	357.6	Detected	324.2	Detected	Rabgap11	0.560608681	0.61836417	0.56678322	0.6251748
A_55_P2129	165.6	Detected	84.2	Detected	65.7	Detected	92.8	Detected	E030047D23Rik	0.560386473	0.39673913	1.10213777	0.780285
A_55_P1987	448.9	Detected	237.3	Detected	316.4	Detected	251.5	Detected	Lsm14b	0.560258409	0.70483404	1.05983987	1.3333333
A_55_P2066	5524.5	Detected	1591.2	Detected	1742.1	Detected	3094.7	Detected	Gpr137b	0.560177392	0.31534075	1.94488436	1.0948341
A_55_P2109	22.5	Detected	31.9	Detected	15.6	Not Detect	12.6	Not Detect	AI504432	0.56	0.69333333	0.39498433	0.4890282
A_55_P2173	268.8	Detected	277.4	Detected	135.4	Detected	150.5	Detected	Cdk5r1	0.559895833	0.50372024	0.54253785	0.4881038
A_55_P1961	10632	Detected	9137.4	Detected	8490.6	Detected	5951.6	Detected	Vax2	0.559781791	0.79858916	0.65134502	0.929214
A_51_P4561	25784.8	Detected	18759.1	Detected	20883.5	Detected	14429.6	Detected	Pdcd2	0.559616518	0.80991514	0.76920535	1.1132464
A_51_P2895	20876.2	Detected	13654	Detected	17411.5	Detected	11682.6	Detected	Ube2e3	0.55961334	0.83403589	0.8556174	1.2751941
A_52_P2830	1297.3	Detected	676	Detected	850.7	Detected	725.7	Detected	Slc5a3	0.559392585	0.65574655	1.07352071	1.258432
A_52_P7060	1426.4	Detected	822.6	Detected	764.9	Detected	797.7	Detected	Mex3a	0.559240045	0.53624509	0.96973012	0.9298566
A_55_P2029	889.5	Detected	282.9	Detected	325.6	Detected	497.4	Detected	Bmf	0.559190556	0.36604834	1.75821845	1.1509367
A_55_P2030	20.4	Detected	33.4	Detected	19.2	Detected	11.4	Not Detect	Tns1	0.558823529	0.94117647	0.34131737	0.5748503
A_55_P1985	899.7	Detected	557.3	Detected	674.9	Detected	502.7	Detected	Acp2	0.558741803	0.75013894	0.90202763	1.2110174
A_51_P2165	69.7	Detected	105	Detected	3.3	Not Detect	38.9	Not Detect	Trp63	0.558106169	0.04734577	0.37047619	0.0314286
A_55_P2115	32786.2	Detected	20798.3	Detected	25644.5	Detected	18295.6	Detected	Slc20a1	0.558027463	0.7821736	0.87966805	1.2330094
A_55_P2140	77733.8	Detected	26713.9	Detected	101508.6	Detected	43352.7	Detected	Creg1	0.557707201	1.30584894	1.62285177	3.799842
A_55_P2046	15.6	Detected	16.5	Detected	7.6	Not Detect	8.7	Not Detect	Olfir560	0.557692308	0.48717949	0.52727273	0.4606061
A_55_P1953	592.1	Detected	60.7	Detected	4.6	Not Detect	330.2	Detected	Abca8b	0.557676068	0.00776896	5.4398682	0.0757825
A_51_P3279	169.1	Detected	59.5	Detected	148.7	Detected	94.3	Detected	Rfx2	0.55765819	0.87936132	1.58487395	2.4991597
A_66_P1383	1330.4	Detected	910.7	Detected	968.3	Detected	741.9	Detected	Cndp2	0.557651834	0.72782622	0.81464807	1.0632481
A_55_P1966	361.4	Detected	252.2	Detected	72.2	Detected	201.5	Detected	Pdzd4	0.557553957	0.19977864	0.79896907	0.2862807
A_51_P1969	17254.2	Detected	11616.5	Detected	12644.6	Detected	9619.5	Detected	Chaf1a	0.557516431	0.73284186	0.82808936	1.0885034
A_55_P2012	1617.6	Detected	1027.2	Detected	1291.7	Detected	901.5	Detected	Rnf167	0.557307122	0.79852868	0.8776285	1.2574961
A_66_P1348	28.9	Detected	28.5	Detected	15.8	Not Detect	16.1	Not Detect	Ap4e1	0.557093426	0.5467128	0.56491228	0.554386
A_55_P2045	128	Detected	85.8	Detected	75.3	Detected	71.3	Detected	Rbms3	0.55703125	0.58828125	0.83100233	0.8776224
A_55_P1982	9821.8	Detected	5104.5	Detected	8791.7	Detected	5470.4	Detected	Dnajc5	0.556965118	0.89512106	1.07168185	1.722343
A_55_P2057	17.6	Detected	8.8	Not Detect	9.7	Not Detect	9.8	Not Detect	Gas7	0.556818182	0.55113636	1.11363636	1.1022727
A_55_P2075	2053.5	Detected	1924.3	Detected	1984.7	Detected	1143.2	Detected	Ttll4	0.556708059	0.96649623	0.59408616	1.031388
A_51_P4379	5626.6	Detected	3814.4	Detected	6560	Detected	3132	Detected	Coa5	0.556641666	1.16589059	0.82109899	1.7197987
A_55_P1957	7586.7	Detected	5927.2	Detected	5410.6	Detected	4222.8	Detected	Snx9	0.556605639	0.7131691	0.71244432	0.9128425
A_55_P2473	29989.9	Detected	17458.2	Detected	22249.1	Detected	16692.4	Detected	Mapre1	0.556600722	0.74188644	0.95613523	1.2744212
A_55_P2149	43.3	Detected	30.1	Detected	26.6	Detected	24.1	Not Detect	Camk2a	0.556581986	0.61431871	0.80066445	0.8837209
A_55_P1968	77.8	Detected	37.2	Detected	30.1	Detected	43.3	Not Detect	Rere	0.55655527	0.38688946	1.16397849	0.8091398

A_52_P4674	39.9	Detected	164	Detected	3.2	Not Detect	22.2	Not Detect	Alox12	0.556390977	0.0802005	0.13536585	0.0195122
A_55_P2043	3688.5	Detected	4476.5	Detected	1389.8	Detected	2051.4	Detected	Apol9a	0.556161041	0.37679273	0.4582598	0.3104658
A_55_P2110	37.4	Detected	8.8	Not Detect	14.1	Not Detect	20.8	Not Detect	Olf904	0.556149733	0.37700535	2.36363636	1.6022727
A_51_P3696	20315.1	Detected	15709.4	Detected	14376.2	Detected	11294.1	Detected	Hat1	0.55594607	0.7076608	0.71893898	0.9151336
A_51_P4235	628.7	Detected	244	Detected	123.1	Detected	349.5	Detected	Slfn2	0.555909019	0.19580086	1.43237705	0.5045082
A_51_P3486	22567.9	Detected	14538.2	Detected	15481	Detected	12545.6	Detected	Spast	0.555904626	0.68597433	0.86294039	1.0648498
A_55_P2034	347.5	Detected	185.4	Detected	192.7	Detected	193.1	Detected	Socs6	0.555683453	0.55453237	1.04153182	1.0393743
A_51_P1755	476.4	Detected	144.8	Detected	255.3	Detected	264.7	Detected	Trp53inp1	0.555625525	0.53589421	1.82803867	1.7631215
A_66_P1173	5439	Detected	3924.9	Detected	3035	Detected	3022	Detected	Rcn2	0.555616841	0.55800699	0.76995592	0.7732681
A_55_P2133	226.6	Detected	212.6	Detected	229	Detected	125.9	Detected	Ppih	0.55560459	1.01059135	0.59219191	1.0771402
A_55_P2151	18.9	Detected	167.8	Detected	3.8	Not Detect	10.5	Not Detect	Gml	0.555555556	0.2010582	0.06257449	0.022646
A_52_P1641	4862.3	Detected	1954.7	Detected	5696.9	Detected	2699	Detected	Gpd1	0.555087099	1.17164716	1.38077454	2.9144626
A_66_P1257	101.8	Detected	70.3	Detected	48.5	Detected	56.5	Detected	Gm4673	0.555009823	0.47642436	0.80369844	0.6899004
A_55_P2141	18.2	Detected	13.9	Not Detect	8.7	Not Detect	10.1	Not Detect	Gm16386	0.554945055	0.47802198	0.72661871	0.6258993
A_52_P2548	24.7	Detected	42.2	Detected	17.4	Detected	13.7	Not Detect	Spata4	0.55465587	0.70445344	0.32464455	0.4123223
A_55_P2033	21.1	Detected	11.1	Not Detect	14.2	Not Detect	11.7	Not Detect	1300002K09Rik	0.55450237	0.67298578	1.05405405	1.2792793
A_51_P3157	155.1	Detected	48.8	Detected	102.6	Detected	86	Detected	Pax3	0.55448098	0.6615087	1.76229508	2.102459
A_51_P3776	17.5	Detected	13.6	Not Detect	12.5	Not Detect	9.7	Not Detect	2900092C05Rik	0.554285714	0.71428571	0.71323529	0.9191176
A_52_P3686	76.7	Detected	100.5	Detected	49	Detected	42.5	Not Detect	Zswim4	0.55410691	0.63885267	0.42288557	0.4875622
A_55_P2025	1963	Detected	1321.2	Detected	1161.8	Detected	1087.4	Detected	Brpf3	0.553948039	0.59184921	0.82303966	0.8793521
A_55_P2062	17.7	Detected	3.5	Not Detect	3.4	Not Detect	9.8	Not Detect	Col12a1	0.553672316	0.1920904	2.8	0.9714286
A_55_P2089	2143.5	Detected	1098.2	Detected	1559.3	Detected	1186	Detected	2900097C17Rik	0.553300676	0.7274551	1.07994901	1.4198689
A_51_P3705	2504.6	Detected	1633.8	Detected	1786.1	Detected	1385.4	Detected	BC022687	0.553142218	0.71312784	0.84796181	1.0932183
A_51_P4649	41.6	Detected	37.8	Detected	19.1	Detected	23	Not Detect	Mefv	0.552884615	0.45913462	0.60846561	0.505291
A_66_P1212	217.6	Detected	213.6	Detected	352.7	Detected	120.3	Detected	Tgif2	0.552849265	1.62086397	0.56320225	1.6512172
A_55_P1993	570.4	Detected	532.9	Detected	219.6	Detected	315.3	Detected	Myo10	0.552769986	0.38499299	0.59166823	0.4120848
A_52_P4862	37.3	Detected	31.6	Detected	28.9	Detected	20.6	Not Detect	Zfp207	0.55227882	0.77479893	0.65189873	0.914557
A_55_P2037	203.9	Detected	116.9	Detected	132.9	Detected	112.6	Detected	Zfp600	0.552231486	0.65179009	0.96321642	1.1368691
A_51_P2576	2916.8	Detected	1893.8	Detected	2135.3	Detected	1610.5	Detected	Stau1	0.552146188	0.73206939	0.85040659	1.1275214
A_52_P5022	153.6	Detected	155.4	Detected	166.9	Detected	84.8	Detected	2810429I04Rik	0.552083333	1.08658854	0.54568855	1.0740026
A_51_P1443	237.3	Detected	170.9	Detected	253.2	Detected	131	Detected	Chn2	0.552043826	1.06700379	0.76653013	1.4815682
A_55_P2057	34.6	Detected	24.9	Detected	21.5	Detected	19.1	Not Detect	Gm3902	0.552023121	0.62138728	0.76706827	0.8634538
A_51_P3355	18.3	Detected	7.7	Not Detect	7.8	Not Detect	10.1	Not Detect	Slco1a4	0.551912568	0.42622951	1.31168831	1.012987
A_55_P1989	702.9	Detected	558.8	Detected	533.2	Detected	387.9	Detected	Fam149b	0.551856594	0.75857163	0.69416607	0.9541875
A_52_P4992	557.5	Detected	319.7	Detected	493.6	Detected	307.6	Detected	Zmym3	0.551748879	0.88538117	0.96215202	1.5439475
A_52_P3632	2289.5	Detected	1833.8	Detected	1303.4	Detected	1263.1	Detected	Gcnt2	0.551692509	0.56929461	0.68878831	0.7107645
A_51_P1379	16.5	Detected	13.9	Not Detect	13.2	Not Detect	9.1	Not Detect	Slc17a7	0.551515152	0.8	0.65467626	0.9496403
A_51_P4555	17.6	Detected	18.9	Detected	12.5	Not Detect	9.7	Not Detect	Bpifb2	0.551136364	0.71022727	0.51322751	0.6613757
A_55_P2099	18995.2	Detected	15478.5	Detected	17215.4	Detected	10466.5	Detected	Slc12a2	0.551007623	0.90630264	0.67619601	1.1122137
A_51_P1254	3805	Detected	1380.1	Detected	440.7	Detected	2096.4	Detected	Igf2r	0.550959264	0.11582129	1.51902036	0.3193247

A_55_P1953	208557.5	Detected	166447.3	Detected	134295.7	Detected	114887.3	Detected	Wfdc2	0.550866308	0.6439265	0.69023228	0.8068362
A_55_P2090	17.8	Detected	4.5	Not Detect	34.5	Detected	9.8	Not Detect	Rad211	0.550561798	1.93820225	2.17777778	7.6666667
A_52_P4859	379.2	Detected	190.2	Detected	281.7	Detected	208.6	Detected	Mdm4	0.550105485	0.74287975	1.09674027	1.4810726
A_55_P2117	66.2	Detected	32.8	Detected	18.8	Detected	36.4	Not Detect	Olf1243	0.549848943	0.28398792	1.1097561	0.5731707
A_55_P2125	399.7	Detected	201.3	Detected	256.1	Detected	219.7	Detected	Ext2	0.549662247	0.64073055	1.09140586	1.2722305
A_55_P2135	74.6	Detected	68.3	Detected	31.4	Detected	41	Not Detect	Lce1c	0.549597855	0.42091153	0.60029283	0.4597365
A_55_P2037	15.3	Detected	17.1	Detected	13.2	Not Detect	8.4	Not Detect	Trpm1	0.549019608	0.8627451	0.49122807	0.7719298
A_51_P4135	17617.6	Detected	8556.9	Detected	18795.6	Detected	9668.8	Detected	Nek6	0.548814822	1.06686495	1.12994192	2.1965431
A_51_P3042	18.6	Detected	75.6	Detected	3.6	Not Detect	10.2	Not Detect	Loxl1	0.548387097	0.19354839	0.13492063	0.047619
A_55_P1962	58715.3	Detected	14877.6	Detected	53628.2	Detected	32195.1	Detected	Ugt1a6b	0.548325564	0.91335989	2.16399823	3.6046271
A_55_P2016	24101.9	Detected	13133.6	Detected	24342.7	Detected	13214	Detected	Alkbh7	0.548255532	1.00999091	1.0061217	1.8534674
A_55_P2053	1342.5	Detected	906.1	Detected	950.8	Detected	736	Detected	Xkr8	0.548230912	0.70823091	0.81227238	1.0493323
A_52_P6631	3696.8	Detected	2166.3	Detected	2843.8	Detected	2026.7	Detected	Psmf1	0.548230902	0.7692599	0.93555833	1.3127452
A_51_P2038	104.4	Detected	75.4	Detected	54.1	Detected	57.2	Detected	Adrb1	0.54789272	0.51819923	0.75862069	0.7175066
A_55_P1982	23	Detected	21.8	Detected	25.4	Detected	12.6	Not Detect	Olf1467	0.547826087	1.10434783	0.57798165	1.1651376
A_51_P3547	5774.6	Detected	3190.9	Detected	5012.1	Detected	3163.3	Detected	Lefty1	0.547795518	0.86795622	0.9913504	1.5707481
A_51_P3612	807.7	Detected	707.2	Detected	1172.9	Detected	442.4	Detected	Fzd4	0.547728117	1.45214807	0.62556561	1.6585124
A_55_P2386	145.9	Detected	48.9	Detected	81	Detected	79.9	Detected	Ceacam2	0.547635367	0.55517478	1.63394683	1.6564417
A_55_P1969	543.8	Detected	301	Detected	453.1	Detected	297.6	Detected	Zfp758	0.547260022	0.83321074	0.98870432	1.5053156
A_66_P1397	4699.4	Detected	1197.4	Detected	1399.7	Detected	2571.5	Detected	Wnt4	0.547197515	0.29784653	2.14756973	1.1689494
A_55_P1980	407.9	Detected	278.1	Detected	381	Detected	223.2	Detected	Dennd1a	0.547192939	0.93405246	0.802589	1.3700108
A_55_P2088	1852.9	Detected	970.5	Detected	1705.2	Detected	1013.4	Detected	H2-T9	0.54692644	0.92028712	1.04420402	1.7570325
A_55_P2132	68.6	Detected	44.8	Detected	38.5	Detected	37.5	Not Detect	Tekt2	0.54664723	0.56122449	0.83705357	0.859375
A_51_P5027	29.1	Detected	23.4	Detected	12.6	Not Detect	15.9	Not Detect	Olf1875	0.546391753	0.43298969	0.67948718	0.5384615
A_55_P1983	30.2	Detected	22.5	Detected	16.5	Not Detect	16.5	Not Detect	C86187	0.546357616	0.54635762	0.73333333	0.7333333
A_52_P4176	827.7	Detected	675.2	Detected	687	Detected	452.2	Detected	Pacs1	0.546333213	0.83001087	0.66972749	1.0174763
A_55_P2032	55.1	Detected	29.1	Detected	67	Detected	30.1	Not Detect	B230307C23Rik	0.546279492	1.21597096	1.03436426	2.3024055
A_52_P5648	34.6	Detected	30.5	Detected	29.6	Detected	18.9	Not Detect	Zfp558	0.546242775	0.85549133	0.61967213	0.9704918
A_66_P1148	18.5	Detected	14.8	Not Detect	6.1	Not Detect	10.1	Not Detect	Iapp	0.545945946	0.32972973	0.68243243	0.4121622
A_55_P2022	227.4	Detected	154.1	Detected	194.7	Detected	124.1	Detected	Rbpj	0.545734389	0.85620053	0.80532122	1.2634653
A_51_P3357	18.7	Detected	22.4	Detected	17.4	Not Detect	10.2	Not Detect	Cldn26	0.545454545	0.93048128	0.45535714	0.7767857
A_66_P1264	1146.5	Detected	882	Detected	777.2	Detected	625.1	Detected	Fam69a	0.545224597	0.67788923	0.70873016	0.8811791
A_52_P1397	20	Detected	14.9	Not Detect	11.5	Not Detect	10.9	Not Detect	Adamts1	0.545	0.575	0.73154362	0.7718121
A_55_P2125	2138.9	Detected	1087	Detected	1647.2	Detected	1165.7	Detected	Sec1411	0.544999766	0.77011548	1.0724011	1.5153634
A_51_P2124	17.8	Detected	3.4	Not Detect	3.5	Not Detect	9.7	Not Detect	Lama4	0.54494382	0.19662921	2.85294118	1.0294118
A_51_P1061	9452.5	Detected	6284.3	Detected	7743.3	Detected	5150.6	Detected	Zfp64	0.544892885	0.81918011	0.81959805	1.2321659
A_55_P2167	87.2	Detected	102.7	Detected	77.6	Detected	47.5	Detected	Hdhd2	0.544724771	0.88990826	0.46251217	0.7555988
A_55_P2078	23.5	Detected	19.7	Detected	10.3	Not Detect	12.8	Not Detect	Foxl2os	0.544680851	0.43829787	0.64974619	0.5228426
A_52_P6315	6682.3	Detected	5590.2	Detected	5273.6	Detected	3639.7	Detected	Thoc6	0.544677731	0.78918935	0.65108583	0.9433652
A_51_P4050	696.9	Detected	504.2	Detected	352.8	Detected	379.5	Detected	Lpcat1	0.544554455	0.50624193	0.75267751	0.6997223

A_51_P2776	525.6	Detected	361	Detected	464.9	Detected	286.2	Detected	Zfp81	0.544520548	0.88451294	0.79279778	1.2878116
A_55_P2125	1607.3	Detected	686.9	Detected	929.4	Detected	875.1	Detected	Gm13247	0.544453431	0.57823679	1.27398457	1.3530354
A_51_P3055	2580.6	Detected	1353.5	Detected	495.1	Detected	1404.7	Detected	Snai2	0.544330776	0.19185461	1.03782785	0.3657924
A_51_P3023	47.8	Detected	68.8	Detected	49.6	Detected	26	Not Detect	Lgals7	0.543933054	1.0376569	0.37790698	0.7209302
A_51_P4110	17241.5	Detected	9033.1	Detected	11038.3	Detected	9377.7	Detected	Tmem127	0.543902793	0.64021692	1.03814859	1.2219836
A_51_P2737	17.1	Detected	16.8	Detected	3.3	Not Detect	9.3	Not Detect	Zfp354c	0.543859649	0.19298246	0.55357143	0.1964286
A_55_P1959	2137.9	Detected	2240.5	Detected	1967.8	Detected	1162.5	Detected	Sbno2	0.543757893	0.92043594	0.5188574	0.8782861
A_51_P3029	237.8	Detected	94.5	Detected	45.1	Detected	129.3	Detected	Rasl10a	0.54373423	0.18965517	1.36825397	0.4772487
A_55_P1975	60196.3	Detected	48642.5	Detected	38678	Detected	32730.5	Detected	Bicc1	0.543729432	0.64253119	0.67287866	0.7951483
A_51_P4931	928.2	Detected	881.6	Detected	363.2	Detected	504.6	Detected	Mettl15	0.543632838	0.39129498	0.57236842	0.4119782
A_52_P9440	2748.3	Detected	1170.1	Detected	3321.8	Detected	1493.7	Detected	Rtn4rl1	0.543499618	1.20867445	1.27655756	2.8389027
A_55_P2067	6146	Detected	4364.2	Detected	2251.7	Detected	3340	Detected	2410089E03Rik	0.54344289	0.36636837	0.76531781	0.5159479
A_52_P3491	148.5	Detected	127.3	Detected	163.1	Detected	80.7	Detected	Dtwd2	0.543434343	1.0983165	0.63393559	1.2812255
A_51_P2591	77.3	Detected	186.6	Detected	35.2	Detected	42	Not Detect	Klhl1	0.543337646	0.45536869	0.22508039	0.1886388
A_55_P2124	2790.8	Detected	2382.8	Detected	2476.2	Detected	1516.2	Detected	Synj2	0.54328508	0.88727247	0.63631022	1.0391976
A_55_P2102	19.7	Detected	15.5	Detected	27.5	Detected	10.7	Not Detect	Gm3893	0.543147208	1.39593909	0.69032258	1.7741935
A_55_P2000	12863.6	Detected	9484.4	Detected	8908.4	Detected	6986.8	Detected	Irf1	0.543144998	0.69252775	0.73666231	0.9392687
A_51_P4766	3932.9	Detected	1929.9	Detected	2263.1	Detected	2135.8	Detected	Ly96	0.543059829	0.5754278	1.10668947	1.1726514
A_66_P1194	18.6	Detected	13.8	Not Detect	13.1	Not Detect	10.1	Not Detect	Hepacam	0.543010753	0.70430108	0.73188406	0.9492754
A_51_P1421	809	Detected	734.3	Detected	479.2	Detected	439.2	Detected	Fzd7	0.54289246	0.59233622	0.59812066	0.6525943
A_51_P3965	368.8	Detected	234.2	Detected	249	Detected	200.1	Detected	Sufu	0.542570499	0.67516269	0.85439795	1.0631939
A_55_P2030	207.2	Detected	136.1	Detected	495.6	Detected	112.4	Detected	Frm4a	0.542471042	2.39189189	0.82586334	3.6414401
A_55_P2034	16.6	Detected	10.7	Not Detect	75.7	Detected	9	Not Detect	Clvs1	0.542168675	4.56024096	0.8411215	7.0747664
A_52_P7473	17.9	Detected	14.5	Not Detect	36.2	Detected	9.7	Not Detect	A330084C13Rik	0.541899441	2.02234637	0.66896552	2.4965517
A_52_P3505	4819.5	Detected	4961.6	Detected	962.2	Detected	2610.6	Detected	Kctd17	0.541674448	0.19964727	0.52616092	0.1939294
A_55_P2373	50.4	Detected	28.2	Detected	15.1	Detected	27.3	Not Detect	Slc12a1	0.541666667	0.29960317	0.96808511	0.535461
A_55_P2097	18.1	Detected	11.3	Not Detect	9.5	Not Detect	9.8	Not Detect	Ankrd6	0.541436464	0.52486188	0.86725664	0.840708
A_55_P2016	15.7	Detected	15.9	Detected	12.8	Not Detect	8.5	Not Detect	Hand2	0.541401274	0.81528662	0.53459119	0.8050314
A_52_P5518	37.5	Detected	55.7	Detected	30.2	Detected	20.3	Not Detect	Ccdc69	0.541333333	0.80533333	0.36445242	0.5421903
A_55_P2002	238.5	Detected	321.7	Detected	266.1	Detected	129.1	Detected	Lats2	0.54129979	1.11572327	0.40130556	0.8271682
A_55_P2032	17	Detected	3	Not Detect	3.1	Not Detect	9.2	Not Detect	Cc2d2b	0.541176471	0.18235294	3.06666667	1.0333333
A_55_P2021	424.5	Detected	193.5	Detected	327.2	Detected	229.7	Detected	Ier5	0.541107185	0.77078916	1.1870801	1.6909561
A_55_P2103	4494.1	Detected	3249.4	Detected	2814.6	Detected	2431	Detected	Snx9	0.540931443	0.6262878	0.74813812	0.8661907
A_55_P2317	110	Detected	23	Detected	35.9	Detected	59.5	Detected	AI594674	0.540909091	0.32636364	2.58695652	1.5608696
A_55_P2064	1804	Detected	1316.6	Detected	1793.2	Detected	975.6	Detected	Vps37d	0.540798226	0.9940133	0.74099954	1.361993
A_55_P2170	10215.6	Detected	5540.7	Detected	8653.6	Detected	5520.8	Detected	Lactb2	0.540428364	0.8470966	0.9964084	1.5618243
A_51_P1815	14205.4	Detected	13509.1	Detected	12035.5	Detected	7676.9	Detected	Hbegf	0.540421248	0.84724823	0.5682762	0.890918
A_65_P0141	2172.2	Detected	2476.2	Detected	670.6	Detected	1173.1	Detected	Kremen1	0.540051561	0.30871927	0.4737501	0.2708182
A_52_P1130	25	Detected	33.6	Detected	16	Not Detect	13.5	Not Detect	Kctd4	0.54	0.64	0.40178571	0.4761905
A_55_P2016	99814.8	Detected	76912.5	Detected	56819	Detected	53896.5	Detected	Wfdc2	0.539965015	0.56924424	0.70075085	0.7387486

A_52_P3400	9166.2 Detected	8349.7 Detected	5171.1 Detected	4949.2 Detected	Efnb2	0.539940215	0.56414872	0.59273986	0.6193157
A_52_P2701	353.1 Detected	266.6 Detected	209.3 Detected	190.6 Detected	Bbs5	0.539790428	0.59274993	0.71492873	0.7850713
A_52_P1228	249.2 Detected	164.6 Detected	203.3 Detected	134.5 Detected	Wdfy2	0.539727127	0.81581059	0.81713244	1.2351154
A_51_P1797	273.2 Detected	146.7 Detected	114.2 Detected	147.4 Detected	Hlx	0.539531479	0.41800878	1.00477164	0.7784594
A_55_P2097	21.9 Detected	20.5 Detected	24.6 Detected	11.8 Not Detect	Ccdc34	0.538812785	1.12328767	0.57560976	1.2
A_55_P1985	23.2 Detected	20.3 Detected	26.6 Detected	12.5 Not Detect	Usp2	0.538793103	1.14655172	0.61576355	1.3103448
A_55_P1968	14528 Detected	8090.4 Detected	5450.9 Detected	7826.2 Detected	Pacsin3	0.538697687	0.37519961	0.96734401	0.6737491
A_51_P2714	992.5 Detected	1154.8 Detected	890.1 Detected	534.5 Detected	Garem	0.538539043	0.8968262	0.46285071	0.7707828
A_55_P2048	2579.1 Detected	1608.2 Detected	1285.6 Detected	1388.6 Detected	Msantd3	0.53840487	0.49846846	0.86344982	0.7994031
A_55_P2402	91.6 Detected	28.7 Detected	50.7 Detected	49.3 Detected	B230216N24Rik	0.538209607	0.55349345	1.71777003	1.7665505
A_55_P2012	2310.7 Detected	2612.8 Detected	1913.5 Detected	1243.6 Detected	Fermt2	0.53819189	0.82810404	0.47596448	0.7323561
A_55_P2131	24.9 Detected	23.1 Detected	9.8 Not Detect	13.4 Not Detect	Gm13083	0.53815261	0.3935743	0.58008658	0.4242424
A_52_P6556	3167.3 Detected	2173.5 Detected	738.7 Detected	1704.1 Detected	H13	0.538029236	0.23322704	0.78403497	0.3398666
A_55_P2107	3451.8 Detected	2545.3 Detected	3668.4 Detected	1856.2 Detected	Dlk2	0.537748421	1.06274987	0.72926571	1.4412446
A_55_P1983	31168.2 Detected	22351.2 Detected	15025.1 Detected	16758.6 Detected	Acs14	0.537682638	0.48206505	0.74978525	0.6722279
A_51_P1573	18.6 Detected	17.1 Not Detect	18.6 Detected	10 Not Detect	Usp33	0.537634409	1	0.58479532	1.0877193
A_55_P2064	19 Detected	21.3 Detected	13.3 Not Detect	10.2 Not Detect	Trim12a	0.536842105	0.7	0.47887324	0.6244131
A_55_P2033	198.2 Detected	113.8 Detected	121.8 Detected	106.4 Detected	LOC101055644	0.536831483	0.61453078	0.93497364	1.0702988
A_55_P2118	21.8 Detected	22.4 Detected	20.5 Detected	11.7 Not Detect	Sez6l	0.536697248	0.94036697	0.52232143	0.9151786
A_52_P4657	86.9 Detected	36.5 Detected	61.1 Detected	46.6 Not Detect	Fam178a	0.536248562	0.70310702	1.27671233	1.6739726
A_51_P3119	56.7 Detected	32.7 Detected	28.6 Detected	30.4 Not Detect	Orm3	0.536155203	0.50440917	0.92966361	0.8746177
A_55_P1957	464.7 Detected	266.2 Detected	759.4 Detected	249.1 Detected	Gpsm3	0.53604476	1.63417258	0.93576258	2.8527423
A_51_P5170	18.1 Detected	26.3 Detected	60.7 Detected	9.7 Not Detect	D130040H23Rik	0.535911602	3.35359116	0.36882129	2.3079848
A_55_P2268	23.9 Detected	26.2 Detected	25.9 Detected	12.8 Not Detect	Gm17244	0.535564854	1.08368201	0.48854962	0.9885496
A_52_P2468	401.9 Detected	250.6 Detected	344.6 Detected	215.2 Detected	Haus2	0.535456581	0.85742722	0.85873903	1.3750998
A_55_P2098	39.8 Detected	36.1 Detected	34.5 Detected	21.3 Not Detect	Ugt2a1	0.535175879	0.86683417	0.5900277	0.9556787
A_51_P4984	18.7 Detected	22.2 Detected	12.1 Not Detect	10 Not Detect	Krtap15	0.534759358	0.64705882	0.45045045	0.545045
A_52_P1040	116.7 Detected	104.2 Detected	47.9 Detected	62.4 Detected	Slc25a27	0.53470437	0.41045416	0.59884837	0.4596929
A_51_P1946	36.3 Detected	25.5 Detected	30.1 Detected	19.4 Not Detect	Gk2	0.534435262	0.8292011	0.76078431	1.1803922
A_51_P1158	11889.3 Detected	4004.9 Detected	13220.2 Detected	6353.3 Detected	Ralgs2	0.534371241	1.11194099	1.58638168	3.3010063
A_55_P2113	2911.5 Detected	2638.2 Detected	672.2 Detected	1555.4 Detected	Camkk1	0.534226344	0.23087755	0.58956865	0.2547949
A_55_P2179	16.1 Detected	10.6 Not Detect	8.8 Not Detect	8.6 Not Detect	9030624G23Rik	0.534161491	0.54658385	0.81132075	0.8301887
A_52_P3638	28.1 Detected	47.4 Detected	20.9 Detected	15 Not Detect	Zscan4c	0.533807829	0.74377224	0.3164557	0.4409283
A_52_P6645	1626.1 Detected	1163.3 Detected	1829 Detected	867.7 Detected	Abhd2	0.533608019	1.12477707	0.7458953	1.5722514
A_55_P2040	362.5 Detected	349.5 Detected	262.3 Detected	193.4 Detected	Eng	0.533517241	0.72358621	0.55336195	0.7505007
A_51_P4268	323.1 Detected	315.7 Detected	399.3 Detected	172.3 Detected	Gdpd3	0.533271433	1.2358403	0.5457713	1.2648084
A_51_P3235	10107.5 Detected	5087 Detected	6746 Detected	5389.4 Detected	Snx21	0.533208014	0.66742518	1.05944565	1.3261254
A_66_P1388	338.2 Detected	801.4 Detected	3.3 Not Detect	180.3 Detected	Sp8	0.533116499	0.00975754	0.22498128	0.0041178
A_51_P5167	2839.7 Detected	2617.4 Detected	1609.4 Detected	1513.2 Detected	Ern1	0.532873191	0.56675001	0.57813097	0.614885
A_55_P2097	180.2 Detected	129 Detected	59.4 Detected	96 Detected	Eid1	0.532741398	0.32963374	0.74418605	0.4604651

A_55_P2165	3225.2	Detected	1801.2	Detected	1797.3	Detected	1716.5	Detected	Plekhg5	0.532215056	0.55726777	0.95297579	0.9978348
A_55_P2004	18.8	Detected	13.4	Not Detect	8.7	Not Detect	10	Not Detect	Gm6402	0.531914894	0.46276596	0.74626866	0.6492537
A_55_P2107	22.2	Detected	17.4	Detected	19.1	Detected	11.8	Not Detect	BC030307	0.531531532	0.86036036	0.67816092	1.0977011
A_55_P2351	274	Detected	326.3	Detected	209.3	Detected	145.6	Detected	Snora47	0.531386861	0.76386861	0.44621514	0.6414343
A_52_P5940	4761.6	Detected	3319	Detected	3474.9	Detected	2530	Detected	Actr5	0.531334005	0.72977571	0.76227779	1.046972
A_55_P1956	33.7	Detected	165	Detected	23.3	Detected	17.9	Not Detect	Gpr68	0.53115727	0.69139466	0.10848485	0.1412121
A_51_P1147	469.8	Detected	267.4	Detected	298.4	Detected	249.5	Detected	Cpne1	0.531077054	0.6351639	0.93305909	1.1159312
A_55_P2046	17.7	Detected	18.6	Detected	8.8	Not Detect	9.4	Not Detect	1700003E24Rik	0.531073446	0.49717514	0.50537634	0.4731183
A_55_P2033	2262.5	Detected	1172	Detected	2041.1	Detected	1201.4	Detected	Pdp1	0.531005525	0.90214365	1.02508532	1.7415529
A_51_P2542	12750.6	Detected	8934.6	Detected	13391	Detected	6770.3	Detected	Dlk2	0.530978934	1.05022509	0.75776196	1.49878
A_55_P1955	107	Detected	165.7	Detected	80.3	Detected	56.8	Detected	Gm7978	0.530841121	0.75046729	0.34278817	0.4846107
A_55_P2093	3750.3	Detected	1917.3	Detected	3206.2	Detected	1990.7	Detected	Dnajc5	0.530810868	0.85491827	1.038283	1.6722474
A_55_P2062	21.1	Detected	108.6	Detected	12.2	Not Detect	11.2	Not Detect	Mfap5	0.530805687	0.57819905	0.10313076	0.1123389
A_52_P8926	626.3	Detected	441.6	Detected	297.7	Detected	332.4	Detected	Gatsl2	0.530736069	0.47533131	0.75271739	0.6741395
A_51_P4347	530.6	Detected	294.7	Detected	576.6	Detected	281.5	Detected	Jmjd8	0.530531474	1.08669431	0.95520869	1.956566
A_55_P2021	16.6	Detected	7.1	Not Detect	8	Not Detect	8.8	Not Detect	BC106179	0.530120482	0.48192771	1.23943662	1.1267606
A_55_P2063	26.6	Detected	19.7	Detected	21.9	Detected	14.1	Not Detect	C230099D08Rik	0.530075188	0.82330827	0.71573604	1.1116751
A_52_P4767	2092.8	Detected	4014.7	Detected	1224.3	Detected	1109.3	Detected	Fam110c	0.530055428	0.58500573	0.27630956	0.3049543
A_52_P1551	156.8	Detected	109.7	Detected	40.9	Detected	83.1	Detected	Zfp229	0.52997449	0.26084184	0.75752051	0.372835
A_55_P2037	106.8	Detected	77.6	Detected	16.4	Not Detect	56.6	Detected	Gm10638	0.529962547	0.15355805	0.72938144	0.2113402
A_51_P4651	125.7	Detected	104.7	Detected	144	Detected	66.6	Detected	Hoga1	0.529832936	1.14558473	0.63610315	1.3753582
A_55_P1992	214.1	Detected	136.6	Detected	85	Detected	113.4	Detected	Epb4.111	0.529659038	0.39701074	0.83016105	0.6222548
A_52_P1967	96.5	Detected	64.3	Detected	39.2	Detected	51.1	Detected	Zfp169	0.529533679	0.40621762	0.79471229	0.6096423
A_51_P1236	1396.4	Detected	2236	Detected	185.5	Detected	739	Detected	Synpo	0.529217989	0.13284159	0.33050089	0.0829606
A_55_P2076	704.4	Detected	689.7	Detected	472.1	Detected	372.7	Detected	Farp1	0.529102783	0.67021579	0.54037988	0.6845005
A_55_P2000	17.2	Detected	8.3	Not Detect	11.3	Not Detect	9.1	Not Detect	Syt15	0.529069767	0.65697674	1.09638554	1.3614458
A_55_P1988	4737.1	Detected	4642.3	Detected	2584.6	Detected	2505.6	Detected		9-Sep 0.528931203	0.54560807	0.53973246	0.5567499
A_51_P1679	20.8	Detected	15.7	Not Detect	3.9	Not Detect	11	Not Detect	Tifab	0.528846154	0.1875	0.70063694	0.2484076
A_55_P2024	8333	Detected	2756.4	Detected	8149.6	Detected	4406.1	Detected	Tbkbp1	0.52875315	0.97799112	1.59849804	2.9566101
A_55_P2136	753.8	Detected	448.5	Detected	481	Detected	398.4	Detected	Cep250	0.528522154	0.63810029	0.88829431	1.0724638
A_55_P2080	19.3	Detected	17.2	Not Detect	3.9	Not Detect	10.2	Not Detect	Plaa	0.528497409	0.20207254	0.59302326	0.2267442
A_66_P1162	279.9	Detected	193.2	Detected	176.9	Detected	147.9	Detected	Tpgs2	0.528403001	0.63201143	0.76552795	0.9156315
A_55_P2068	4368.5	Detected	2233.6	Detected	3573.9	Detected	2307.9	Detected	Rap1gap	0.52830491	0.8181069	1.03326468	1.6000627
A_55_P2048	45901.7	Detected	14730.6	Detected	41891.7	Detected	24236.9	Detected	Efemp1	0.528017481	0.9126394	1.64534371	2.8438556
A_52_P6125	320.6	Detected	159.3	Detected	178.6	Detected	169.2	Detected	Ss18l1	0.527760449	0.55708047	1.06214689	1.1211551
A_52_P4285	1262.4	Detected	847.4	Detected	582.1	Detected	666	Detected	Fgd1	0.52756654	0.46110583	0.78593344	0.6869247
A_55_P2137	1012.4	Detected	288.9	Detected	164.2	Detected	534.1	Detected	Dip2c	0.527558277	0.16218886	1.84873659	0.5683628
A_55_P1985	1890.3	Detected	2621.9	Detected	986.4	Detected	996.8	Detected	Dlg3	0.527323705	0.52182193	0.38018231	0.3762157
A_52_P4107	18.8	Detected	41.5	Detected	3.8	Not Detect	9.9	Not Detect	Sema7a	0.526595745	0.20212766	0.23855422	0.0915663
A_55_P2144	12484.3	Detected	6717.9	Detected	8739.7	Detected	6571.4	Detected	Apip	0.526373125	0.70005527	0.97819259	1.3009571

A_55_P2021	1012.7	Detected	657.4	Detected	702.1	Detected	532.7	Detected	Ier5	0.526019552	0.69329515	0.81031336	1.0679951
A_52_P8577	17.3	Detected	13.6	Not Detect	15	Not Detect	9.1	Not Detect	Trim6	0.526011561	0.86705202	0.66911765	1.1029412
A_55_P2092	13379.3	Detected	9717.1	Detected	9077.7	Detected	7036.1	Detected	Tgif1	0.525894479	0.67848841	0.72409464	0.9341985
A_66_P1057	4597	Detected	3150.2	Detected	3030.9	Detected	2416.6	Detected	Tor1b	0.525690668	0.6593213	0.7671259	0.9621294
A_55_P1991	8328	Detected	4769.7	Detected	5850.5	Detected	4376.6	Detected	Gamt	0.525528338	0.70250961	0.91758392	1.2265971
A_55_P2120	17.7	Detected	9	Not Detect	10.9	Not Detect	9.3	Not Detect	Olfir75-ps1	0.525423729	0.61581921	1.03333333	1.2111111
A_55_P2369	394	Detected	155.1	Detected	396.5	Detected	207	Detected	Ggta1	0.525380711	1.00634518	1.33462282	2.5564152
A_51_P3347	278.8	Detected	215	Detected	154.6	Detected	146.3	Detected	Cdon	0.524748924	0.55451937	0.68046512	0.7190698
A_55_P1975	18874.2	Detected	5413.3	Detected	10244.2	Detected	9902.6	Detected	H6pd	0.524663297	0.54276208	1.82930929	1.8924131
A_55_P2074	20982.2	Detected	13628.6	Detected	11616.8	Detected	11006.9	Detected	Dlgap4	0.524582742	0.55365024	0.80763248	0.852384
A_52_P2502	26.7	Detected	37.8	Detected	4.4	Not Detect	14	Not Detect	Klra17	0.524344569	0.16479401	0.37037037	0.1164021
A_55_P2065	1187.1	Detected	1167.1	Detected	481.9	Detected	622.2	Detected	Stk30	0.524134445	0.40594727	0.53311627	0.4129038
A_52_P5766	1579.9	Detected	774.1	Detected	1357.8	Detected	827.3	Detected	Zfp944	0.523640737	0.85942148	1.06872497	1.7540369
A_52_P1637	202743.9	Detected	133954	Detected	139960.6	Detected	106126.5	Detected	Tubb5	0.523451014	0.69033199	0.79226078	1.0448408
A_55_P2092	109927.5	Detected	92851.6	Detected	86141.4	Detected	57539.4	Detected	Anxa1	0.523430443	0.78362011	0.61969207	0.927732
A_55_P2116	181.9	Detected	73.3	Detected	55.3	Detected	95.2	Detected	Tnfrsf25	0.523364486	0.30401319	1.29877217	0.7544338
A_55_P1997	19912.8	Detected	10165.2	Detected	13885.9	Detected	10421.4	Detected	Apip	0.523351814	0.69733538	1.02520364	1.3660233
A_55_P2174	19.3	Detected	17.2	Not Detect	13.6	Not Detect	10.1	Not Detect	St8sia5	0.523316062	0.70466321	0.5872093	0.7906977
A_55_P2012	19.3	Detected	19.3	Detected	15.7	Not Detect	10.1	Not Detect	Smim14	0.523316062	0.8134715	0.52331606	0.8134715
A_51_P2808	17.2	Detected	20.2	Detected	17.7	Detected	9	Not Detect	Pla2g1b	0.523255814	1.02906977	0.44554455	0.8762376
A_55_P2039	6379.6	Detected	3418.7	Detected	5333.2	Detected	3337.5	Detected	Rap1gap	0.523151922	0.83597718	0.97624828	1.5600082
A_55_P1955	1428.6	Detected	779	Detected	1071.2	Detected	747.3	Detected	Zfp820	0.523099538	0.749825	0.9593068	1.3750963
A_55_P2014	100	Detected	51.7	Detected	41.2	Detected	52.3	Detected	Gm4354	0.523	0.412	1.01160542	0.7969052
A_51_P2596	26.2	Detected	20.1	Detected	19.4	Detected	13.7	Not Detect	Tsks	0.522900763	0.74045802	0.68159204	0.9651741
A_52_P3319	2055.2	Detected	1560.4	Detected	1620.4	Detected	1074.6	Detected	Trp53rk	0.522868821	0.78843908	0.68866957	1.0384517
A_55_P1976	213.7	Detected	112.4	Detected	195.8	Detected	111.7	Detected	Gpcpd1	0.522695367	0.91623772	0.99377224	1.7419929
A_51_P4416	41.9	Detected	23.3	Detected	24	Detected	21.9	Not Detect	Lrrc10	0.522673031	0.57279236	0.93991416	1.0300429
A_52_P2516	37.7	Detected	23.9	Detected	15.8	Not Detect	19.7	Not Detect	Fam222a	0.522546419	0.41909814	0.82426778	0.6610879
A_55_P1999	57.8	Detected	33.6	Detected	25.8	Detected	30.2	Not Detect	Defb45	0.522491349	0.44636678	0.89880952	0.7678571
A_66_P1267	17.8	Detected	3.8	Not Detect	5.8	Not Detect	9.3	Not Detect	Gm4792	0.52247191	0.3258427	2.44736842	1.5263158
A_52_P4123	17.8	Detected	5.6	Not Detect	3.3	Not Detect	9.3	Not Detect	Fbxl21	0.52247191	0.18539326	1.66071429	0.5892857
A_52_P4991	36	Detected	30.9	Detected	28.5	Detected	18.8	Not Detect	Tex101	0.522222222	0.79166667	0.60841424	0.9223301
A_66_P1200	709.8	Detected	397.3	Detected	446.9	Detected	370.5	Detected	Uhrf1	0.521978022	0.62961398	0.93254468	1.1248427
A_51_P1454	2007.6	Detected	1207	Detected	1281.1	Detected	1046.7	Detected	Lin7c	0.521368799	0.63812512	0.86719138	1.0613919
A_55_P1960	10779.8	Detected	5795.4	Detected	6528.7	Detected	5619.7	Detected	Nlgn2	0.52131765	0.60564203	0.96968285	1.1265314
A_55_P2085	843.5	Detected	992.7	Detected	259.3	Detected	439.7	Detected	Vgf	0.521280379	0.3074096	0.44293341	0.2612068
A_52_P2220	18.8	Detected	11.2	Not Detect	18.1	Detected	9.8	Not Detect	Ackr2	0.521276596	0.96276596	0.875	1.6160714
A_55_P2014	18.8	Detected	26.8	Detected	9.1	Not Detect	9.8	Not Detect	Vmn1r41	0.521276596	0.48404255	0.36567164	0.3395522
A_52_P3601	613.7	Detected	342	Detected	264.8	Detected	319.7	Detected	Clip2	0.520938569	0.43148118	0.93479532	0.774269
A_55_P1959	21.7	Detected	46.1	Detected	16.5	Not Detect	11.3	Not Detect	Gm13119	0.520737327	0.76036866	0.24511931	0.3579176

A_55_P2109	19.4 Detected	9.3 Not Detect	5.5 Not Detect	10.1 Not Detect	Olfr1065	0.520618557	0.28350515	1.08602151	0.5913978
A_55_P2148	19.4 Detected	26.9 Detected	18.6 Detected	10.1 Not Detect	Zan	0.520618557	0.95876289	0.37546468	0.6914498
A_66_P1253	831.7 Detected	605 Detected	529.4 Detected	432.9 Detected	Ccne1	0.52050018	0.63652759	0.71553719	0.8750413
A_66_P1044	8726 Detected	6131.9 Detected	2903.9 Detected	4541 Detected	Ckap4	0.520398808	0.33278707	0.74055535	0.4735726
A_55_P2184	188.4 Detected	331.7 Detected	118.2 Detected	98 Detected	Gm10387	0.520169851	0.62738854	0.29544769	0.3563461
A_51_P4089	21856.8 Detected	15638.2 Detected	13554.4 Detected	11367.4 Detected	Ccne1	0.520085282	0.62014568	0.72689952	0.8667494
A_55_P2038	17.5 Detected	18.8 Detected	22 Detected	9.1 Not Detect	Fam49a	0.52	1.25714286	0.48404255	1.1702128
A_51_P2093	1167.8 Detected	1266.6 Detected	151 Detected	607.1 Detected	Apln	0.519866415	0.12930296	0.4793147	0.1192168
A_55_P1952	35.6 Detected	26.6 Detected	24.6 Detected	18.5 Not Detect	Gm833	0.519662921	0.69101124	0.69548872	0.924812
A_55_P2066	49.1 Detected	26.2 Detected	31.6 Detected	25.5 Not Detect	Med28	0.519348269	0.64358452	0.97328244	1.2061069
A_55_P2036	4426.2 Detected	4482.5 Detected	968.3 Detected	2298.2 Detected	Bdnf	0.519226424	0.21876553	0.51270496	0.2160178
A_52_P3537	2095.7 Detected	801.6 Detected	1096.3 Detected	1087.9 Detected	Plagl2	0.51911056	0.52311877	1.35716068	1.3676397
A_66_P1175	76.3 Detected	47.3 Detected	56.6 Detected	39.6 Not Detect	A830049F12Rik	0.519003932	0.74180865	0.8372093	1.1966173
A_55_P2054	479.1 Detected	324.9 Detected	303.4 Detected	248.6 Detected	Camsap2	0.518889585	0.63327072	0.76515851	0.9338258
A_51_P2905	1088.4 Detected	1345.1 Detected	693.5 Detected	564.7 Detected	Plk2	0.518834987	0.63717383	0.41982009	0.5155751
A_52_P4026	928.6 Detected	496.9 Detected	563.6 Detected	481.6 Detected	Ninl	0.518630196	0.60693517	0.9692091	1.1342322
A_55_P1973	34.9 Detected	73.3 Detected	33.4 Detected	18.1 Not Detect	Spn	0.518624642	0.95702006	0.24693042	0.4556617
A_51_P3661	16.4 Detected	23.2 Detected	8 Not Detect	8.5 Not Detect	Mertk	0.518292683	0.48780488	0.36637931	0.3448276
A_51_P2048	16228.3 Detected	7390.8 Detected	9812.8 Detected	8407.5 Detected	Celf1	0.518076447	0.60467209	1.13756292	1.3277047
A_55_P2143	2137.8 Detected	1418.2 Detected	1845.3 Detected	1107.2 Detected	Qk	0.517915614	0.8631771	0.78070794	1.3011564
A_55_P2182	19.7 Detected	10.4 Not Detect	11.2 Not Detect	10.2 Not Detect	Plcg1	0.517766497	0.56852792	0.98076923	1.0769231
A_52_P2541	580 Detected	321.1 Detected	481.3 Detected	300.3 Detected	Nr3c1	0.517758621	0.82982759	0.93522267	1.49891
A_55_P2114	3068.8 Detected	5154.8 Detected	1660.2 Detected	1588.7 Detected	Dynap	0.517694213	0.54099322	0.30819818	0.3220688
A_55_P2097	648.7 Detected	275.7 Detected	100.4 Detected	335.8 Detected	Nkx1-1	0.517650686	0.15477108	1.21799057	0.3641639
A_55_P2009	48.3 Detected	33.4 Detected	13.3 Not Detect	25 Not Detect	S100ppb	0.517598344	0.27536232	0.74850299	0.3982036
A_52_P1766	1751.6 Detected	850.4 Detected	1037.2 Detected	906.6 Detected	Atat1	0.517583923	0.59214433	1.06608655	1.2196613
A_55_P2038	246 Detected	190.1 Detected	140.3 Detected	127.3 Detected	Tyro3	0.517479675	0.5703252	0.66964755	0.7380326
A_55_P2071	201 Detected	118.1 Detected	69 Detected	104 Detected	Nav2	0.517412935	0.34328358	0.88060965	0.5842506
A_55_P2095	240.7 Detected	530.2 Detected	106.3 Detected	124.5 Detected	Ubash3b	0.517241379	0.44162858	0.23481705	0.2004904
A_55_P2121	1179.6 Detected	330.2 Detected	340 Detected	610 Detected	Gpr137b	0.517124449	0.2882333	1.84736523	1.029679
A_52_P2328	1254.1 Detected	1120.9 Detected	1306.6 Detected	648.5 Detected	Ets1	0.517103899	1.04186269	0.57855295	1.1656704
A_55_P2003	64.6 Detected	44.4 Detected	45 Detected	33.4 Not Detect	Magel2	0.517027864	0.69659443	0.75225225	1.0135135
A_52_P5949	1538.6 Detected	965.7 Detected	1523.8 Detected	794.9 Detected	Atl3	0.516638503	0.99038087	0.82313348	1.5779228
A_51_P4346	4444.3 Detected	2819.8 Detected	3949.5 Detected	2295.8 Detected	Qk	0.516571789	0.88866638	0.81417122	1.4006313
A_55_P2179	27.3 Detected	12.4 Not Detect	18.3 Detected	14.1 Not Detect	Pinc	0.516483516	0.67032967	1.13709677	1.4758065
A_55_P2031	65.7 Detected	18 Detected	93.9 Detected	33.9 Not Detect	Fam131a	0.515981735	1.42922374	1.88333333	5.2166667
A_66_P1205	40141.7 Detected	31900 Detected	30109.7 Detected	20699.6 Detected	Anxa1	0.515663263	0.75008532	0.64889028	0.9438777
A_51_P1993	792 Detected	375.3 Detected	472.5 Detected	408.3 Detected	Elmo2	0.515530303	0.59659091	1.08792966	1.2589928
A_51_P4166	9995.6 Detected	7808.2 Detected	5682.4 Detected	5152.7 Detected	Ext1	0.515496819	0.56849014	0.65990881	0.7277478
A_55_P2140	22.9 Detected	15.3 Not Detect	24.2 Detected	11.8 Not Detect	Wap	0.515283843	1.05676856	0.77124183	1.5816993

A_52_P3496	569.9	Detected	361.9	Detected	421.2	Detected	293.5	Detected	Copg1	0.515002632	0.73907703	0.81099751	1.1638574
A_55_P2102	7417.4	Detected	7034.4	Detected	6700.2	Detected	3818.3	Detected	Stambpl1	0.514776067	0.90330844	0.54280393	0.9524906
A_51_P2237	5356.4	Detected	3366.2	Detected	3949.9	Detected	2756.3	Detected	Pask	0.514580689	0.73741692	0.81881647	1.1734003
A_55_P2167	796.6	Detected	915.1	Detected	226.8	Detected	409.8	Detected	Cdk14	0.514436355	0.28471002	0.44781991	0.2478418
A_55_P2074	1953.3	Detected	1519.6	Detected	1114.2	Detected	1004.5	Detected	Tctn1	0.514257922	0.57041929	0.66102922	0.7332193
A_51_P2912	38.9	Detected	22.7	Detected	35.3	Detected	20	Not Detect	Mobp	0.514138817	0.90745501	0.88105727	1.5550661
A_55_P2079	318.1	Detected	192.2	Detected	237.4	Detected	163.5	Detected	Prl6a1	0.513989312	0.74630619	0.85067638	1.2351717
A_55_P2071	17.9	Detected	11.8	Not Detect	15.6	Not Detect	9.2	Not Detect	Trh	0.51396648	0.87150838	0.77966102	1.3220339
A_55_P2315	17.9	Detected	17	Detected	12.3	Not Detect	9.2	Not Detect	Ttl8	0.51396648	0.68715084	0.54117647	0.7235294
A_51_P1648	17788.2	Detected	3743.4	Detected	12670.5	Detected	9141.7	Detected	Ppl	0.51391934	0.71229804	2.44208474	3.3847572
A_52_P3273	459.7	Detected	469.6	Detected	113.4	Detected	236.2	Detected	Fndc4	0.513813357	0.24668262	0.50298126	0.2414821
A_55_P2112	18.1	Detected	27.8	Detected	19	Detected	9.3	Not Detect	BC051628	0.513812155	1.04972376	0.33453237	0.6834532
A_55_P1962	5052.5	Detected	5029.8	Detected	2455.4	Detected	2596	Detected	Cplx2	0.513805047	0.48597724	0.5161239	0.4881705
A_55_P2038	380	Detected	44.4	Detected	69.2	Detected	195.2	Detected	Acot5	0.513684211	0.18210526	4.3963964	1.5585586
A_55_P2024	687.4	Detected	228.5	Detected	618.3	Detected	353.1	Detected	Tbkbp1	0.513674716	0.89947629	1.5452954	2.7059081
A_52_P2453	497.4	Detected	268.6	Detected	354.4	Detected	255.5	Detected	Rtf1	0.51367109	0.71250503	0.95122859	1.3194341
A_55_P2439	66.6	Detected	29.4	Detected	40.1	Detected	34.2	Not Detect	R74862	0.513513514	0.6021021	1.16326531	1.3639456
A_55_P1954	148	Detected	70	Detected	83.6	Detected	76	Detected	Plagl2	0.513513514	0.56486486	1.08571429	1.1942857
A_51_P1256	23.2	Detected	21	Detected	15.6	Not Detect	11.9	Not Detect	Vwce	0.512931034	0.67241379	0.56666667	0.7428571
A_55_P1964	23.8	Detected	51.5	Detected	11.2	Not Detect	12.2	Not Detect	Cd164l2	0.512605042	0.47058824	0.2368932	0.2174757
A_51_P1697	84381.3	Detected	66286.2	Detected	14114.3	Detected	43251.1	Detected	Tuba1a	0.512567358	0.1672681	0.65249026	0.2129297
A_55_P1972	225.6	Detected	155.9	Detected	150.1	Detected	115.6	Detected	Ly6g5b	0.512411348	0.66533688	0.74150096	0.9627967
A_55_P1979	74	Detected	4.1	Not Detect	459.1	Detected	37.9	Not Detect	Kcne2	0.512162162	6.20405405	9.24390244	111.97561
A_55_P1973	10050.5	Detected	5704.8	Detected	6811.4	Detected	5146.1	Detected	Gamt	0.512024277	0.67771753	0.90206493	1.193977
A_66_P1106	4840.1	Detected	5466.7	Detected	1413.1	Detected	2477.7	Detected	Apol9b	0.511910911	0.29195678	0.45323504	0.2584923
A_55_P2129	1238.4	Detected	929.3	Detected	691.8	Detected	633.8	Detected	Chd7	0.511789406	0.55862403	0.68201872	0.7444313
A_55_P1996	17	Detected	14.1	Not Detect	14.4	Not Detect	8.7	Not Detect	Grm8	0.511764706	0.84705882	0.61702128	1.0212766
A_55_P1991	26.2	Detected	27.5	Detected	19	Detected	13.4	Not Detect	Zfp407	0.511450382	0.72519084	0.48727273	0.6909091
A_51_P5139	280.3	Detected	193.3	Detected	189.7	Detected	143.3	Detected	Spag4	0.511237959	0.67677488	0.74133471	0.9813761
A_55_P2151	26937.4	Detected	19527.8	Detected	16322.4	Detected	13768.1	Detected	Rarg	0.511114658	0.60593821	0.70505126	0.8358545
A_51_P4736	148.5	Detected	103.8	Detected	100.6	Detected	75.9	Detected	B230216G23Rik	0.511111111	0.67744108	0.73121387	0.9691715
A_51_P2677	213.9	Detected	173.5	Detected	69.5	Detected	109.3	Detected	Il11	0.510986442	0.32491819	0.62997118	0.4005764
A_55_P1955	9869.7	Detected	6368.4	Detected	6787	Detected	5040.6	Detected	Cbfa2t2	0.510714611	0.68766021	0.79150179	1.0657308
A_55_P2391	19	Detected	5.3	Not Detect	9	Not Detect	9.7	Not Detect	D430047D06Rik	0.510526316	0.47368421	1.83018868	1.6981132
A_55_P2165	257.2	Detected	34.6	Detected	432.9	Detected	131.3	Detected	Acnat2	0.510497667	1.68312597	3.79479769	12.511561
A_55_P2026	46996.2	Detected	31136.4	Detected	27025.3	Detected	23988.6	Detected	Igsf8	0.510437014	0.57505288	0.77043589	0.8679648
A_55_P2059	52.6	Detected	27.5	Detected	15	Not Detect	26.8	Not Detect	Soga1	0.509505703	0.2851711	0.97454545	0.5454545
A_52_P5101	286.9	Detected	257.4	Detected	291.7	Detected	146	Detected	Nudt15	0.508888114	1.01673057	0.56721057	1.1332556
A_52_P6717	95.7	Detected	56.8	Detected	70.3	Detected	48.7	Detected	Adamts10	0.508881923	0.73458725	0.85739437	1.2376761
A_51_P4816	3386.3	Detected	2238.4	Detected	2282.3	Detected	1723.2	Detected	Mbip	0.508873992	0.67398045	0.7698356	1.0196122

A_55_P2156	615.9	Detected	631.2	Detected	272.8	Detected	313.4	Detected	Cdk5r1	0.508848839	0.44292905	0.49651458	0.4321926
A_55_P2164	154.3	Detected	86.7	Detected	92.4	Detected	78.5	Detected	Gm8556	0.50874919	0.59883344	0.90542099	1.0657439
A_51_P2123	650.7	Detected	196.4	Detected	473	Detected	330.9	Detected	Cxadr	0.508529276	0.72690948	1.68482688	2.4083503
A_52_P1155	18.3	Detected	9.2	Not Detect	8.2	Not Detect	9.3	Not Detect	Spem1	0.508196721	0.44808743	1.01086957	0.8913043
A_55_P2423	18.7	Detected	15.7	Detected	4.1	Not Detect	9.5	Not Detect	B230369F24Rik	0.50802139	0.21925134	0.60509554	0.2611465
A_55_P1974	163	Detected	117.6	Detected	89.4	Detected	82.7	Detected	Tnfrsf23	0.507361963	0.54846626	0.70323129	0.7602041
A_55_P1973	27.8	Detected	14.9	Not Detect	19.6	Detected	14.1	Not Detect	Vmn2r55	0.507194245	0.70503597	0.94630872	1.3154362
A_55_P2408	2452.6	Detected	1035.4	Detected	1072	Detected	1243.2	Detected	BB166591	0.506890647	0.43708717	1.20069538	1.0353487
A_55_P2107	208.8	Detected	142.9	Detected	113.7	Detected	105.8	Detected	Ptch1	0.506704981	0.54454023	0.74037789	0.7956613
A_55_P2106	16.6	Detected	18.2	Detected	5.5	Not Detect	8.4	Not Detect	Pde8a	0.506024096	0.3313253	0.46153846	0.3021978
A_52_P6604	17	Detected	13.5	Not Detect	8	Not Detect	8.6	Not Detect	Spo11	0.505882353	0.47058824	0.63703704	0.5925926
A_51_P2560	5185.6	Detected	4170.9	Detected	5181.5	Detected	2623.1	Detected	Map2k6	0.505843104	0.99920935	0.62890503	1.2422978
A_55_P1963	36	Detected	29.6	Detected	21.1	Detected	18.2	Not Detect	Hcfc1	0.505555556	0.58611111	0.61486486	0.7128378
A_55_P2007	18	Detected	22	Detected	3.2	Not Detect	9.1	Not Detect	4933402N22Rik	0.505555556	0.17777778	0.41363636	0.1454545
A_51_P1443	1054.1	Detected	729.8	Detected	3181.2	Detected	532.9	Detected	Dtx4	0.505549758	3.01792999	0.73020005	4.3590025
A_55_P2064	27.1	Detected	26.2	Detected	11.1	Not Detect	13.7	Not Detect	Trim58	0.505535055	0.4095941	0.52290076	0.4236641
A_51_P5130	18.6	Detected	27.5	Detected	32.9	Detected	9.4	Not Detect	Rad9b	0.505376344	1.7688172	0.34181818	1.1963636
A_55_P2025	18.6	Detected	51.2	Detected	3.4	Not Detect	9.4	Not Detect	Ttc12	0.505376344	0.1827957	0.18359375	0.0664063
A_51_P1633	19	Detected	13.6	Not Detect	3.5	Not Detect	9.6	Not Detect	Ogdhl	0.505263158	0.18421053	0.70588235	0.2573529
A_55_P1972	19.2	Detected	15	Not Detect	13.1	Not Detect	9.7	Not Detect	Celf5	0.505208333	0.68229167	0.64666667	0.8733333
A_55_P1960	1897.4	Detected	1586	Detected	1367.5	Detected	958.2	Detected	Gm4470	0.505006851	0.72072309	0.60416141	0.862232
A_55_P1967	1670.7	Detected	1300.1	Detected	1404.8	Detected	843.7	Detected	Wipi2	0.504997905	0.84084515	0.64895008	1.0805323
A_51_P2474	8651.6	Detected	3319.2	Detected	4998	Detected	4368.9	Detected	Adck1	0.504981737	0.57769661	1.3162509	1.5057845
A_55_P2025	21.4	Detected	18.7	Not Detect	8.3	Not Detect	10.8	Not Detect	Plcb4	0.504672897	0.38785047	0.57754011	0.4438503
A_55_P2314	591.4	Detected	295.1	Detected	344.3	Detected	298.4	Detected	Secisbp2l	0.504565438	0.58217788	1.01118265	1.1667231
A_55_P2032	244.2	Detected	189.1	Detected	172.7	Detected	123.2	Detected	LOC101055917	0.504504505	0.70720721	0.65150714	0.9132734
A_66_P1372	22.4	Detected	24	Detected	9.6	Not Detect	11.3	Not Detect	A730045E13Rik	0.504464286	0.42857143	0.47083333	0.4
A_51_P3343	6320.6	Detected	6444	Detected	3275	Detected	3186.8	Detected	Tspan14	0.50419264	0.51814701	0.49453755	0.5082247
A_52_P2919	1122.2	Detected	717.6	Detected	280.9	Detected	565.4	Detected	Stau2	0.503831759	0.25031189	0.78790412	0.3914437
A_51_P3060	131.8	Detected	40.6	Detected	43.5	Detected	66.3	Detected	Dll1	0.503034901	0.33004552	1.63300493	1.0714286
A_55_P1999	13936.3	Detected	5746.4	Detected	7568.7	Detected	7008.4	Detected	Pkdcc	0.502888141	0.5430925	1.21961576	1.3171203
A_55_P1962	17.7	Detected	19	Detected	7.4	Not Detect	8.9	Not Detect	Dio3os	0.502824859	0.4180791	0.46842105	0.3894737
A_51_P5144	18.7	Detected	165.5	Detected	53.3	Detected	9.4	Not Detect	Slc2a5	0.502673797	2.85026738	0.05679758	0.3220544
A_52_P5089	19.1	Detected	3.4	Not Detect	3.4	Not Detect	9.6	Not Detect	Abca6	0.502617801	0.17801047	2.82352941	1
A_55_P2093	19.5	Detected	20.9	Detected	5.6	Not Detect	9.8	Not Detect	Chl1	0.502564103	0.28717949	0.46889952	0.2679426
A_52_P4734	20.5	Detected	5.1	Not Detect	10.9	Not Detect	10.3	Not Detect	Epb4.114a	0.502439024	0.53170732	2.01960784	2.1372549
A_52_P2273	12104.5	Detected	7645.6	Detected	8434.8	Detected	6080	Detected	Mllt1	0.502292536	0.69683176	0.79522863	1.1032228
A_65_P1988	23.7	Detected	42.6	Detected	26.7	Detected	11.9	Not Detect	Tmem92	0.502109705	1.12658228	0.27934272	0.6267606
A_55_P2107	5505.7	Detected	1507.1	Detected	1559.7	Detected	2763.3	Detected	Gpr137b	0.501898033	0.28328823	1.83352133	1.0349015
A_52_P6479	10457.4	Detected	4725.9	Detected	5562	Detected	5248.1	Detected	Gna12	0.501855146	0.53187217	1.11049747	1.1769187

A_55_P2115	90114.8	Detected	71242.5	Detected	15760.3	Detected	45200.5	Detected	Tuba1a	0.501587974	0.17489136	0.63445977	0.2212205
A_55_P2182	35.3	Detected	38.1	Detected	17.5	Detected	17.7	Not Detect	Neurog3	0.501416431	0.49575071	0.46456693	0.4593176
A_51_P4649	1379.7	Detected	399.1	Detected	311.1	Detected	690.8	Detected	Msrb2	0.500688555	0.2254838	1.73089451	0.7795039
A_55_P2169	74.9	Detected	33.4	Detected	42.4	Detected	37.5	Not Detect	Gm13152	0.500667557	0.56608812	1.12275449	1.2694611
A_55_P2002	272.5	Detected	127	Detected	55.7	Detected	136.4	Detected	Msx3	0.500550459	0.20440367	1.07401575	0.4385827
A_55_P2001	17.8	Detected	8.6	Not Detect	3.2	Not Detect	8.9	Not Detect	Tnfaip6	0.5	0.17977528	1.03488372	0.372093
A_55_P2129	38.8	Detected	20.9	Detected	32.4	Detected	19.4	Not Detect	LOC100861614	0.5	0.83505155	0.92822967	1.5502392
A_65_P0886	120.2	Detected	74.6	Detected	87.3	Detected	60.1	Detected	Zbtb37	0.5	0.72628952	0.80563003	1.1702413
A_66_P1192	20.4	Detected	13	Not Detect	3.7	Not Detect	10.2	Not Detect	Gm17757	0.5	0.18137255	0.78461538	0.2846154
A_51_P5145	22.2	Detected	16.5	Detected	11.9	Not Detect	11.1	Not Detect	Tbata	0.5	0.53603604	0.67272727	0.7212121
A_55_P2127	20.2	Detected	15.3	Not Detect	16.1	Not Detect	10.1	Not Detect	Olfra432	0.5	0.7970297	0.66013072	1.0522876
A_55_P2222	20.8	Detected	20.3	Detected	39.7	Detected	10.4	Not Detect	4930435H24Rik	0.5	1.90865385	0.51231527	1.955665
A_51_P2666	94.9	Detected	41.6	Detected	68.6	Detected	47.4	Not Detect	Peli3	0.49947313	0.72286617	1.13942308	1.6490385
A_51_P5094	1452.2	Detected	986.7	Detected	466.7	Detected	724.9	Detected	Tmlhe	0.499173668	0.32137447	0.73467113	0.4729908
A_51_P4922	1937.3	Detected	426.9	Detected	672.1	Detected	966.9	Detected	Aqp2	0.499096681	0.34692613	2.26493324	1.5743734
A_55_P2014	5100.1	Detected	3693.7	Detected	2311.7	Detected	2544.3	Detected	Gatsl2	0.498872571	0.45326562	0.68882151	0.6258494
A_55_P2414	3493.7	Detected	2820.2	Detected	2480	Detected	1742.5	Detected	Luc7l	0.498754902	0.70984916	0.61786398	0.8793703
A_51_P4112	42517.9	Detected	14488.3	Detected	38866.4	Detected	21173.5	Detected	Nfe2l2	0.497990258	0.91411852	1.46142059	2.682606
A_55_P1966	21.1	Detected	8.1	Not Detect	3.7	Not Detect	10.5	Not Detect	Cyp2r1	0.497630332	0.17535545	1.2962963	0.4567901
A_55_P2000	6781.5	Detected	5386.5	Detected	4982.5	Detected	3374.3	Detected	Cops2	0.497574283	0.73471946	0.62643646	0.9249977
A_51_P1931	19.3	Detected	15.4	Not Detect	14.8	Not Detect	9.6	Not Detect	Ms4a6c	0.497409326	0.76683938	0.62337662	0.961039
A_55_P2142	18.3	Detected	12.7	Not Detect	14.1	Not Detect	9.1	Not Detect	Zfp420	0.49726776	0.7704918	0.71653543	1.1102362
A_55_P2053	18.1	Detected	3.2	Not Detect	4.8	Not Detect	9	Not Detect	Bdkrb2	0.497237569	0.26519337	2.8125	1.5
A_51_P3183	200.6	Detected	178.9	Detected	154.9	Detected	99.7	Detected	Pgf	0.497008973	0.77218345	0.55729458	0.8658468
A_55_P2043	32.8	Detected	28.2	Detected	27.4	Detected	16.3	Not Detect	Ankmy1	0.49695122	0.83536585	0.57801418	0.9716312
A_55_P1992	27.8	Detected	17.4	Detected	20.4	Detected	13.8	Not Detect	Rergl	0.496402878	0.73381295	0.79310345	1.1724138
A_66_P1016	12656.4	Detected	16060.9	Detected	8947.7	Detected	6280	Detected	Lamb1	0.49619165	0.70697039	0.39101171	0.5571107
A_66_P1322	302.2	Detected	145.2	Detected	193.7	Detected	149.8	Detected	Gm4430	0.495698213	0.64096625	1.03168044	1.334022
A_55_P2130	69.4	Detected	32	Detected	31.7	Detected	34.4	Not Detect	Arl14ep	0.495677233	0.45677233	1.075	0.990625
A_55_P2041	14123.5	Detected	6239.5	Detected	4469.1	Detected	6998.8	Detected	Tle3	0.49554289	0.31643006	1.12169244	0.7162593
A_55_P2079	3194.3	Detected	1931.9	Detected	1929.6	Detected	1582.4	Detected	Spred1	0.4953824	0.60407601	0.81909002	0.9988095
A_55_P2153	333.6	Detected	263.7	Detected	136.5	Detected	165.2	Detected	Dtnb	0.495203837	0.40917266	0.62646947	0.5176337
A_52_P3086	707.4	Detected	77.7	Detected	403.1	Detected	350.3	Detected	Cpn1	0.495193667	0.56983319	4.50836551	5.1879022
A_51_P3370	13801.2	Detected	9588.3	Detected	11153.3	Detected	6834.2	Detected	Gins1	0.495188824	0.80813987	0.71276452	1.1632198
A_55_P2174	20.2	Detected	15.2	Not Detect	14	Not Detect	10	Not Detect	AY761185	0.495049505	0.69306931	0.65789474	0.9210526
A_66_P1224	49214.6	Detected	40039.6	Detected	30534.2	Detected	24354.3	Detected	Snhg6	0.494859249	0.62042971	0.60825533	0.7626
A_51_P4728	18.8	Detected	9.1	Not Detect	17.7	Detected	9.3	Not Detect	Masp1	0.494680851	0.94148936	1.02197802	1.9450549
A_51_P4591	18.4	Detected	8.6	Not Detect	14.9	Not Detect	9.1	Not Detect	Serpina9e	0.494565217	0.80978261	1.05813953	1.7325581
A_66_P1359	89.4	Detected	61.9	Detected	46.1	Detected	44.2	Not Detect	Fam221a	0.494407159	0.51565996	0.71405493	0.7447496
A_55_P2018	16.8	Detected	10.8	Not Detect	6.2	Not Detect	8.3	Not Detect	Sycp3	0.494047619	0.36904762	0.76851852	0.5740741

A_52_P3571	623.5	Detected	466.1	Detected	475.7	Detected	307.9	Detected	Cep97	0.49382518	0.76295108	0.66058786	1.0205964
A_55_P2095	218.8	Detected	102.6	Detected	260	Detected	108	Detected	Eil3	0.493601463	1.18829982	1.05263158	2.5341131
A_55_P2026	21.5	Detected	15.4	Not Detect	11.1	Not Detect	10.6	Not Detect	Fbxw20	0.493023256	0.51627907	0.68831169	0.7207792
A_52_P3587	20.5	Detected	5.5	Not Detect	6.4	Not Detect	10.1	Not Detect	Olf266	0.492682927	0.31219512	1.83636364	1.1636364
A_55_P2190	2905	Detected	788.1	Detected	1233.3	Detected	1431.1	Detected	Sim2	0.492633391	0.42454389	1.81588631	1.5649029
A_55_P2259	20.3	Detected	6.7	Not Detect	15.5	Not Detect	10	Not Detect	4930554P06Rik	0.492610837	0.7635468	1.49253731	2.3134328
A_55_P1998	3074.8	Detected	797.9	Detected	1153.3	Detected	1513.6	Detected	Entpd5	0.492259659	0.37508131	1.89697957	1.4454192
A_55_P2111	244.9	Detected	140.4	Detected	110.8	Detected	120.5	Detected	Gpsm1	0.492037566	0.45242956	0.85826211	0.7891738
A_55_P1998	217.5	Detected	143	Detected	129.3	Detected	107	Detected	Eif2ak4	0.491954023	0.59448276	0.74825175	0.9041958
A_51_P3892	18.3	Detected	20.2	Detected	15.1	Not Detect	9	Not Detect	Fam131b	0.491803279	0.82513661	0.44554455	0.7475248
A_55_P2278	828.1	Detected	736.2	Detected	657.8	Detected	407.2	Detected	A330009N23Rik	0.491728052	0.79434851	0.55311057	0.8935072
A_55_P2152	17.3	Detected	3	Not Detect	5.7	Not Detect	8.5	Not Detect	Lyz1l	0.49132948	0.32947977	2.83333333	1.9
A_55_P2180	977.8	Detected	726.1	Detected	829.2	Detected	479.8	Detected	Gls	0.490693393	0.84802618	0.66079052	1.1419915
A_51_P2830	19.6	Detected	18.8	Detected	8.8	Not Detect	9.6	Not Detect	Slc1a6	0.489795918	0.44897959	0.5106383	0.4680851
A_55_P2396	19.4	Detected	6.8	Not Detect	6.3	Not Detect	9.5	Not Detect	4930473H19Rik	0.489690722	0.32474227	1.39705882	0.9264706
A_52_P2499	1895	Detected	989.3	Detected	1483.3	Detected	927.9	Detected	Zscan29	0.489656992	0.78274406	0.93793591	1.499343
A_55_P2162	991.6	Detected	529.9	Detected	914.6	Detected	485.5	Detected	Pdp1	0.489612747	0.92234772	0.91621061	1.725986
A_66_P1138	18.4	Detected	15.8	Not Detect	5.5	Not Detect	9	Not Detect	Cdh3	0.489130435	0.29891304	0.56962025	0.3481013
A_51_P2633	1886.9	Detected	738.7	Detected	1171.9	Detected	922	Detected	Rnf24	0.488632148	0.6210716	1.24813862	1.5864356
A_52_P5367	55.5	Detected	11	Not Detect	20.3	Detected	27.1	Not Detect	Hpgds	0.488288288	0.36576577	2.46363636	1.8454545
A_55_P2144	20.5	Detected	19.7	Detected	12.5	Not Detect	10	Not Detect	Usp17lc	0.487804878	0.6097561	0.50761421	0.6345178
A_55_P2103	68.5	Detected	42	Detected	37.4	Detected	33.4	Not Detect	Zfp366	0.487591241	0.5459854	0.7952381	0.8904762
A_55_P2000	19.7	Detected	25	Detected	15.7	Not Detect	9.6	Not Detect	Lrrc30	0.487309645	0.79695431	0.384	0.628
A_66_P1271	19.5	Detected	13.9	Not Detect	4.9	Not Detect	9.5	Not Detect	Nrxn3	0.487179487	0.25128205	0.68345324	0.352518
A_55_P2078	15570.6	Detected	13189.5	Detected	9856.2	Detected	7583.5	Detected	Etv4	0.487039677	0.63300066	0.57496493	0.7472762
A_51_P2898	234.1	Detected	188.2	Detected	134.1	Detected	114	Detected	Ccdc138	0.48697138	0.57283212	0.60573858	0.7125399
A_55_P2155	38	Detected	117.9	Detected	5.1	Not Detect	18.5	Not Detect	Spink13	0.486842105	0.13421053	0.15691264	0.043257
A_55_P2039	601.5	Detected	384.5	Detected	258.4	Detected	292.8	Detected	Pak6	0.486783042	0.42959268	0.76150845	0.6720416
A_55_P2125	175.3	Detected	139.4	Detected	98.7	Detected	85.3	Detected	Camkk2	0.48659441	0.5630348	0.61190818	0.7080344
A_55_P2092	107.9	Detected	86	Detected	62.1	Detected	52.5	Detected	Serpina9	0.486561631	0.5755329	0.61046512	0.722093
A_51_P2391	36.6	Detected	29.7	Detected	25.5	Detected	17.8	Not Detect	Adam21	0.486338798	0.69672131	0.5993266	0.8585859
A_52_P6808	1612.3	Detected	659.3	Detected	491.3	Detected	784	Detected	Ctxn1	0.486261862	0.30471997	1.18914	0.7451843
A_55_P2175	18.1	Detected	3.1	Not Detect	3.2	Not Detect	8.8	Not Detect	Gm11536	0.486187845	0.17679558	2.83870968	1.0322581
A_52_P3220	18.1	Detected	7.2	Not Detect	3.2	Not Detect	8.8	Not Detect	Patl2	0.486187845	0.17679558	1.22222222	0.4444444
A_55_P1988	8818.8	Detected	4441.5	Detected	8972.1	Detected	4287.1	Detected	Eml4	0.4861319	1.01738332	0.96523697	2.0200608
A_55_P1987	39.3	Detected	65	Detected	26.4	Detected	19.1	Not Detect	Olf1383	0.486005089	0.67175573	0.29384615	0.4061538
A_51_P3589	85.2	Detected	50.9	Detected	57.7	Detected	41.4	Not Detect	Zfx	0.485915493	0.67723005	0.81335953	1.1335953
A_55_P2046	31.7	Detected	44.4	Detected	21.6	Detected	15.4	Not Detect	Kremen1	0.485804416	0.68138801	0.34684685	0.4864865
A_55_P2019	71.5	Detected	77	Detected	57.9	Detected	34.7	Not Detect	Gm10375	0.485314685	0.80979021	0.45064935	0.7519481
A_55_P1973	27.2	Detected	28	Detected	30.1	Detected	13.2	Not Detect	Gm2238	0.485294118	1.10661765	0.47142857	1.075

A_51_P3157	22022.5	Detected	14225.4	Detected	14403.4	Detected	10681.1	Detected	Tubb4a	0.485008514	0.6540311	0.75084708	1.0125128
A_55_P2024	19.8	Detected	16.1	Not Detect	9.4	Not Detect	9.6	Not Detect	Gm9973	0.484848485	0.47474747	0.59627329	0.5838509
A_55_P2046	38.4	Detected	27.2	Detected	33.5	Detected	18.6	Not Detect	Tmem44	0.484375	0.87239583	0.68382353	1.2316176
A_52_P4106	33156.6	Detected	80049.6	Detected	40064.3	Detected	16058.9	Detected	Krt7	0.484334944	1.2083356	0.20061187	0.5004934
A_55_P2089	5398.3	Detected	3156.9	Detected	2877.4	Detected	2613.5	Detected	Ssbp2	0.484133894	0.53301965	0.82786911	0.9114638
A_55_P2326	18.2	Detected	9.7	Not Detect	9.8	Not Detect	8.8	Not Detect	BC026513	0.483516484	0.53846154	0.90721649	1.0103093
A_52_P5545	30.2	Detected	37.9	Detected	10.4	Not Detect	14.6	Not Detect	Tnfrsf26	0.483443709	0.34437086	0.38522427	0.2744063
A_55_P2001	21.1	Detected	68.3	Detected	20.2	Detected	10.2	Not Detect	Gm5600	0.483412322	0.95734597	0.14934114	0.295754
A_55_P2093	9523.4	Detected	4768.5	Detected	6537.9	Detected	4598.7	Detected	Maged2	0.482884264	0.68650902	0.96439132	1.3710601
A_52_P6970	12299.3	Detected	7297.8	Detected	10481.4	Detected	5938.3	Detected	Ergic1	0.482816095	0.85219484	0.81371098	1.4362411
A_55_P2414	26.1	Detected	34.5	Detected	35.1	Detected	12.6	Not Detect	4732463B04Rik	0.482758621	1.34482759	0.36521739	1.0173913
A_51_P1686	530.7	Detected	380.4	Detected	88.3	Detected	256	Detected	Mast4	0.48238176	0.16638402	0.67297581	0.2321241
A_55_P2075	39.2	Detected	12.6	Not Detect	16.5	Detected	18.9	Not Detect	Pax2	0.482142857	0.42091837	1.5	1.3095238
A_55_P2185	2100.2	Detected	1821.6	Detected	1721.7	Detected	1012.2	Detected	Fermt2	0.4819541	0.81977907	0.55566535	0.9451581
A_51_P3073	365	Detected	145.6	Detected	320.4	Detected	175.8	Detected	Rxra	0.481643836	0.87780822	1.20741758	2.2005495
A_51_P1053	24.5	Detected	9.9	Not Detect	13.3	Not Detect	11.8	Not Detect	2010005H15Rik	0.481632653	0.54285714	1.19191919	1.3434343
A_65_P0888	464.3	Detected	362.8	Detected	478.5	Detected	223.5	Detected	Pabpc1l	0.481369804	1.03058367	0.6160419	1.3189085
A_51_P5072	155.2	Detected	158.7	Detected	77.6	Detected	74.7	Detected	Fosl2	0.481314433	0.5	0.47069943	0.4889729
A_55_P2170	21.4	Detected	15.8	Not Detect	29.2	Detected	10.3	Not Detect	A230103O09Rik	0.481308411	1.36448598	0.65189873	1.8481013
A_55_P2182	90.6	Detected	783.7	Detected	25.8	Detected	43.6	Not Detect	Tnfsf15	0.481236203	0.28476821	0.05563353	0.0329208
A_55_P1964	107.9	Detected	170.8	Detected	72.9	Detected	51.9	Detected	Megf10	0.481000927	0.67562558	0.30386417	0.426815
A_55_P2039	1603.3	Detected	1308.3	Detected	1013.3	Detected	771.1	Detected	Itgav	0.48094555	0.63200898	0.58939081	0.7745165
A_55_P1966	7198.8	Detected	3500.4	Detected	4327.9	Detected	3460.8	Detected	Limk1	0.480746791	0.60119742	0.98868701	1.2364016
A_55_P2117	1497.9	Detected	1298.6	Detected	1285.2	Detected	719.9	Detected	Ppih	0.480606182	0.8580012	0.55436624	0.9896812
A_55_P1988	5753.5	Detected	2870.6	Detected	1799.3	Detected	2762.1	Detected	Sestd1	0.480072999	0.31273138	0.96220302	0.6268028
A_52_P6507	695	Detected	351.4	Detected	543.6	Detected	333.6	Detected	Zfp820	0.48	0.78215827	0.94934548	1.546955
A_55_P2134	22.3	Detected	3.8	Not Detect	3.8	Not Detect	10.7	Not Detect	Ms4a13	0.479820628	0.17040359	2.81578947	1
A_66_P1057	28.4	Detected	31.9	Detected	32.5	Detected	13.6	Not Detect	Gm10548	0.478873239	1.1443662	0.42633229	1.0188088
A_51_P1561	21.3	Detected	28.6	Detected	9.5	Not Detect	10.2	Not Detect	Dbx1	0.478873239	0.44600939	0.35664336	0.3321678
A_52_P5279	98	Detected	72.4	Detected	67.4	Detected	46.9	Not Detect	Slc16a10	0.478571429	0.6877551	0.64779006	0.9309392
A_55_P2095	137.5	Detected	83.1	Detected	87.4	Detected	65.8	Detected	Spata51l	0.478545455	0.63563636	0.79181709	1.0517449
A_55_P2152	92	Detected	32.6	Detected	294.7	Detected	44	Not Detect	Ihh	0.47826087	3.20326087	1.34969325	9.0398773
A_52_P6503	20.5	Detected	75.6	Detected	3.5	Not Detect	9.8	Not Detect	Ccnjl	0.47804878	0.17073171	0.12962963	0.0462963
A_55_P2180	18.2	Detected	25.3	Detected	7	Not Detect	8.7	Not Detect	18100200O5Rik	0.478021978	0.38461538	0.34387352	0.2766798
A_55_P1992	423.9	Detected	219.4	Detected	150.6	Detected	202.3	Detected	Epb4.1l1	0.477235197	0.35527247	0.92206016	0.6864175
A_66_P1147	21.8	Detected	34.6	Detected	3.7	Not Detect	10.4	Not Detect	Adamts6	0.47706422	0.16972477	0.30057803	0.1069364
A_55_P1970	136.9	Detected	80.6	Detected	56	Detected	65.3	Detected	Fam221a	0.476990504	0.40905771	0.8101737	0.6947891
A_55_P2014	145.3	Detected	822.2	Detected	73.5	Detected	69.3	Detected	Sema3a	0.476944253	0.50584997	0.08428606	0.0893943
A_55_P2098	1343	Detected	673.9	Detected	326.4	Detected	639.9	Detected	Tpbg	0.476470588	0.24303797	0.94954741	0.4843449
A_55_P2078	201.5	Detected	101.1	Detected	147.8	Detected	96	Detected	C4b	0.476426799	0.73349876	0.9495549	1.4619189

A_55_P2019	133.5	Detected	161.8	Detected	83	Detected	63.6	Detected	Zscan4c	0.476404494	0.62172285	0.39307787	0.512979
A_51_P2825	25.2	Detected	39.5	Detected	14.8	Not Detect	12	Not Detect	C3ar1	0.476190476	0.58730159	0.30379747	0.3746835
A_55_P2031	481.3	Detected	322.7	Detected	364.4	Detected	229.1	Detected	S100bbp	0.476002493	0.75711614	0.70994732	1.1292222
A_55_P2064	20.8	Detected	16.7	Not Detect	11.7	Not Detect	9.9	Not Detect	Gm4098	0.475961538	0.5625	0.59281437	0.7005988
A_55_P1968	20.6	Detected	4.4	Not Detect	3.6	Not Detect	9.8	Not Detect	Pla2g2c	0.475728155	0.17475728	2.22727273	0.8181818
A_55_P2117	30.9	Detected	23.3	Detected	24.7	Detected	14.7	Not Detect	Pak7	0.475728155	0.79935275	0.63090129	1.0600858
A_55_P2197	28.6	Detected	20.2	Detected	14	Not Detect	13.6	Not Detect	D4Ertd58e	0.475524476	0.48951049	0.67326733	0.6930693
A_55_P2073	25208.8	Detected	17021.3	Detected	25082.8	Detected	11987.2	Detected	Bin1	0.475516486	0.99500175	0.70424703	1.4736125
A_51_P4977	20.4	Detected	6.3	Not Detect	3.5	Not Detect	9.7	Not Detect	Wdr95	0.475490196	0.17156863	1.53968254	0.5555556
A_55_P1979	1417.1	Detected	836.5	Detected	1823.3	Detected	673.7	Detected	Nuak2	0.475407522	1.28664173	0.80537956	2.1796772
A_55_P2045	77.2	Detected	36.5	Detected	38.1	Detected	36.7	Not Detect	4921531P14Rik	0.475388601	0.49352332	1.00547945	1.0438356
A_51_P2788	454	Detected	2002.3	Detected	131	Detected	215.8	Detected	H2-DMb1	0.475330396	0.28854626	0.10777606	0.0654248
A_52_P4723	339.2	Detected	273.4	Detected	211.6	Detected	161.2	Detected	Plxnd1	0.475235849	0.62382075	0.58961229	0.7739576
A_51_P3592	2310.4	Detected	1309.9	Detected	1872.7	Detected	1097.2	Detected	Alcam	0.474896122	0.81055229	0.83762119	1.4296511
A_51_P3868	80.9	Detected	52.2	Detected	6.8	Not Detect	38.4	Not Detect	Gm5577	0.474660074	0.08405439	0.73563218	0.1302682
A_55_P2041	83.9	Detected	51.2	Detected	46	Detected	39.8	Not Detect	Gm3970	0.474374255	0.54827175	0.77734375	0.8984375
A_66_P1125	559.6	Detected	162.5	Detected	922.7	Detected	265.4	Detected	Shf	0.474267334	1.64885633	1.63323077	5.6781538
A_51_P2097	3949.9	Detected	1114.8	Detected	2141	Detected	1872.9	Detected	Atoh8	0.474163903	0.54203904	1.68003229	1.9205239
A_55_P2250	23.2	Detected	19.4	Detected	9.8	Not Detect	11	Not Detect	Pcdhgc5	0.474137931	0.42241379	0.56701031	0.5051546
A_55_P2131	438.7	Detected	198.9	Detected	226.7	Detected	208	Detected	9030624G23Rik	0.474128106	0.51675405	1.04575163	1.1397687
A_51_P2645	2216.7	Detected	1339.2	Detected	1212.9	Detected	1050.3	Detected	Fam69b	0.473812424	0.5471647	0.78427419	0.90569
A_55_P2088	311.8	Detected	334.4	Detected	791	Detected	147.7	Detected	Tnnt1	0.47370109	2.53688262	0.4416866	2.3654306
A_55_P2063	51.3	Detected	42.6	Detected	23.3	Detected	24.3	Not Detect	Phc2	0.473684211	0.45419103	0.57042254	0.5469484
A_55_P1960	36.1	Detected	36.8	Detected	39.6	Detected	17.1	Not Detect	Satb2	0.473684211	1.09695291	0.46467391	1.076087
A_51_P2711	20.9	Detected	41.6	Detected	10.3	Not Detect	9.9	Not Detect	Vmn1r40	0.473684211	0.49282297	0.23798077	0.2475962
A_55_P2007	347.3	Detected	185	Detected	311.8	Detected	164.5	Detected	Nanog	0.473653902	0.8977829	0.88918919	1.6854054
A_51_P2265	45.2	Detected	34.9	Detected	41.8	Detected	21.4	Not Detect	Rpusd2	0.473451327	0.92477876	0.61318052	1.1977077
A_51_P1127	841.8	Detected	417.3	Detected	513	Detected	398.4	Detected	Slc5a3	0.473271561	0.60940841	0.95470884	1.2293314
A_51_P2322	22.4	Detected	26.4	Detected	121.2	Detected	10.6	Not Detect	Pla2g2d	0.473214286	5.41071429	0.40151515	4.5909091
A_65_P0372	13500.2	Detected	4412.9	Detected	6039.8	Detected	6386.2	Detected	St3gal1	0.473044844	0.44738596	1.44716626	1.3686691
A_55_P2187	17081.1	Detected	4322.8	Detected	4871	Detected	8067.2	Detected	Gpr137b-ps	0.472288084	0.28516899	1.86619783	1.126816
A_55_P2015	26.9	Detected	20.7	Detected	20.1	Detected	12.7	Not Detect	Slc5a9	0.472118959	0.7472119	0.61352657	0.9710145
A_55_P2074	1037.3	Detected	650.7	Detected	553.3	Detected	489.5	Detected	Ptpn14	0.471898197	0.53340403	0.75226679	0.850315
A_55_P1956	19.5	Detected	10.9	Not Detect	9.5	Not Detect	9.2	Not Detect	Defb46	0.471794872	0.48717949	0.8440367	0.8715596
A_55_P2054	296.3	Detected	157	Detected	163	Detected	139.7	Detected	Ttpal	0.471481606	0.55011812	0.88980892	1.0382166
A_51_P3513	17580.6	Detected	11674.2	Detected	11916.3	Detected	8287.6	Detected	Tyms-ps	0.471405982	0.67780963	0.70990732	1.020738
A_51_P4522	250.8	Detected	102	Detected	74.2	Detected	118.2	Detected	Vash2	0.471291866	0.29585327	1.15882353	0.727451
A_52_P8531	20.8	Detected	22.9	Detected	3.5	Not Detect	9.8	Not Detect	Angptl2	0.471153846	0.16826923	0.4279476	0.1528384
A_55_P2006	1170.8	Detected	682.4	Detected	272	Detected	551.3	Detected	Ptprg	0.470874616	0.23231978	0.80788394	0.3985932
A_55_P1998	20.6	Detected	22.7	Detected	53.7	Detected	9.7	Not Detect	Birc7	0.470873786	2.60679612	0.42731278	2.3656388

A_55_P2030	2503.1	Detected	925.1	Detected	1420.5	Detected	1178.4	Detected	Dusp23	0.470776237	0.5674963	1.27380824	1.5355097
A_55_P2115	37.6	Detected	30.8	Detected	124.4	Detected	17.7	Not Detect	Gm5622	0.470744681	3.30851064	0.57467532	4.038961
A_55_P1994	211.5	Detected	139.8	Detected	104	Detected	99.5	Detected	Zbp1	0.470449173	0.49172577	0.71173104	0.7439199
A_51_P5207	1068.7	Detected	230.8	Detected	58.2	Detected	502.4	Detected	Ptger3	0.470103865	0.05445869	2.17677643	0.2521664
A_51_P1154	20	Detected	10.9	Not Detect	4.4	Not Detect	9.4	Not Detect	Speer6-ps1	0.47	0.22	0.86238532	0.4036697
A_55_P2082	89.6	Detected	27	Detected	33	Detected	42.1	Not Detect	Rtkn2	0.469866071	0.36830357	1.55925926	1.2222222
A_52_P5158	91.1	Detected	69	Detected	57.1	Detected	42.8	Not Detect	Rgmb	0.469813392	0.62678375	0.62028986	0.8275362
A_55_P2224	19.8	Detected	6.1	Not Detect	8	Not Detect	9.3	Not Detect	6330412A17Rik	0.46969697	0.4040404	1.52459016	1.3114754
A_55_P1990	134843.1	Detected	25540.2	Detected	37949.6	Detected	63316.3	Detected	Aqp5	0.469555357	0.28143524	2.47908395	1.4858772
A_55_P2058	21.3	Detected	19.7	Detected	22.1	Detected	10	Not Detect	Cd46	0.469483568	1.03755869	0.50761421	1.1218274
A_55_P2034	108.5	Detected	51.3	Detected	41.2	Detected	50.9	Detected	Zkscan7	0.469124424	0.3797235	0.99220273	0.8031189
A_55_P2091	2694.6	Detected	1452.1	Detected	1219.3	Detected	1263.4	Detected	Hipk2	0.468863653	0.45249759	0.87005027	0.8396805
A_55_P2045	25319.2	Detected	11983.7	Detected	17307.8	Detected	11864	Detected	Nsmf	0.468577206	0.683584	0.99001143	1.4442785
A_55_P2009	169.3	Detected	129.7	Detected	110	Detected	79.3	Detected	S100bbp	0.468399291	0.6497342	0.61141095	0.848111
A_55_P2368	22	Detected	41.2	Detected	25.6	Detected	10.3	Not Detect	Gm10741	0.468181818	1.16363636	0.25	0.6213592
A_55_P2091	32.7	Detected	20.7	Detected	16.8	Detected	15.3	Not Detect	Dio3	0.467889908	0.51376147	0.73913043	0.8115942
A_51_P4192	435	Detected	554	Detected	138	Detected	203.4	Detected	Batf3	0.467586207	0.31724138	0.36714801	0.2490975
A_51_P4187	23.1	Detected	5.3	Not Detect	9.4	Not Detect	10.8	Not Detect	Vmn1r38	0.467532468	0.40692641	2.03773585	1.7735849
A_55_P2052	23.1	Detected	15.8	Not Detect	3.7	Not Detect	10.8	Not Detect	Synm	0.467532468	0.16017316	0.6835443	0.2341772
A_51_P3936	471.1	Detected	180.4	Detected	40.4	Detected	220.2	Detected	Fam171b	0.467416684	0.08575674	1.22062084	0.2239468
A_55_P2124	168.2	Detected	245.3	Detected	83.8	Detected	78.6	Detected	Col16a1	0.467300832	0.49821641	0.32042397	0.3416225
A_55_P1965	24.4	Detected	21.3	Detected	11.5	Not Detect	11.4	Not Detect	Fbx15	0.467213115	0.47131148	0.53521127	0.5399061
A_55_P2018	9322.3	Detected	1262.6	Detected	17434.7	Detected	4352.1	Detected	Spns2	0.46684831	1.87021443	3.4469349	13.80857
A_51_P4944	300.1	Detected	209.6	Detected	172.4	Detected	140.1	Detected	Snx30	0.466844385	0.57447517	0.66841603	0.8225191
A_55_P1981	42.5	Detected	27.6	Detected	31	Detected	19.8	Not Detect	LOC101055946	0.465882353	0.72941176	0.7173913	1.1231884
A_55_P1982	956.5	Detected	271.3	Detected	672.4	Detected	445.6	Detected	C1ca1	0.465865133	0.70297961	1.64246222	2.4784372
A_51_P4871	47.1	Detected	56.5	Detected	25	Detected	21.9	Not Detect	Acsm3	0.464968153	0.53078556	0.38761062	0.4424779
A_55_P2344	42.8	Detected	41.3	Detected	38.7	Detected	19.9	Not Detect	C230076A16Rik	0.464953271	0.90420561	0.48184019	0.937046
A_55_P2004	171.9	Detected	421.2	Detected	89	Detected	79.9	Detected	Ldlrad4	0.464805119	0.51774287	0.18969611	0.211301
A_55_P2152	2693.6	Detected	1200.8	Detected	276.4	Detected	1251.9	Detected	Lhfpl2	0.46476834	0.1026136	1.04255496	0.2301799
A_55_P2380	57.9	Detected	57.7	Detected	20.7	Detected	26.9	Not Detect	Gm2115	0.464594128	0.35751295	0.46620451	0.3587522
A_52_P5043	3909	Detected	2681.3	Detected	2416.9	Detected	1816	Detected	Selrc1	0.464568943	0.61829112	0.67728341	0.9013911
A_55_P1970	515.1	Detected	240.8	Detected	120.2	Detected	239.2	Detected	Sh3kbp1	0.464375849	0.23335275	0.99335548	0.4991694
A_52_P4177	267.5	Detected	112	Detected	177.1	Detected	124.2	Detected	Tmem164	0.464299065	0.66205607	1.10892857	1.58125
A_55_P2085	43040.5	Detected	61420.6	Detected	15897.1	Detected	19977.5	Detected	Spp1	0.464155853	0.36935212	0.32525732	0.2588236
A_52_P6385	9683.6	Detected	2749.2	Detected	4529.1	Detected	4494.2	Detected	S100a7a	0.464104259	0.46770829	1.6347301	1.6474247
A_66_P1194	1484.8	Detected	662.4	Detected	796.9	Detected	688.9	Detected	Rb1cc1	0.463968211	0.53670528	1.04000604	1.2030495
A_55_P1960	462	Detected	250.7	Detected	405.8	Detected	214.2	Detected	Nrros	0.463636364	0.87835498	0.85440766	1.6186677
A_55_P2144	25.9	Detected	16.8	Detected	21.4	Detected	12	Not Detect	Gm128	0.463320463	0.82625483	0.71428571	1.2738095
A_55_P2165	19	Detected	4.5	Not Detect	3.1	Not Detect	8.8	Not Detect	Mettl11b	0.463157895	0.16315789	1.95555556	0.6888889

A_52_P3130	36.1 Detected	30.7 Detected	30.7 Detected	16.7 Not Detect	8030462N17Rik	0.462603878	0.85041551	0.54397394	1
A_52_P2075	114.6 Detected	85.2 Detected	80.9 Detected	53 Not Detect	Peak1	0.462478185	0.70593368	0.62206573	0.9495305
A_55_P1999	25.1 Detected	17.5 Not Detect	16.1 Not Detect	11.6 Not Detect	LOC100040974	0.462151394	0.64143426	0.66285714	0.92
A_66_P1320	433 Detected	322.8 Detected	241.6 Detected	200.1 Detected	Iqcb1	0.462124711	0.55796767	0.61988848	0.7484511
A_55_P2039	92.7 Detected	84 Detected	107 Detected	42.8 Not Detect	Zfp605	0.461704423	1.15426106	0.50952381	1.2738095
A_51_P4971	13659.9 Detected	5806.5 Detected	8840 Detected	6305.3 Detected	Igf2bp1	0.461591959	0.64714969	1.08590373	1.5224318
A_51_P1434	22.1 Detected	7.2 Not Detect	3.6 Not Detect	10.2 Not Detect	Olf1010	0.461538462	0.16289593	1.41666667	0.5
A_55_P2184	22.1 Detected	15.4 Not Detect	7.9 Not Detect	10.2 Not Detect	Esco1	0.461538462	0.35746606	0.66233766	0.512987
A_52_P6583	57 Detected	81.9 Detected	54.1 Detected	26.3 Not Detect	Mfsd7a	0.461403509	0.94912281	0.32112332	0.6605617
A_51_P3172	28.2 Detected	25.5 Detected	17 Not Detect	13 Not Detect	Defb11	0.460992908	0.60283688	0.50980392	0.6666667
A_55_P2107	32486.1 Detected	10392.1 Detected	10145.8 Detected	14970.6 Detected	Gpr137b-ps	0.46083094	0.31231203	1.44057505	0.9762993
A_55_P2009	87.3 Detected	135.9 Detected	10.9 Not Detect	40.2 Not Detect	Ccbe1	0.4604811	0.12485682	0.29580574	0.080206
A_51_P2936	9942.8 Detected	3121.4 Detected	4947.3 Detected	4576.9 Detected	Rab32	0.460323048	0.49757614	1.46629717	1.5849619
A_55_P2016	47792.8 Detected	29411.5 Detected	29915.9 Detected	21989.2 Detected	Zyx	0.460094408	0.62594993	0.74763953	1.0171498
A_55_P2086	2313.6 Detected	1618.1 Detected	860.4 Detected	1063.5 Detected	Cyp39a1	0.459673237	0.37188797	0.65725233	0.5317348
A_55_P2181	19.8 Detected	9.4 Not Detect	9.2 Not Detect	9.1 Not Detect	Gm8369	0.45959596	0.46464646	0.96808511	0.9787234
A_55_P2021	7413 Detected	3560.2 Detected	3059.7 Detected	3405.1 Detected	Celf4	0.459341697	0.41274788	0.95643503	0.859418
A_55_P1965	3586.3 Detected	2234.1 Detected	2604.2 Detected	1646.4 Detected	Eme2	0.459080389	0.7261523	0.73694105	1.1656595
A_55_P2138	19.4 Detected	18.7 Detected	15.6 Detected	8.9 Not Detect	Lrnf1	0.458762887	0.80412371	0.47593583	0.8342246
A_55_P1958	50.8 Detected	25.2 Detected	17.6 Not Detect	23.3 Not Detect	Ms4a5	0.458661417	0.34645669	0.92460317	0.6984127
A_55_P2024	280.2 Detected	87.8 Detected	179.2 Detected	128.5 Detected	Tbkbp1	0.458600999	0.63954318	1.46355353	2.0410023
A_55_P2079	600.1 Detected	278.1 Detected	131.6 Detected	275.2 Detected	Zfp362	0.458590235	0.21929678	0.9895721	0.4732111
A_51_P2937	15947.5 Detected	9915 Detected	12350.7 Detected	7311.9 Detected	Cul7	0.458498197	0.77445995	0.7374584	1.2456581
A_55_P2079	2247.8 Detected	1289.7 Detected	1296.5 Detected	1030.5 Detected	Spred1	0.458448261	0.57678619	0.79902303	1.0052725
A_55_P2037	42.1 Detected	6.4 Not Detect	8.4 Not Detect	19.3 Not Detect	2610305D13Rik	0.458432304	0.19952494	3.015625	1.3125
A_65_P0360	955.4 Detected	638.9 Detected	828.6 Detected	437.9 Detected	Rpap2	0.458342056	0.86728072	0.68539678	1.2969166
A_55_P2009	22.7 Detected	21.5 Detected	16.8 Not Detect	10.4 Not Detect	Cd34	0.45814978	0.74008811	0.48372093	0.7813953
A_52_P2069	872.9 Detected	515.7 Detected	686.6 Detected	399.9 Detected	Parp16	0.458128079	0.78657349	0.77545084	1.3313942
A_66_P1364	280.3 Detected	199.2 Detected	221.8 Detected	128.4 Detected	Gm9456	0.458080628	0.79129504	0.64457831	1.1134538
A_55_P2114	23.8 Detected	34.3 Detected	20.7 Detected	10.9 Not Detect	Gm5105	0.457983193	0.8697479	0.31778426	0.6034985
A_55_P2054	211.4 Detected	36.7 Detected	4.4 Not Detect	96.8 Detected	Chst2	0.457899716	0.02081362	2.63760218	0.119891
A_55_P2139	1456.8 Detected	1269 Detected	1054.8 Detected	666.5 Detected	Cald1	0.45750961	0.72405272	0.52521671	0.8312057
A_55_P1957	19.7 Detected	18 Detected	15.3 Not Detect	9 Not Detect	Sohlh1	0.456852792	0.77664975	0.5	0.85
A_55_P1977	76.4 Detected	46.5 Detected	67.6 Detected	34.9 Not Detect	Dab2ip	0.456806283	0.88481675	0.75053763	1.4537634
A_51_P4831	273311.1 Detected	168693.6 Detected	166557.1 Detected	124801.6 Detected	Hmga1	0.456628362	0.60940481	0.7398123	0.987335
A_55_P2181	18.4 Detected	9.9 Not Detect	3 Not Detect	8.4 Not Detect	6030419C18Rik	0.456521739	0.16304348	0.84848485	0.3030303
A_55_P2030	119 Detected	63.7 Detected	116.7 Detected	54.3 Detected	Fnbp1	0.456302521	0.98067227	0.85243328	1.8320251
A_55_P2139	11916.3 Detected	7694.5 Detected	10196.6 Detected	5437.1 Detected	Jade2	0.456274179	0.85568507	0.70662161	1.3251803
A_55_P2126	26.3 Detected	227.7 Detected	19.5 Detected	12 Not Detect	Wnt10b	0.456273764	0.74144487	0.05270092	0.085639
A_51_P5136	54.8 Detected	36.2 Detected	20.8 Detected	25 Not Detect	Slc4a8	0.45620438	0.37956204	0.69060773	0.5745856

A_55_P2116	120.4 Detected	70.4 Detected	26 Detected	54.9 Detected	Ptprg	0.455980066	0.21594684	0.77982955	0.3693182
A_55_P2028	19.3 Detected	15.8 Detected	13.9 Not Detect	8.8 Not Detect	Gm10933	0.455958549	0.72020725	0.55696203	0.8797468
A_55_P1955	149.6 Detected	177.4 Detected	95.2 Detected	68.2 Detected	Adamts4	0.455882353	0.63636364	0.38444194	0.5366404
A_55_P2156	39.5 Detected	25.9 Detected	23.4 Detected	18 Not Detect	Ifnk	0.455696203	0.59240506	0.69498069	0.9034749
A_55_P1990	217.1 Detected	128.8 Detected	117.2 Detected	98.9 Detected	Car5b	0.455550438	0.53984339	0.76785714	0.9099379
A_51_P3407	19.1 Detected	18.5 Detected	13.5 Not Detect	8.7 Not Detect	Hspa1l	0.455497382	0.70680628	0.47027027	0.7297297
A_51_P1809	18747 Detected	10027 Detected	5477.9 Detected	8535.7 Detected	Prkcdbp	0.455310183	0.29220142	0.85127157	0.5463149
A_55_P1991	202.1 Detected	230.5 Detected	30.8 Detected	92 Detected	AK129341	0.455220188	0.1523998	0.39913232	0.1336226
A_55_P2036	97.6 Detected	82.2 Detected	96.1 Detected	44.4 Not Detect	Stk36	0.454918033	0.98463115	0.54014599	1.1690998
A_55_P1998	10710.4 Detected	5528.9 Detected	6738.9 Detected	4855.1 Detected	Txnrd2	0.453307066	0.62919219	0.87813127	1.21885
A_55_P2038	5258.6 Detected	4719.2 Detected	2996.8 Detected	2383.5 Detected	Fblim1	0.453257521	0.56988552	0.50506442	0.6350229
A_55_P2090	9510.2 Detected	5957.3 Detected	5606.5 Detected	4310.1 Detected	Tpst2	0.453208134	0.58952493	0.7234989	0.9411143
A_55_P2318	38.4 Detected	28.2 Detected	22.7 Detected	17.4 Not Detect	1200007C13Rik	0.453125	0.59114583	0.61702128	0.8049645
A_55_P2006	21.2 Detected	5 Not Detect	10.8 Not Detect	9.6 Not Detect	Gbgt1	0.452830189	0.50943396	1.92	2.16
A_52_P4624	21.2 Detected	1091.8 Detected	3.5 Not Detect	9.6 Not Detect	C77370	0.452830189	0.16509434	0.00879282	0.0032057
A_55_P2074	11011.4 Detected	6487.6 Detected	5048.9 Detected	4982.2 Detected	Mapk8ip1	0.452458361	0.45851572	0.76795733	0.7782385
A_51_P2282	9215 Detected	6953.8 Detected	6673.4 Detected	4167.4 Detected	Mpzl1	0.452240912	0.72418882	0.59929823	0.9596767
A_55_P1960	326.7 Detected	134.5 Detected	444.3 Detected	147.7 Detected	Spns3	0.452096725	1.35996327	1.09814126	3.3033457
A_55_P2140	28.1 Detected	27.7 Detected	22.9 Detected	12.7 Not Detect	Dupd1	0.451957295	0.81494662	0.45848375	0.8267148
A_55_P2011	27 Detected	30.6 Detected	21.9 Detected	12.2 Not Detect	Ldoc1l	0.451851852	0.81111111	0.39869281	0.7156863
A_55_P2386	50.5 Detected	70 Detected	35.9 Detected	22.8 Not Detect	2810004I08Rik	0.451485149	0.71089109	0.32571429	0.5128571
A_55_P2011	21.5 Detected	16.5 Not Detect	26.4 Detected	9.7 Not Detect	Ecm2	0.451162791	1.22790698	0.58787879	1.6
A_51_P1993	56.3 Detected	25.5 Detected	23.1 Detected	25.4 Not Detect	2310015B20Rik	0.451154529	0.41030195	0.99607843	0.9058824
A_55_P2088	36.6 Detected	24.2 Detected	12.5 Not Detect	16.5 Not Detect	C230072F16Rik	0.450819672	0.34153005	0.68181818	0.5165289
A_51_P3028	52.8 Detected	3.7 Not Detect	461.5 Detected	23.8 Not Detect	Ugt2b37	0.450757576	8.7405303	6.43243243	124.72973
A_55_P2042	23.3 Detected	17.9 Not Detect	11 Not Detect	10.5 Not Detect	Prune2	0.450643777	0.472103	0.58659218	0.6145251
A_55_P2159	9840.1 Detected	10100.7 Detected	2700.3 Detected	4434 Detected	Fndc4	0.450605177	0.27441794	0.43897948	0.2673379
A_55_P2134	876.6 Detected	804 Detected	469 Detected	394.3 Detected	Brsk1	0.449806069	0.53502167	0.49042289	0.5833333
A_55_P1978	114.5 Detected	68.3 Detected	123.7 Detected	51.5 Detected	Slx4ip	0.449781659	1.08034934	0.75402635	1.8111274
A_55_P2027	182.1 Detected	151.3 Detected	115.1 Detected	81.9 Detected	5830416P10Rik	0.449752883	0.63207029	0.54130866	0.7607403
A_55_P2149	121.7 Detected	73.1 Detected	90 Detected	54.7 Detected	Cnbd2	0.4494659	0.73952342	0.74829001	1.2311902
A_55_P2096	22.7 Detected	18.7 Detected	20.2 Detected	10.2 Not Detect	Glyctk	0.449339207	0.88986784	0.54545455	1.0802139
A_55_P2128	24.1 Detected	8.8 Not Detect	8.9 Not Detect	10.8 Not Detect	Il19	0.44813278	0.36929461	1.22727273	1.0113636
A_52_P6109	27.9 Detected	12 Not Detect	9.7 Not Detect	12.5 Not Detect	Slc28a3	0.448028674	0.34767025	1.04166667	0.8083333
A_55_P2129	11803.2 Detected	6412.7 Detected	7250.3 Detected	5287.4 Detected	Itprlp	0.447963264	0.61426562	0.82452009	1.1306158
A_52_P1252	71 Detected	29.9 Detected	29 Detected	31.8 Not Detect	Olfrl23	0.447887324	0.4084507	1.06354515	0.9698997
A_55_P1959	4518.3 Detected	3860.8 Detected	2952.2 Detected	2022.6 Detected	Etv4	0.447646239	0.65338734	0.52388106	0.7646602
A_51_P3506	21 Detected	176.4 Detected	5.3 Not Detect	9.4 Not Detect	Peli2	0.447619048	0.25238095	0.05328798	0.0300454
A_55_P2025	22.8 Detected	3.7 Not Detect	8.7 Not Detect	10.2 Not Detect	Tnfrsf18	0.447368421	0.38157895	2.75675676	2.3513514
A_55_P2044	91.7 Detected	51.4 Detected	75.8 Detected	41 Not Detect	Zfp74	0.447110142	0.82660851	0.79766537	1.4747082

A_55_P1966	131.8	Detected	72.7	Detected	71	Detected	58.9	Detected	Mybl1	0.446889226	0.53869499	0.81017882	0.9766162
A_55_P2114	2989.8	Detected	14446	Detected	80.4	Detected	1336.1	Detected	Greb1	0.446886079	0.02689143	0.09248927	0.0055656
A_55_P1969	1034.3	Detected	302.5	Detected	353.8	Detected	462.2	Detected	Sh3kbp1	0.446872281	0.3420671	1.52793388	1.1695868
A_55_P2152	8152.1	Detected	4360.4	Detected	2834	Detected	3640	Detected	Fgfr1	0.446510715	0.34764049	0.8347858	0.6499404
A_66_P1261	159.7	Detected	74.4	Detected	148.5	Detected	71.3	Detected	Kcnd1	0.446462116	0.9298685	0.95833333	1.9959677
A_55_P2042	29.8	Detected	27.9	Detected	26.3	Detected	13.3	Not Detect	Vgll2	0.446308725	0.88255034	0.47670251	0.9426523
A_51_P2679	24.2	Detected	15.7	Not Detect	18.9	Detected	10.8	Not Detect	Reg3a	0.446280992	0.78099174	0.68789809	1.2038217
A_51_P3678	732.3	Detected	1125.8	Detected	397.1	Detected	326.4	Detected	Egr1	0.445718968	0.5422641	0.28992716	0.3527269
A_52_P6129	19.3	Detected	15.4	Detected	9.6	Not Detect	8.6	Not Detect	Gabbr2	0.445595855	0.49740933	0.55844156	0.6233766
A_52_P2969	373.8	Detected	191.1	Detected	288.4	Detected	166.5	Detected	Slc9a8	0.445425361	0.77153558	0.87127159	1.5091575
A_55_P2121	50.3	Detected	11	Not Detect	9.1	Not Detect	22.4	Not Detect	Znf41-ps	0.445328032	0.18091451	2.03636364	0.8272727
A_51_P4444	211.8	Detected	138.3	Detected	120.9	Detected	94.3	Detected	Fam188b	0.44523135	0.57082153	0.68185105	0.8741866
A_55_P2134	5475.6	Detected	2893.4	Detected	3503	Detected	2436.6	Detected	Serpina9	0.44499233	0.63974724	0.84212345	1.2106864
A_55_P1955	23.6	Detected	31.9	Detected	11.1	Not Detect	10.5	Not Detect	Fam69c	0.444915254	0.47033898	0.32915361	0.3479624
A_55_P1992	25.4	Detected	29.7	Detected	55.6	Detected	11.3	Not Detect	Msi2	0.44488189	2.18897638	0.38047138	1.8720539
A_55_P2127	20.7	Detected	21.8	Detected	15	Not Detect	9.2	Not Detect	Fbxo17	0.444444444	0.72463768	0.42201835	0.6880734
A_55_P2038	7688	Detected	286.3	Detected	1300.8	Detected	3414.8	Detected	Acot1	0.444172737	0.16919875	11.9273489	4.5434859
A_51_P2062	18.7	Detected	286.6	Detected	11.2	Not Detect	8.3	Not Detect	Uroc1	0.443850267	0.59893048	0.02896022	0.0390789
A_55_P2109	9493	Detected	6521	Detected	4787.2	Detected	4212	Detected	Lrig1	0.443695354	0.50428737	0.6459132	0.7341205
A_55_P2137	3637.4	Detected	2333.3	Detected	3302.3	Detected	1612.3	Detected	Tgfb1	0.443256172	0.90787376	0.69099559	1.4152916
A_55_P1985	23.7	Detected	4.1	Not Detect	3.7	Not Detect	10.5	Not Detect	Kcnk10	0.443037975	0.15611814	2.56097561	0.902439
A_55_P2184	1273.3	Detected	916.5	Detected	612.2	Detected	564.1	Detected	Itgal	0.443022069	0.48079793	0.61549373	0.667976
A_51_P1370	1211.8	Detected	1031.6	Detected	1146.5	Detected	536.8	Detected	Sall2	0.442977389	0.94611322	0.52035673	1.1113804
A_55_P2157	656.7	Detected	382.2	Detected	540.8	Detected	290.9	Detected	Stk35	0.442972438	0.8235115	0.76111983	1.414966
A_55_P2088	21	Detected	3.2	Not Detect	14.6	Not Detect	9.3	Not Detect	Tnnt3	0.442857143	0.6952381	2.90625	4.5625
A_55_P2107	20.8	Detected	18.2	Detected	3.4	Not Detect	9.2	Not Detect	Fam115a	0.442307692	0.16346154	0.50549451	0.1868132
A_55_P2280	422.4	Detected	297.4	Detected	128	Detected	186.8	Detected	Zfp697	0.442234848	0.3030303	0.62811029	0.4303968
A_51_P1181	23.3	Detected	14.2	Not Detect	13.3	Not Detect	10.3	Not Detect	Lmo3	0.442060086	0.57081545	0.72535211	0.9366197
A_55_P1975	368.8	Detected	75	Detected	13.4	Not Detect	163	Detected	Ptger3	0.44197397	0.03633406	2.17333333	0.1786667
A_55_P1962	22.4	Detected	34.3	Detected	36	Detected	9.9	Not Detect	Maf	0.441964286	1.60714286	0.28862974	1.0495627
A_51_P1986	627.7	Detected	575.4	Detected	82.3	Detected	277.3	Detected	Parvb	0.441771547	0.13111359	0.48192562	0.1430309
A_66_P1252	23.1	Detected	3.6	Not Detect	69.4	Detected	10.2	Not Detect	Gm14492	0.441558442	3.004329	2.83333333	19.277778
A_52_P6154	23.1	Detected	16.6	Not Detect	16.4	Not Detect	10.2	Not Detect	Cntnap5a	0.441558442	0.70995671	0.61445783	0.9879518
A_51_P4964	5200.2	Detected	3110.3	Detected	2906.2	Detected	2295.8	Detected	Acs1	0.44148302	0.55886312	0.73812815	0.9343793
A_55_P1974	329.7	Detected	383.7	Detected	81.6	Detected	145.5	Detected	Cdk14	0.441310282	0.24749773	0.3792025	0.2126661
A_52_P2539	7347.1	Detected	3657.6	Detected	6640.8	Detected	3241.1	Detected	Cds2	0.441140042	0.90386683	0.88612752	1.8156168
A_51_P3632	591.2	Detected	558.3	Detected	236.2	Detected	260.6	Detected	D630045J12Rik	0.440798376	0.39952639	0.46677414	0.42307
A_55_P2098	3303.1	Detected	970.2	Detected	4535.2	Detected	1455.5	Detected	Shf	0.440646665	1.37301323	1.50020614	4.6745001
A_55_P1972	473.3	Detected	153.1	Detected	441.5	Detected	208.5	Detected	Masp1	0.440523981	0.93281217	1.361855	2.8837361
A_55_P2178	83.7	Detected	19.2	Detected	61.1	Detected	36.8	Not Detect	Nacc2	0.439665472	0.72998805	1.91666667	3.1822917

A_55_P2120	204.6	Detected	264.8	Detected	94.7	Detected	89.9	Detected	Gm10537	0.439393939	0.46285435	0.33950151	0.3576284
A_55_P1952	177.3	Detected	204.3	Detected	122.1	Detected	77.8	Detected	Spry2	0.438804287	0.68866328	0.38081253	0.5976505
A_66_P1321	25.3	Detected	18.4	Detected	28	Detected	11.1	Not Detect	Gm9959	0.438735178	1.10671937	0.60326087	1.5217391
A_55_P2012	5792.5	Detected	3840.7	Detected	3604	Detected	2540	Detected	Sec61a2	0.438498058	0.62218386	0.66133778	0.9383706
A_55_P2118	20.3	Detected	4.1	Not Detect	78.7	Detected	8.9	Not Detect	Mx1	0.438423645	3.87684729	2.17073171	19.195122
A_55_P2426	20.3	Detected	14.1	Not Detect	10.8	Not Detect	8.9	Not Detect	A830080H07Rik	0.438423645	0.5320197	0.63120567	0.7659574
A_55_P2121	7265.1	Detected	4063.7	Detected	4211.2	Detected	3183	Detected	Sox4	0.43812198	0.57964791	0.78327632	1.036297
A_55_P2126	21	Detected	12.2	Not Detect	16.2	Not Detect	9.2	Not Detect	Safb2	0.438095238	0.77142857	0.75409836	1.3278689
A_55_P2105	4544.3	Detected	4143.8	Detected	2676.5	Detected	1989.9	Detected	Arhgap39	0.437889224	0.5889796	0.4802114	0.6459047
A_51_P2141	23.3	Detected	3.8	Not Detect	3.7	Not Detect	10.2	Not Detect	Slc6a3	0.43776824	0.15879828	2.68421053	0.9736842
A_55_P2107	353.5	Detected	401.2	Detected	112.6	Detected	154.7	Detected	Apol9a	0.437623762	0.318529	0.38559322	0.280658
A_51_P2462	1206.3	Detected	806.2	Detected	848.3	Detected	527.7	Detected	Tram2	0.43745337	0.70322474	0.65455222	1.0522203
A_51_P4515	4507.3	Detected	2740.1	Detected	2060.2	Detected	1970.5	Detected	Arhgef25	0.437179686	0.45708074	0.71913434	0.7518704
A_52_P6753	10443	Detected	10540	Detected	8948.5	Detected	4565.3	Detected	Ackr3	0.43716365	0.85688978	0.43314042	0.8490038
A_55_P1987	493.4	Detected	483.6	Detected	241.9	Detected	215.4	Detected	Pr13d1	0.436562627	0.49027158	0.44540943	0.5002068
A_55_P1985	19.7	Detected	39	Detected	18.3	Detected	8.6	Not Detect	Dock6	0.436548223	0.92893401	0.22051282	0.4692308
A_51_P1050	283.3	Detected	64.3	Detected	117.7	Detected	123.6	Detected	Lypd6b	0.436286622	0.41546064	1.9222395	1.8304821
A_52_P3098	170.1	Detected	89	Detected	71.4	Detected	74.2	Detected	Mcc	0.436213992	0.41975309	0.83370787	0.8022472
A_55_P2055	28.2	Detected	22	Detected	108	Detected	12.3	Not Detect	Ocln	0.436170213	3.82978723	0.55909091	4.9090909
A_51_P1893	22842.1	Detected	5902.2	Detected	30343.2	Detected	9962.5	Detected	Osgin1	0.436146414	1.32838925	1.68792992	5.1409983
A_55_P2084	21.1	Detected	3.2	Not Detect	4	Not Detect	9.2	Not Detect	1700021P04Rik	0.436018957	0.18957346	2.875	1.25
A_52_P6606	2167.3	Detected	1254.2	Detected	3.6	Not Detect	944.9	Detected	Dsel	0.435980252	0.00166105	0.75338861	0.0028704
A_55_P1966	23.4	Detected	6	Not Detect	9.2	Not Detect	10.2	Not Detect	Smarca5-ps	0.435897436	0.39316239	1.7	1.5333333
A_52_P5861	23.4	Detected	175.4	Detected	19.6	Detected	10.2	Not Detect	Adcy7	0.435897436	0.83760684	0.05815279	0.1117446
A_51_P1406	19.5	Detected	285.8	Detected	13.3	Not Detect	8.5	Not Detect	Eva1a	0.435897436	0.68205128	0.02974108	0.046536
A_55_P1955	33.3	Detected	23.3	Detected	17.2	Not Detect	14.5	Not Detect	C130079G13Rik	0.435435435	0.51651652	0.6223176	0.7381974
A_52_P2971	19.3	Detected	9.7	Not Detect	49	Detected	8.4	Not Detect	E230001N04Rik	0.435233161	2.5388601	0.86597938	5.0515464
A_55_P1979	26.2	Detected	34.9	Detected	27.3	Detected	11.4	Not Detect	Lrit3	0.435114504	1.04198473	0.32664756	0.782235
A_55_P1974	102564.2	Detected	50959.4	Detected	66592.4	Detected	44622.3	Detected	Bcl2l1	0.435067012	0.64927528	0.87564414	1.3067736
A_55_P2154	80.7	Detected	73.7	Detected	45.3	Detected	35.1	Not Detect	Slco1a5	0.434944238	0.56133829	0.47625509	0.614654
A_51_P4256	6255.5	Detected	3838.6	Detected	5241.2	Detected	2719.9	Detected	Ivd	0.434801375	0.83785469	0.70856562	1.3653936
A_55_P2038	21.4	Detected	7	Not Detect	3.3	Not Detect	9.3	Not Detect	Niacr1	0.434579439	0.15420561	1.32857143	0.4714286
A_55_P1969	24.4	Detected	3.8	Not Detect	3.8	Not Detect	10.6	Not Detect	Slc17a1	0.43442623	0.1557377	2.78947368	1
A_55_P2330	19.8	Detected	28.5	Detected	16.8	Detected	8.6	Not Detect	1700120E14Rik	0.434343434	0.84848485	0.30175439	0.5894737
A_55_P2128	2552.5	Detected	1531.1	Detected	1183.4	Detected	1108.2	Detected	Nr2f2	0.434162586	0.4636239	0.72379335	0.7729084
A_55_P2073	26.5	Detected	18.3	Detected	20.7	Detected	11.5	Not Detect	LOC101056044	0.433962264	0.78113208	0.6284153	1.1311475
A_55_P2095	72.6	Detected	46	Detected	42.1	Detected	31.5	Not Detect	Kalrn	0.433884298	0.57988981	0.68478261	0.9152174
A_55_P2364	19.6	Detected	10.2	Not Detect	3.1	Not Detect	8.5	Not Detect	Plxdc1	0.433673469	0.15816327	0.83333333	0.3039216
A_51_P1264	10516.1	Detected	8944.5	Detected	4243.5	Detected	4559.6	Detected	Enc1	0.433582792	0.40352412	0.50976578	0.4744256
A_52_P6076	23.3	Detected	101.4	Detected	7	Not Detect	10.1	Not Detect	Ppm1e	0.433476395	0.30042918	0.09960552	0.0690335

A_55_P2165	49.6 Detected	37.9 Detected	15.8 Detected	21.5 Not Detect	Gm10779	0.433467742	0.31854839	0.56728232	0.4168865
A_55_P1983	25.4 Detected	26 Detected	14.8 Not Detect	11 Not Detect	Hhla1	0.433070866	0.58267717	0.42307692	0.5692308
A_55_P1971	19.4 Detected	12.9 Not Detect	11.6 Not Detect	8.4 Not Detect	Reck	0.432989691	0.59793814	0.65116279	0.8992248
A_55_P2000	5153.1 Detected	2688.9 Detected	1079.6 Detected	2230.3 Detected	Gkap1	0.432807436	0.20950496	0.82944699	0.4015025
A_55_P2335	26.6 Detected	19.7 Detected	23 Detected	11.5 Not Detect	D11ErtD712e	0.432330827	0.86466165	0.58375635	1.1675127
A_52_P1135	19.9 Detected	12.7 Not Detect	63.7 Detected	8.6 Not Detect	Gm684	0.432160804	3.20100503	0.67716535	5.015748
A_55_P2154	6910.4 Detected	4212.3 Detected	3116 Detected	2985.8 Detected	Peak1	0.432073397	0.45091456	0.70882891	0.7397384
A_51_P4261	123.9 Detected	144.6 Detected	56.6 Detected	53.5 Detected	Nppb	0.431799839	0.45682002	0.36998617	0.3914246
A_51_P2731	32.2 Detected	143.5 Detected	7.7 Not Detect	13.9 Not Detect	Pde6h	0.431677019	0.23913043	0.09686411	0.0536585
A_55_P2419	819.7 Detected	377.7 Detected	790.4 Detected	353.7 Detected	Ccny	0.431499329	0.96425522	0.93645751	2.0926661
A_55_P2165	496.1 Detected	289.5 Detected	286.3 Detected	214 Detected	Atrn	0.431364644	0.57710139	0.73920553	0.9889465
A_55_P1956	596.5 Detected	356.2 Detected	375.6 Detected	257.2 Detected	Sgms1	0.431181894	0.62967309	0.72206625	1.0544638
A_55_P1967	375.3 Detected	664.9 Detected	710.4 Detected	161.6 Detected	Nfatc2	0.430588862	1.89288569	0.24304407	1.0684313
A_51_P2323	197.3 Detected	1117.8 Detected	85.2 Detected	84.8 Detected	Stab1	0.429802331	0.4318297	0.0758633	0.0762211
A_52_P4660	9167.2 Detected	5823.3 Detected	4895.9 Detected	3938.5 Detected	Samhd1	0.429629549	0.53406711	0.67633472	0.8407432
A_51_P4928	20.5 Detected	21.6 Detected	8.6 Not Detect	8.8 Not Detect	4933430117Rik	0.429268293	0.4195122	0.40740741	0.3981481
A_55_P2030	334.9 Detected	178.6 Detected	209.8 Detected	143.7 Detected	Rbm39	0.429083308	0.62645566	0.80459127	1.174692
A_52_P1058	553.5 Detected	287.2 Detected	271.6 Detected	237.2 Detected	Fnbp1	0.428545619	0.49069557	0.82590529	0.9456825
A_51_P2501	458.4 Detected	295.4 Detected	242.9 Detected	196.3 Detected	Zfp763	0.428228621	0.52988656	0.66452268	0.8222749
A_55_P2131	568 Detected	351.8 Detected	295.2 Detected	242.9 Detected	Lpcat1	0.427640845	0.51971831	0.69044912	0.8391131
A_55_P1999	24.1 Detected	23 Detected	17.5 Detected	10.3 Not Detect	Gm7789	0.427385892	0.72614108	0.44782609	0.7608696
A_55_P1984	27333.4 Detected	16838.6 Detected	14533.7 Detected	11679.6 Detected	Slc44a2	0.427301397	0.53171943	0.69362061	0.8631181
A_55_P2164	126.9 Detected	92.3 Detected	52.8 Detected	54.2 Detected	Samhd1	0.427107959	0.41607565	0.5872156	0.5720477
A_52_P3078	44.5 Detected	37.3 Detected	15.6 Not Detect	19 Not Detect	Zbtb38	0.426966292	0.3505618	0.50938338	0.4182306
A_55_P2213	25.3 Detected	30 Detected	13.6 Not Detect	10.8 Not Detect	4933417E11Rik	0.42687747	0.53754941	0.36	0.4533333
A_55_P2121	19328 Detected	10153 Detected	11314.6 Detected	8246.8 Detected	Sox4	0.426676325	0.58539942	0.81225254	1.1144095
A_55_P1955	21.8 Detected	17.5 Detected	11.1 Not Detect	9.3 Not Detect	Stat1	0.426605505	0.50917431	0.53142857	0.6342857
A_52_P5442	23.7 Detected	76.3 Detected	3.6 Not Detect	10.1 Not Detect	A630095E13Rik	0.426160338	0.15189873	0.13237221	0.0471822
A_55_P1989	207 Detected	84 Detected	124.2 Detected	88.2 Detected	Tmem164	0.426086957	0.6	1.05	1.4785714
A_55_P1987	96.4 Detected	69.1 Detected	76.5 Detected	41 Not Detect	Rps6ka5	0.425311203	0.79356846	0.59334298	1.1070912
A_55_P1953	24.7 Detected	8.6 Not Detect	10.4 Not Detect	10.5 Not Detect	Itk	0.425101215	0.42105263	1.22093023	1.2093023
A_55_P2106	2833 Detected	2598.5 Detected	1771.6 Detected	1203.7 Detected	Ankrd52	0.424885281	0.62534416	0.46322879	0.6817779
A_55_P2011	19.3 Detected	2.9 Not Detect	3 Not Detect	8.2 Not Detect	Reep1	0.424870466	0.15544041	2.82758621	1.0344828
A_55_P2001	66.2 Detected	31.9 Detected	55.3 Detected	28.1 Not Detect	Zscan29	0.424471299	0.83534743	0.88087774	1.7335423
A_55_P2136	11530.9 Detected	7959.9 Detected	10797.2 Detected	4890.8 Detected	Thbs3	0.424147291	0.93637097	0.61442983	1.3564492
A_66_P1180	49.3 Detected	27.4 Detected	24.8 Detected	20.9 Not Detect	Rnf38	0.423935091	0.5030426	0.76277372	0.9051095
A_55_P2159	11235.7 Detected	1741 Detected	697.6 Detected	4752.5 Detected	Lifr	0.422982102	0.06208781	2.72975302	0.4006893
A_55_P2102	363.2 Detected	190.9 Detected	141.5 Detected	153.6 Detected	Eaf2	0.422907489	0.38959251	0.80460974	0.7412258
A_55_P1955	23.9 Detected	23.5 Detected	16 Not Detect	10.1 Not Detect	Slc1a2	0.422594142	0.66945607	0.42978723	0.6808511
A_55_P2112	20.6 Detected	14.5 Not Detect	9.8 Not Detect	8.7 Not Detect	1700022P22Rik	0.422330097	0.47572816	0.6	0.6758621

A_55_P2090	23	Detected	7.2	Not Detect	3.4	Not Detect	9.7	Not Detect	Vmn1r34	0.42173913	0.14782609	1.34722222	0.4722222	
A_51_P4000	24.9	Detected	10.3	Not Detect	13.9	Not Detect	10.5	Not Detect	4930548H24Rik	0.421686747	0.55823293	1.01941748	1.3495146	
A_55_P2162	8786.8	Detected	2989	Detected	10216.1	Detected	3704.3	Detected	Anp32a	0.421575545	1.16266445	1.23931081	3.417899	
A_55_P1953	25.4	Detected	7.4	Not Detect	12.3	Not Detect	10.7	Not Detect	Mlana	0.421259843	0.48425197	1.44594595	1.6621622	
A_55_P2114	1555.1	Detected	1046.1	Detected	999.6	Detected	654.3	Detected	Rpgr	0.420744647	0.64278825	0.62546602	0.9555492	
A_55_P2028	396.5	Detected	492.6	Detected	208.7	Detected	166.8	Detected	Ncam1	0.420680958	0.52635561	0.33861145	0.4236703	
A_55_P2023	2701.9	Detected	533.9	Detected	801.6	Detected	1135.8	Detected	Epha4	0.42037085	0.29668011	2.12736468	1.5014048	
A_55_P2035	2990.2	Detected	1116.5	Detected	1660.8	Detected	1256.9	Detected	Hipk3	0.420339777	0.55541435	1.12575011	1.4875056	
A_51_P2441	25	Detected	40.7	Detected	9	Not Detect	10.5	Not Detect	Tktl1	0.42	0.36	0.25798526	0.2211302	
A_51_P4468	21.2	Detected	10.4	Not Detect	3.2	Not Detect	8.9	Not Detect	6430573F11Rik	0.419811321	0.1509434	0.85576923	0.3076923	
A_52_P2146	1946	Detected	966.4	Detected	1599.1	Detected	815.8	Detected	Cflar	0.419218911	0.8217369	0.84416391	1.6546978	
A_55_P1968	1707.2	Detected	1200.7	Detected	1053.5	Detected	715.4	Detected	Rpgr	0.419048735	0.61709231	0.59581911	0.8774048	
A_55_P1960	33.9	Detected	20.2	Detected	7.5	Not Detect	14.2	Not Detect	Fam217a	0.418879056	0.22123894	0.7029703	0.3712871	
A_55_P2027	45.6	Detected	37.2	Detected	51.8	Detected	19.1	Not Detect	Casc5	0.418859649	1.13596491	0.51344086	1.3924731	
A_51_P3575	1551.7	Detected	1434	Detected	1138	Detected	649.9	Detected	Cald1	0.41883096	0.73338919	0.45320781	0.7935844	
A_51_P3036	1266.3	Detected	1312.6	Detected	115.1	Detected	530.2	Detected	Whrn	0.41870015	0.09089473	0.40393113	0.0876886	
A_51_P4806	2988.4	Detected	3.5	Not Detect	5169.6	Detected	1251	Detected	Tff2	0.418618659	1.7298889	357.428571	1477.0286	
A_65_P0602	170.9	Detected	51.4	Detected	7.9	Not Detect	71.5	Detected	Fam171b	0.418373318	0.04622586	1.39105058	0.1536965	
A_55_P2471	25.1	Detected	11.4	Not Detect	3.8	Not Detect	10.5	Not Detect	5031434C07Rik	0.418326693	0.15139442	0.92105263	0.3333333	
A_52_P1486	5320.6	Detected	2101.2	Detected	3030.6	Detected	2225.3	Detected	Plog1	0.418242303	0.56959741	1.05906149	1.4423187	
A_51_P1312	21.3	Detected	3.1	Not Detect	3.3	Not Detect	8.9	Not Detect	Ptpn20	0.417840376	0.15492958	2.87096774	1.0645161	
A_51_P4449	23.7	Detected	4.2	Not Detect	3.6	Not Detect	9.9	Not Detect	Serpina5	0.417721519	0.15189873	2.35714286	0.8571429	
A_55_P2154	41.2	Detected	19.9	Detected	23.5	Detected	17.2	Not Detect	2810006K23Rik	0.417475728	0.57038835	0.86432161	1.1809045	
A_51_P3055	5313.8	Detected	5446.4	Detected	4773.2	Detected	2217.8	Detected	Eif2s3x	0.417366103	0.8982649	0.40720476	0.8763954	
A_51_P4593	12326.3	Detected	6370.1	Detected	2548.8	Detected	5143.3	Detected	Gkap1	0.417262277	0.20677738	0.80741276	0.4001193	
A_55_P2024	11192.1	Detected	5699	Detected	4367	Detected	4653.6	Detected	Ppap2a	0.415793283	0.39018593	0.81656431	0.7662748	
A_55_P2032	3063.1	Detected	1657.3	Detected	1813	Detected	1273.3	Detected	Zcchc11	0.415689987	0.59188404	0.76829783	1.093948	
A_55_P2041	22.4	Detected	13.8	Not Detect	16	Not Detect	9.3	Not Detect	Gm590	0.415178571	0.71428571	0.67391304	1.1594203	
A_55_P2163	48.2	Detected	7	Not Detect	52.7	Detected	20	Not Detect		4-Sep	0.414937759	1.093361	2.85714286	7.5285714
A_55_P2105	8137.7	Detected	5657.9	Detected	4035	Detected	3375.8	Detected	Lrig1	0.414834658	0.49584035	0.59665247	0.7131621	
A_51_P4138	3100.8	Detected	260.7	Detected	8861	Detected	1286.1	Detected	Cfb	0.414763932	2.85764964	4.93325662	33.98926	
A_55_P2017	20.5	Detected	14.2	Not Detect	33	Detected	8.5	Not Detect	Olfra424	0.414634146	1.6097561	0.59859155	2.3239437	
A_55_P2070	382.5	Detected	197.5	Detected	257.5	Detected	158.4	Detected	Coro7	0.414117647	0.67320261	0.80202532	1.3037975	
A_55_P1956	52715.1	Detected	31396	Detected	33163.8	Detected	21812.3	Detected	Ogfr	0.413777077	0.62911386	0.69474774	1.0563065	
A_55_P2038	13025.2	Detected	8980.2	Detected	7964.4	Detected	5387.2	Detected	Tyro3	0.413598256	0.61146086	0.59989755	0.8868845	
A_51_P1570	27735	Detected	73800.6	Detected	23550.6	Detected	11440.2	Detected	Ctgf	0.412482423	0.84912926	0.155015	0.3191112	
A_55_P2135	866.3	Detected	688.7	Detected	317.6	Detected	357	Detected	Slco1a5	0.412097426	0.36661665	0.51836794	0.4611587	
A_52_P1294	80.6	Detected	68.1	Detected	41.5	Detected	33.2	Not Detect	Fzd2	0.41191067	0.51488834	0.48751836	0.6093979	
A_66_P1175	23.8	Detected	16.6	Not Detect	21.5	Detected	9.8	Not Detect	E030025P04Rik	0.411764706	0.90336134	0.59036145	1.2951807	
A_55_P1978	98.4	Detected	37.4	Detected	51	Detected	40.5	Not Detect	Zfp945	0.411585366	0.51829268	1.0828877	1.3636364	

A_55_P2097	26	Detected	6.1	Not Detect	21.2	Detected	10.7	Not Detect	Chaf1b	0.411538462	0.81538462	1.75409836	3.4754098
A_55_P2016	9650	Detected	6008.1	Detected	5906.8	Detected	3965.9	Detected	Ogfr	0.410974093	0.61210363	0.66009221	0.9831394
A_52_P4761	22.4	Detected	15.2	Not Detect	23.9	Detected	9.2	Not Detect	Gm3604	0.410714286	1.06696429	0.60526316	1.5723684
A_55_P1959	22.4	Detected	23.5	Detected	58.5	Detected	9.2	Not Detect	Vmn2r18	0.410714286	2.61160714	0.39148936	2.4893617
A_65_P0660	78.2	Detected	42.7	Detected	23.3	Detected	32.1	Not Detect	Ahr	0.410485934	0.29795396	0.75175644	0.5456674
A_55_P1989	21.7	Detected	4.4	Not Detect	8.4	Not Detect	8.9	Not Detect	Tm6sf1	0.410138249	0.38709677	2.02272727	1.9090909
A_55_P2028	27.8	Detected	29.9	Detected	13.4	Not Detect	11.4	Not Detect	Pik3cd	0.410071942	0.48201439	0.3812709	0.4481605
A_55_P2008	24.9	Detected	7.2	Not Detect	3.7	Not Detect	10.2	Not Detect	Ch25h	0.409638554	0.14859438	1.41666667	0.5138889
A_55_P2109	24.9	Detected	36.6	Detected	28.8	Detected	10.2	Not Detect	Tmem5	0.409638554	1.15662651	0.27868852	0.7868852
A_55_P1957	31.3	Detected	17.6	Detected	60.1	Detected	12.8	Not Detect	Gm3161	0.408945687	1.9201278	0.72727273	3.4147727
A_55_P2078	24.7	Detected	3.6	Not Detect	4.7	Not Detect	10.1	Not Detect	Ppp1r10	0.408906883	0.1902834	2.80555556	1.3055556
A_55_P1978	201.1	Detected	568.2	Detected	48.7	Detected	82.2	Detected	Vmn2r78	0.408751865	0.24216808	0.14466737	0.0857093
A_52_P7635	59.7	Detected	53.4	Detected	49.3	Detected	24.4	Not Detect	2210408I21Rik	0.408710218	0.82579564	0.45692884	0.923221
A_52_P6284	23	Detected	20.3	Detected	18.2	Detected	9.4	Not Detect	Far2	0.408695652	0.79130435	0.46305419	0.8965517
A_55_P1974	12645.8	Detected	8057.7	Detected	6636	Detected	5164.1	Detected	Itga3	0.408364833	0.52475921	0.64089008	0.8235601
A_52_P5931	23690.1	Detected	14818.7	Detected	11950.3	Detected	9666.5	Detected	Rdh10	0.408039645	0.50444278	0.65231768	0.8064338
A_51_P2370	29.2	Detected	16.4	Not Detect	6.7	Not Detect	11.9	Not Detect	Olf1r1198	0.407534247	0.22945205	0.72560976	0.4085366
A_52_P6813	29.7	Detected	21.7	Detected	34.2	Detected	12.1	Not Detect	G0s2	0.407407407	1.15151515	0.55760369	1.5760369
A_55_P1967	132.3	Detected	125.1	Detected	99.8	Detected	53.9	Detected	Mkl2	0.407407407	0.75434618	0.43085532	0.7977618
A_52_P8852	23.1	Detected	17	Detected	3.3	Not Detect	9.4	Not Detect	Acpl2	0.406926407	0.14285714	0.55294118	0.1941176
A_55_P2024	440.6	Detected	420.6	Detected	146.9	Detected	179.1	Detected	Tmem53	0.406491148	0.33340899	0.42582026	0.349263
A_55_P2150	22.4	Detected	14.1	Not Detect	15.3	Not Detect	9.1	Not Detect	Socs6	0.40625	0.68303571	0.64539007	1.0851064
A_55_P1975	22.4	Detected	18.6	Detected	12	Not Detect	9.1	Not Detect	C030010C08Rik	0.40625	0.53571429	0.48924731	0.6451613
A_55_P2134	127.8	Detected	60.7	Detected	10.6	Not Detect	51.9	Not Detect	Whrn	0.406103286	0.0829421	0.85502471	0.1746293
A_55_P2071	42666.3	Detected	6694	Detected	9421.9	Detected	17317.9	Detected	Aqp5	0.405891769	0.22082768	2.58707798	1.4075142
A_51_P2234	2283.8	Detected	1403.2	Detected	1305.2	Detected	926.5	Detected	Slc39a10	0.40568351	0.57150363	0.66027651	0.9301596
A_51_P3245	141.4	Detected	136.4	Detected	78.6	Detected	57.3	Detected	Calcoco2	0.40523338	0.55586987	0.42008798	0.5762463
A_55_P2063	17608.8	Detected	11479.1	Detected	16420	Detected	7131.8	Detected	Thbs3	0.405013402	0.9324883	0.62128564	1.4304257
A_52_P5751	2512.9	Detected	1320	Detected	837	Detected	1016.5	Detected	Cdon	0.404512714	0.3330813	0.77007576	0.6340909
A_55_P2057	232.4	Detected	134	Detected	147.3	Detected	94	Detected	Etohi1	0.404475043	0.633821	0.70149254	1.0992537
A_55_P2068	9621.1	Detected	9251.9	Detected	1932.5	Detected	3890.1	Detected	Il6ra	0.404330066	0.20086061	0.42046499	0.208876
A_52_P4412	24.5	Detected	24.6	Detected	3.6	Not Detect	9.9	Not Detect	Chl1	0.404081633	0.14693878	0.40243902	0.1463415
A_51_P1835	44.8	Detected	166.9	Detected	16.7	Not Detect	18.1	Not Detect	Csdc2	0.404017857	0.37276786	0.10844817	0.1000599
A_55_P2101	25.5	Detected	17.7	Not Detect	21.1	Detected	10.3	Not Detect	Zhx3	0.403921569	0.82745098	0.5819209	1.1920904
A_51_P2605	164.7	Detected	129	Detected	113.2	Detected	66.4	Detected	Arhgef4	0.403157256	0.68731026	0.51472868	0.8775194
A_52_P1028	237.8	Detected	144.1	Detected	144.1	Detected	95.8	Detected	Galnt10	0.402859546	0.6059714	0.6648161	1
A_52_P3550	10322.7	Detected	8495.8	Detected	2218.7	Detected	4158.4	Detected	Metrn1	0.402840342	0.21493408	0.48946538	0.2611526
A_51_P1882	220.2	Detected	229.2	Detected	78.2	Detected	88.7	Detected	Cd248	0.402815622	0.3551317	0.38699825	0.3411867
A_51_P1131	846.8	Detected	153.6	Detected	88.1	Detected	340.8	Detected	Lifr	0.402456306	0.10403873	2.21875	0.5735677
A_55_P2142	188.2	Detected	143.7	Detected	238.9	Detected	75.7	Detected	Synj2	0.402231668	1.26939426	0.52679193	1.6624913

A_52_P5732	32466.3	Detected	24095.3	Detected	18151.7	Detected	13052.8	Detected	Cdc42ep1	0.402041501	0.55909358	0.5417156	0.7533295
A_51_P1366	1095.9	Detected	1681.4	Detected	291.6	Detected	440.2	Detected	Ttc7b	0.401678985	0.26608267	0.26180564	0.1734269
A_55_P2133	5494.3	Detected	2074.7	Detected	350.8	Detected	2203.6	Detected	Sipa112	0.4010702	0.06384799	1.06212946	0.1690847
A_51_P5092	11221.4	Detected	8379	Detected	7739.9	Detected	4499.7	Detected	Hoxa7	0.400992746	0.6897446	0.53702112	0.923726
A_55_P2205	27.7	Detected	22.9	Detected	22.7	Detected	11.1	Not Detect	AI835735	0.400722022	0.81949458	0.48471616	0.9912664
A_55_P2292	22.5	Detected	14.8	Not Detect	3.3	Not Detect	9	Not Detect	D430004P15Rik	0.4	0.14666667	0.60810811	0.222973
A_55_P1985	28	Detected	20.7	Detected	31.1	Detected	11.2	Not Detect	Il3	0.4	1.11071429	0.5410628	1.5024155
A_55_P1954	848.2	Detected	288.8	Detected	294.1	Detected	338.7	Detected	Ttc28	0.399316199	0.34673426	1.17278393	1.0183518
A_55_P1985	26.8	Detected	28.1	Detected	9.9	Not Detect	10.7	Not Detect	LOC666692	0.399253731	0.36940299	0.38078292	0.3523132
A_55_P2204	24.3	Detected	63.8	Detected	15.5	Detected	9.7	Not Detect	Dcl1	0.399176955	0.63786008	0.15203762	0.2429467
A_52_P1867	22.8	Detected	16.9	Detected	11.8	Not Detect	9.1	Not Detect	BC061237	0.399122807	0.51754386	0.53846154	0.6982249
A_55_P1993	550.8	Detected	352.2	Detected	130.6	Detected	219.8	Detected	Pltp	0.399055919	0.23710966	0.62407723	0.370812
A_51_P2945	36.9	Detected	8.6	Not Detect	11.8	Not Detect	14.7	Not Detect	Ifitm6	0.398373984	0.3197832	1.70930233	1.372093
A_55_P1961	97.9	Detected	18.3	Detected	574.5	Detected	39	Not Detect	Gsta3	0.398365679	5.86823289	2.13114754	31.393443
A_55_P2339	48.7	Detected	30.4	Detected	37.9	Detected	19.4	Not Detect	C230006B20	0.39835729	0.77823409	0.63815789	1.2467105
A_55_P1991	6520.9	Detected	3774.6	Detected	5297.8	Detected	2592.6	Detected	Basp1	0.397583156	0.81243387	0.68685424	1.4035394
A_65_P1067	70.2	Detected	44.3	Detected	41.5	Detected	27.9	Not Detect	Tmem44	0.397435897	0.59116809	0.62979684	0.9367946
A_55_P2123	59.4	Detected	23.1	Detected	22.1	Detected	23.6	Not Detect	AA667203	0.397306397	0.37205387	1.02164502	0.95671
A_52_P5108	1441.6	Detected	646.4	Detected	970.9	Detected	572.7	Detected	Bcl2l1	0.397266926	0.67348779	0.88598391	1.5020111
A_55_P2091	534.9	Detected	336.1	Detected	344.7	Detected	211.9	Detected	Zcchc11	0.396148813	0.64441952	0.63046712	1.0255876
A_55_P2165	25.5	Detected	14.9	Not Detect	21.2	Detected	10.1	Not Detect	Mtx3	0.396078431	0.83137255	0.67785235	1.4228188
A_52_P5599	1788.9	Detected	877	Detected	1360.1	Detected	708.5	Detected	Eif2ak2	0.396053441	0.76029963	0.80786773	1.5508552
A_55_P2183	50.5	Detected	42.3	Detected	27.1	Detected	20	Not Detect	4933439G19Rik	0.396039604	0.53663366	0.47281324	0.6406619
A_55_P2060	25	Detected	21.7	Detected	24.7	Detected	9.9	Not Detect	1700091H14Rik	0.396	0.988	0.4562212	1.1382488
A_66_P1215	23	Detected	22.6	Detected	9.6	Not Detect	9.1	Not Detect	Prss22	0.395652174	0.4173913	0.40265487	0.4247788
A_55_P2152	35.9	Detected	24.7	Detected	21.7	Detected	14.2	Not Detect	Ctps2	0.395543175	0.60445682	0.57489879	0.8785425
A_55_P2178	22	Detected	11	Not Detect	45.6	Detected	8.7	Not Detect	9030404E10Rik	0.395454545	2.07272727	0.79090909	4.1454545
A_55_P2021	31.9	Detected	19.2	Detected	21.2	Detected	12.6	Not Detect	Klhl15	0.394984326	0.6645768	0.65625	1.1041667
A_55_P2061	277.6	Detected	167.2	Detected	74.6	Detected	109.6	Detected	Zfp229	0.39481268	0.26873199	0.65550239	0.4461722
A_51_P4181	38.5	Detected	30.5	Detected	28.7	Detected	15.2	Not Detect	Tmem119	0.394805195	0.74545455	0.49836066	0.9409836
A_51_P4986	1342.6	Detected	1198.9	Detected	1310	Detected	530	Detected	Dfna5	0.394756443	0.97571875	0.4420719	1.0926683
A_52_P3862	24.6	Detected	16	Not Detect	20.6	Detected	9.7	Not Detect	Fktn	0.394308943	0.83739837	0.60625	1.2875
A_52_P5140	26.4	Detected	153.8	Detected	11.8	Not Detect	10.4	Not Detect	Padi4	0.393939394	0.4469697	0.06762029	0.076723
A_66_P1134	2465	Detected	2086.3	Detected	784	Detected	970.9	Detected	Sh2b2	0.393874239	0.31805274	0.46536931	0.3757849
A_55_P2138	106.4	Detected	91.2	Detected	40.5	Detected	41.9	Not Detect	Efnb2	0.393796992	0.3806391	0.45942982	0.4440789
A_55_P2037	79.3	Detected	37.9	Detected	62.2	Detected	31.2	Not Detect	Rex2	0.393442623	0.78436318	0.823219	1.6411609
A_55_P2152	10922.9	Detected	5609.5	Detected	3617.5	Detected	4297	Detected	Ctps2	0.393393696	0.33118494	0.76602193	0.6448881
A_55_P2063	65.6	Detected	51	Detected	48	Detected	25.8	Not Detect	Spata9	0.393292683	0.73170732	0.50588235	0.9411765
A_52_P1354	372.1	Detected	260.9	Detected	247.1	Detected	146.3	Detected	Ndst1	0.393173878	0.6640688	0.56075125	0.9471062
A_55_P2029	7827.9	Detected	8598.7	Detected	2785.5	Detected	3076.8	Detected	Fgd3	0.393055609	0.35584256	0.35782153	0.3239443

A_55_P1974	236.1	Detected	205.1	Detected	135.4	Detected	92.8	Detected	Pdgb	0.393053791	0.57348581	0.45246221	0.6601658
A_52_P2290	3124.1	Detected	1120.7	Detected	855.3	Detected	1227.6	Detected	Tmeff2	0.392945168	0.27377485	1.09538681	0.7631837
A_52_P1594	73.3	Detected	33.2	Detected	150.7	Detected	28.8	Not Detect	AU021092	0.392905866	2.05593452	0.86746988	4.5391566
A_55_P1991	45.1	Detected	65.2	Detected	64.4	Detected	17.7	Not Detect	Nrg2	0.392461197	1.42793792	0.27147239	0.9877301
A_55_P2269	1401.8	Detected	590.1	Detected	1183.2	Detected	549.3	Detected	Pdp1	0.391853331	0.84405764	0.93085918	2.0050839
A_52_P1724	1451.3	Detected	756.6	Detected	705.7	Detected	568.4	Detected	Fitm2	0.391648867	0.4862537	0.75125562	0.9327254
A_52_P5501	448.4	Detected	859.7	Detected	173.7	Detected	175.6	Detected	Sned1	0.39161463	0.38737734	0.2042573	0.2020472
A_55_P2174	33.2	Detected	29.1	Detected	29.9	Detected	13	Not Detect	Zfp605	0.391566265	0.90060241	0.4467354	1.0274914
A_51_P4219	16246.2	Detected	8615.7	Detected	12693	Detected	6347.7	Detected	Sgms1	0.39071906	0.78129039	0.73675964	1.4732407
A_55_P1974	43	Detected	26.8	Detected	22	Detected	16.8	Not Detect	Ptges	0.390697674	0.51162791	0.62686567	0.8208955
A_55_P2010	2719.2	Detected	2703.4	Detected	1553.9	Detected	1062	Detected	Tnfsf9	0.390556046	0.57145484	0.39283865	0.5747947
A_55_P2321	25.1	Detected	23.1	Detected	17	Not Detect	9.8	Not Detect	Gm16863	0.390438247	0.67729084	0.42424242	0.7359307
A_55_P2132	166.1	Detected	750.6	Detected	133	Detected	64.8	Detected	2010300C02Rik	0.39012643	0.80072246	0.08633094	0.1771916
A_55_P2083	34414	Detected	16882.6	Detected	18119.4	Detected	13424.4	Detected	Pea15a	0.39008543	0.52651247	0.79516188	1.0732589
A_51_P2385	3454.7	Detected	2387.2	Detected	1450.4	Detected	1345.8	Detected	Shisa4	0.389556257	0.41983385	0.5637567	0.6075737
A_55_P1952	22.6	Detected	11.1	Not Detect	6.8	Not Detect	8.8	Not Detect	Vmn2r111	0.389380531	0.30088496	0.79279279	0.6126126
A_52_P2287	26.2	Detected	3.6	Not Detect	19.1	Detected	10.2	Not Detect	Rnf150	0.389312977	0.72900763	2.83333333	5.3055556
A_52_P3251	23.9	Detected	13.4	Not Detect	3.3	Not Detect	9.3	Not Detect	Zbtb10	0.389121339	0.13807531	0.69402985	0.2462687
A_55_P2067	22.9	Detected	23.1	Detected	7.6	Not Detect	8.9	Not Detect	Boc	0.388646288	0.33187773	0.38528139	0.3290043
A_55_P2064	1081.1	Detected	303.2	Detected	646.5	Detected	420	Detected	Gm13154	0.388493201	0.59800203	1.38522427	2.1322559
A_55_P2387	207.6	Detected	215.4	Detected	33.3	Detected	80.6	Detected	9130221J18Rik	0.388246628	0.16040462	0.37418756	0.1545961
A_55_P2317	11550.7	Detected	5044.7	Detected	6292.4	Detected	4484.5	Detected	E2f1	0.388244868	0.54476352	0.88895276	1.2473289
A_55_P2133	123.4	Detected	263.3	Detected	227.5	Detected	47.9	Detected	Gm4610	0.388168558	1.84359806	0.18192176	0.8640334
A_51_P3847	1178.9	Detected	632.8	Detected	684.9	Detected	457.6	Detected	Efn4	0.388158453	0.58096531	0.72313527	1.0823325
A_51_P3050	121.6	Detected	112.1	Detected	51.7	Detected	47.2	Not Detect	Siglecg	0.388157895	0.42516447	0.42105263	0.4611954
A_51_P5113	336.9	Detected	118.3	Detected	114.2	Detected	130.5	Detected	Pstpip1	0.387355298	0.33897299	1.10312764	0.9653423
A_55_P2121	1531.2	Detected	1108.7	Detected	1018.1	Detected	593.1	Detected	Omp	0.38734326	0.66490334	0.53495084	0.9182827
A_55_P2179	59.5	Detected	29.1	Detected	24.9	Detected	23	Not Detect	C230013L11Rik	0.386554622	0.41848739	0.79037801	0.8556701
A_55_P1985	25.1	Detected	20.1	Detected	13.8	Not Detect	9.7	Not Detect	Trhr2	0.386454183	0.5498008	0.48258706	0.6865672
A_55_P1976	42.7	Detected	34.3	Detected	20.5	Detected	16.5	Not Detect	Tmod2	0.386416862	0.48009368	0.48104956	0.5976676
A_51_P1044	1266.2	Detected	656.9	Detected	560	Detected	488.2	Detected	Dusp10	0.385563102	0.4422682	0.7431877	0.852489
A_55_P2101	34.5	Detected	32.2	Detected	18.2	Detected	13.3	Not Detect	Ces2f	0.385507246	0.52753623	0.41304348	0.5652174
A_55_P2427	27.5	Detected	19.5	Detected	11.6	Not Detect	10.6	Not Detect	C430002N11Rik	0.385454545	0.42181818	0.54358974	0.5948718
A_55_P2370	74.8	Detected	63.6	Detected	45.8	Detected	28.8	Not Detect	8430406P12Rik	0.385026738	0.61229947	0.45283019	0.7201258
A_51_P2437	352.4	Detected	379.3	Detected	62	Detected	135.6	Detected	Slc10a2	0.384790011	0.17593644	0.35750066	0.163459
A_51_P4620	24.7	Detected	66.5	Detected	3.4	Not Detect	9.5	Not Detect	4930562F07Rik	0.384615385	0.13765182	0.14285714	0.0511278
A_55_P2174	27.3	Detected	36.3	Detected	11.9	Not Detect	10.5	Not Detect	Slco5a1	0.384615385	0.43589744	0.2892562	0.3278237
A_51_P2370	493.8	Detected	389.1	Detected	147.5	Detected	189.8	Detected	Nog	0.38436614	0.29870393	0.48779234	0.3790799
A_55_P2192	26.3	Detected	6.2	Not Detect	5.7	Not Detect	10.1	Not Detect	Lepr	0.384030418	0.21673004	1.62903226	0.9193548
A_52_P4342	28.4	Detected	16	Not Detect	5.3	Not Detect	10.9	Not Detect	Dixdc1	0.383802817	0.18661972	0.68125	0.33125

A_55_P2109	70.4 Detected	52.2 Detected	40 Detected	27 Not Detect Shb	0.383522727	0.56818182	0.51724138	0.7662835
A_55_P2056	24 Detected	28.1 Detected	9.2 Not Detect	9.2 Not Detect Col16a1	0.383333333	0.38333333	0.32740214	0.3274021
A_55_P2170	223.5 Detected	30.6 Detected	145.2 Detected	85.6 Detected Arhgap26	0.382997763	0.64966443	2.79738562	4.745098
A_55_P1984	22.2 Detected	13.7 Not Detect	20.1 Detected	8.5 Not Detect Olfr1413	0.382882883	0.90540541	0.62043796	1.4671533
A_51_P4319	109.3 Detected	89.4 Detected	42.5 Detected	41.8 Not Detect Gfod1	0.382433669	0.38883806	0.46756152	0.4753915
A_55_P1971	5939.7 Detected	1161.1 Detected	3561.4 Detected	2270 Detected Gzme	0.382174184	0.59959257	1.95504263	3.0672638
A_55_P1986	64.9 Detected	55.7 Detected	22 Detected	24.8 Not Detect Nkpd1	0.382126348	0.33898305	0.44524237	0.3949731
A_51_P3839	151.4 Detected	33.5 Detected	118.5 Detected	57.8 Detected	4-Sep 0.381770145	0.78269485	1.72537313	3.5373134
A_66_P1100	22.8 Detected	33.8 Detected	10.3 Not Detect	8.7 Not Detect Gm12794	0.381578947	0.45175439	0.25739645	0.3047337
A_51_P3554	44.6 Detected	21.5 Detected	16 Not Detect	17 Not Detect Trib1	0.381165919	0.35874439	0.79069767	0.744186
A_51_P1193	26.5 Detected	50 Detected	20 Detected	10.1 Not Detect 1700003F12Rik	0.381132075	0.75471698	0.202	0.4
A_51_P2201	23.1 Detected	13 Not Detect	3.1 Not Detect	8.8 Not Detect Notch3	0.380952381	0.13419913	0.67692308	0.2384615
A_52_P5223	583.8 Detected	361.9 Detected	211.1 Detected	222.4 Detected Zak	0.380952381	0.36159644	0.6145344	0.5833103
A_55_P2131	1455 Detected	762.5 Detected	804.1 Detected	554.2 Detected Sox4	0.380893471	0.55264605	0.72681967	1.0545574
A_55_P2002	5082.6 Detected	3098.7 Detected	2324.7 Detected	1935.2 Detected Rgs12	0.38075001	0.45738402	0.62451996	0.7502178
A_55_P1955	34631.4 Detected	30088.2 Detected	19412.9 Detected	13180.5 Detected Specc1	0.380593912	0.56055776	0.4380621	0.6451998
A_55_P2002	2330.9 Detected	1314 Detected	1223.6 Detected	886.2 Detected Stx16	0.380196491	0.52494745	0.67442922	0.9312024
A_52_P1711	52.4 Detected	32.9 Detected	49.8 Detected	19.9 Not Detect Ccdc33	0.379770992	0.95038168	0.60486322	1.5136778
A_52_P3389	84.8 Detected	143.3 Detected	43.5 Detected	32.2 Not Detect Aspg	0.379716981	0.5129717	0.22470342	0.303559
A_55_P2127	26.6 Detected	16.7 Not Detect	6.7 Not Detect	10.1 Not Detect Dhx34	0.379699248	0.2518797	0.60479042	0.4011976
A_55_P2001	22.4 Detected	13.7 Not Detect	14.4 Not Detect	8.5 Not Detect Il19	0.379464286	0.64285714	0.62043796	1.0510949
A_55_P2236	1758.8 Detected	836.6 Detected	684.8 Detected	666.6 Detected Ppap2a	0.379008415	0.38935638	0.79679656	0.8185513
A_66_P1080	1152.6 Detected	4063.7 Detected	45.5 Detected	436.7 Detected Ttc39c	0.378882526	0.03947597	0.10746364	0.0111967
A_55_P2137	22.7 Detected	3 Not Detect	3.1 Not Detect	8.6 Not Detect Mpdz	0.378854626	0.13656388	2.86666667	1.0333333
A_55_P1998	11788.1 Detected	8847.5 Detected	6573.2 Detected	4465.5 Detected Ifitm2	0.378814228	0.55761319	0.50471885	0.7429443
A_51_P3018	9047.1 Detected	3933.5 Detected	5665.4 Detected	3422.1 Detected St3gal1	0.378253805	0.62621171	0.86998856	1.4402949
A_55_P2181	41.3 Detected	38.4 Detected	24.8 Detected	15.6 Not Detect Gm5782	0.377723971	0.60048426	0.40625	0.6458333
A_55_P2306	25.2 Detected	18.6 Detected	18.8 Detected	9.5 Not Detect 4933408A14Rik	0.376984127	0.74603175	0.51075269	1.0107527
A_52_P3721	1507.3 Detected	1254.6 Detected	1060.4 Detected	567.1 Detected Ctnnal1	0.376235653	0.70350959	0.45201658	0.8452096
A_55_P2091	1009.9 Detected	181 Detected	868.3 Detected	379.6 Detected Fas	0.3758788	0.8597881	2.09723757	4.7972376
A_66_P1262	96.9 Detected	64.2 Detected	126 Detected	36.4 Not Detect Itgb3	0.375644995	1.3003096	0.56697819	1.9626168
A_55_P2000	232.7 Detected	180.9 Detected	92.3 Detected	87.4 Detected 2610203C20Rik	0.37559089	0.39664804	0.48313986	0.5102266
A_55_P2128	26.1 Detected	77.3 Detected	7.7 Not Detect	9.8 Not Detect Kik6	0.375478927	0.29501916	0.12677878	0.0996119
A_52_P4945	6316 Detected	2424 Detected	760.5 Detected	2370.3 Detected Fbxl16	0.375284991	0.12040849	0.97784653	0.3137376
A_55_P2136	98.1 Detected	58.1 Detected	60.6 Detected	36.8 Not Detect D930016D06Rik	0.375127421	0.617737	0.63339071	1.0430293
A_55_P2187	1576.3 Detected	318.7 Detected	4053.2 Detected	591.1 Detected Sncg	0.37499207	2.57133794	1.85472231	12.717917
A_52_P4892	3451.1 Detected	1728.1 Detected	1778 Detected	1293.1 Detected Adamts1	0.374692127	0.51519805	0.74827846	1.0288756
A_52_P2622	774 Detected	558.2 Detected	446.2 Detected	290 Detected Fos	0.374677003	0.57648579	0.51952705	0.7993551
A_52_P3212	28.3 Detected	7 Not Detect	3.8 Not Detect	10.6 Not Detect 4930544M13Rik	0.374558304	0.13427562	1.51428571	0.5428571
A_55_P2061	26.7 Detected	24.5 Detected	10.1 Not Detect	10 Not Detect Cdh24	0.374531835	0.37827715	0.40816327	0.4122449

A_55_P2097	11962.1	Detected	7030.7	Detected	4483.8	Detected	4474	Detected	Mcc	0.374014596	0.37483385	0.636352	0.6377459
A_55_P1983	29.5	Detected	79.2	Detected	3.8	Not Detect	11	Not Detect	Pcp411	0.372881356	0.12881356	0.13888889	0.0479798
A_66_P1377	86.9	Detected	79.6	Detected	29.5	Detected	32.4	Not Detect	Gpr161	0.372842348	0.33947066	0.40703518	0.370603
A_55_P1968	408.6	Detected	290	Detected	287.6	Detected	152.2	Detected	Rpgr	0.372491434	0.70386686	0.52482759	0.9917241
A_55_P2034	194.8	Detected	98.1	Detected	176.4	Detected	72.5	Detected	Vav2	0.372176591	0.90554415	0.73904179	1.7981651
A_51_P4640	8306.2	Detected	4396.5	Detected	3987.6	Detected	3089.9	Detected	Chst12	0.371999229	0.48007512	0.70280905	0.9069942
A_51_P4744	18758.4	Detected	7239.3	Detected	8821.5	Detected	6970.4	Detected	Socs3	0.371588195	0.47026932	0.96285552	1.218557
A_55_P2038	156.1	Detected	96.6	Detected	64.6	Detected	58	Detected	Gas7	0.371556694	0.41383728	0.60041408	0.6687371
A_51_P1456	166.9	Detected	121.2	Detected	70	Detected	61.9	Detected	Clec4g	0.370880767	0.41941282	0.51072607	0.5775578
A_55_P2132	38.3	Detected	15.1	Not Detect	29	Detected	14.2	Not Detect	Gm13247	0.37075718	0.75718016	0.94039735	1.9205298
A_51_P1655	7513.4	Detected	3246.8	Detected	213	Detected	2785.2	Detected	Twist2	0.370697687	0.02834935	0.85782925	0.0656031
A_55_P2049	762	Detected	376.9	Detected	397.8	Detected	281.6	Detected	Atat1	0.369553806	0.52204724	0.74714778	1.0554524
A_52_P6256	292.7	Detected	288.7	Detected	97.1	Detected	108.1	Detected	Stau2	0.369320123	0.33173898	0.37443713	0.3363353
A_55_P2000	610.6	Detected	466.5	Detected	388.9	Detected	225.5	Detected	Kirrel	0.369308877	0.63691451	0.48338692	0.8336549
A_55_P2131	385.4	Detected	201.3	Detected	248.7	Detected	142.3	Detected	Echdc3	0.369226777	0.64530358	0.70690512	1.2354694
A_55_P2011	144.9	Detected	124.4	Detected	105.1	Detected	53.5	Detected	Gramd1a	0.369220152	0.72532781	0.43006431	0.8448553
A_55_P2038	34.2	Detected	11.9	Not Detect	14.8	Not Detect	12.6	Not Detect	Zfp369	0.368421053	0.43274854	1.05882353	1.2436975
A_52_P1805	177.7	Detected	126.3	Detected	137.6	Detected	65.3	Detected	Epb4.1l5	0.36747327	0.77433877	0.51702296	1.0894695
A_55_P2123	3329.4	Detected	2355.4	Detected	1524.4	Detected	1222	Detected	Cbfa2t3	0.367033099	0.45786028	0.51880785	0.6471937
A_51_P2825	772.2	Detected	442.8	Detected	49.1	Detected	283.4	Detected	Gpr124	0.367003367	0.06358456	0.64001807	0.1108853
A_55_P1998	2610.5	Detected	1712.1	Detected	598.4	Detected	957.8	Detected	C1qtnf1	0.366902892	0.22922812	0.55942994	0.3495123
A_51_P3336	2684.1	Detected	12321.8	Detected	2111.2	Detected	983.4	Detected	2010300C02Rik	0.366379792	0.78655788	0.07980977	0.1713386
A_51_P3948	22196.3	Detected	4617.4	Detected	9559.2	Detected	8125.6	Detected	Tshz1	0.366079031	0.43066637	1.75977823	2.070256
A_55_P2053	36.9	Detected	87.9	Detected	49.6	Detected	13.5	Not Detect	Ivl	0.365853659	1.34417344	0.15358362	0.5642776
A_51_P5156	27.9	Detected	18	Not Detect	14.9	Not Detect	10.2	Not Detect	Col3a1	0.365591398	0.53405018	0.56666667	0.8277778
A_52_P2232	406.2	Detected	246.3	Detected	61.5	Detected	148.5	Detected	Zfp37	0.365583456	0.15140325	0.60292326	0.2496955
A_55_P2047	8984	Detected	7217.8	Detected	4504.4	Detected	3284.2	Detected	Pdgbf	0.365560997	0.50138023	0.45501399	0.6240683
A_55_P1968	564.2	Detected	2058.7	Detected	35.3	Detected	206.2	Detected	Krtap1-5	0.365473236	0.06256647	0.1001603	0.0171467
A_55_P1997	48.3	Detected	65.6	Detected	3.6	Not Detect	17.6	Not Detect	Faxc	0.364389234	0.07453416	0.26829268	0.054878
A_66_P1407	23.9	Detected	50.9	Detected	23.2	Detected	8.7	Not Detect	Adc	0.364016736	0.9707113	0.17092338	0.4557957
A_55_P1970	70.1	Detected	51.4	Detected	59.4	Detected	25.5	Not Detect	Ltbp2	0.363766049	0.84736091	0.49610895	1.155642
A_55_P2016	298.4	Detected	261.3	Detected	215.9	Detected	108.3	Detected	Ctnnal1	0.362935657	0.72352547	0.41446613	0.8262533
A_52_P1612	385.5	Detected	252.1	Detected	307.1	Detected	139.9	Detected	Tcea3	0.362905318	0.79662776	0.55493852	1.2181674
A_55_P2040	2211.2	Detected	737	Detected	577.4	Detected	802.4	Detected	Pmp22	0.362879884	0.26112518	1.08873813	0.7834464
A_55_P1992	23.7	Detected	5.8	Not Detect	28.4	Detected	8.6	Not Detect	LOC101056017	0.362869198	1.19831224	1.48275862	4.8965517
A_55_P2009	75.9	Detected	36.4	Detected	49.7	Detected	27.5	Not Detect	Mapkapk3	0.362318841	0.65480896	0.75549451	1.3653846
A_55_P2024	144.6	Detected	140.5	Detected	95.1	Detected	52.3	Detected	Atxn7l1	0.361687414	0.65767635	0.37224199	0.6768683
A_52_P3680	624.4	Detected	296.7	Detected	171.5	Detected	225.8	Detected	Slc7a11	0.361627162	0.27466368	0.76103809	0.5780249
A_55_P1963	725	Detected	277.3	Detected	363.3	Detected	261.3	Detected	Mbd5	0.360413793	0.50110345	0.94230076	1.3101334
A_55_P2126	1583.2	Detected	1024	Detected	1274	Detected	570.5	Detected	Cav1	0.360346134	0.80469934	0.55712891	1.2441406

A_55_P2048	163.5 Detected	149.5 Detected	55.7 Detected	58.9 Detected	Fggy	0.360244648	0.34067278	0.39397993	0.3725753
A_52_P3950	39.7 Detected	23.6 Detected	81.2 Detected	14.3 Not Detect	Gm5077	0.360201511	2.04534005	0.6059322	3.440678
A_55_P2123	25 Detected	4.2 Not Detect	8.9 Not Detect	9 Not Detect	Zic5	0.36	0.356	2.14285714	2.1190476
A_66_P1344	112.8 Detected	184.5 Detected	42.3 Detected	40.6 Not Detect	Lif	0.359929078	0.375	0.2200542	0.2292683
A_55_P2011	2552.9 Detected	2154.2 Detected	1815.2 Detected	918.3 Detected	Gramd1a	0.359708567	0.71103451	0.42628354	0.842633
A_55_P2063	273.4 Detected	227.6 Detected	164 Detected	98.3 Detected	Dusp5	0.359546452	0.59985369	0.43189807	0.7205624
A_55_P2027	717.6 Detected	123.5 Detected	936.4 Detected	258 Detected	Shc2	0.359531773	1.30490524	2.08906883	7.5821862
A_55_P1952	10162.2 Detected	4069 Detected	19404.9 Detected	3653.3 Detected	Fkbp5	0.359498927	1.90951762	0.89783731	4.7689604
A_55_P2013	27.9 Detected	16.8 Not Detect	14.1 Not Detect	10 Not Detect	Gm9573	0.358422939	0.50537634	0.5952381	0.8392857
A_52_P2208	27.9 Detected	45.3 Detected	3.5 Not Detect	10 Not Detect	Trib2	0.358422939	0.12544803	0.22075055	0.0772627
A_51_P2015	29.3 Detected	42.1 Detected	13 Not Detect	10.5 Not Detect	Rln3	0.358361775	0.44368601	0.24940618	0.3087886
A_55_P2219	191.5 Detected	307.4 Detected	126.7 Detected	68.6 Detected	Hoxa4	0.358224543	0.6616188	0.223162	0.4121666
A_55_P1982	26.8 Detected	31.7 Detected	17.8 Detected	9.6 Not Detect	Icam2	0.358208955	0.6641791	0.30283912	0.5615142
A_52_P1879	602.1 Detected	381.9 Detected	221.9 Detected	215.6 Detected	Lfng	0.358080053	0.36854343	0.56454569	0.5810422
A_55_P2373	99.3 Detected	21.5 Detected	34.9 Detected	35.5 Not Detect	A730009E18Rik	0.357502518	0.35146022	1.65116279	1.6232558
A_52_P6384	354 Detected	1048.5 Detected	85.6 Detected	126.5 Detected	Ccl5	0.357344633	0.24180791	0.12064855	0.0816404
A_55_P2417	44036.5 Detected	11691.6 Detected	5323 Detected	15716.3 Detected	Prrx2	0.356892578	0.120877	1.3442386	0.4552841
A_52_P3238	975.5 Detected	576 Detected	481 Detected	347.8 Detected	Tnfrsf22	0.35653511	0.49308047	0.60381944	0.8350694
A_52_P1313	46 Detected	21 Detected	16.2 Detected	16.4 Not Detect	Camk1d	0.356521739	0.35217391	0.78095238	0.7714286
A_51_P4414	411.6 Detected	288.3 Detected	162.3 Detected	146.7 Detected	BC100451	0.356413994	0.39431487	0.50884495	0.5629553
A_55_P2017	27 Detected	24.5 Detected	16.3 Not Detect	9.6 Not Detect	1700022P22Rik	0.355555556	0.6037037	0.39183673	0.6653061
A_51_P4913	3049.7 Detected	2689.7 Detected	6.5 Not Detect	1084.3 Compromis	Col4a2	0.355543168	0.00213136	0.40313046	0.0024166
A_51_P2201	492.8 Detected	373.1 Detected	236.4 Detected	175.2 Detected	Nfatc1	0.355519481	0.47970779	0.4695792	0.6336103
A_55_P2244	24.2 Detected	70.2 Detected	12.7 Not Detect	8.6 Not Detect	D730045A05Rik	0.355371901	0.52479339	0.12250712	0.1809117
A_55_P2133	17289.2 Detected	10697.3 Detected	8230.8 Detected	6134.4 Detected	9-Mar	0.354811096	0.47606598	0.57345311	0.7694278
A_55_P2265	25.1 Detected	4.1 Not Detect	3.2 Not Detect	8.9 Not Detect	4930432O09Rik	0.354581673	0.12749004	2.17073171	0.7804878
A_52_P1166	250.2 Detected	350 Detected	74.4 Detected	88.7 Detected	8430419L09Rik	0.354516387	0.29736211	0.25342857	0.2125714
A_55_P2109	8839.9 Detected	3866.6 Detected	2675.5 Detected	3131.2 Detected	Ahr	0.354212152	0.30266179	0.80980707	0.6919516
A_55_P1971	6320.9 Detected	1183.1 Detected	3678 Detected	2237.6 Detected	Gzme	0.354000221	0.58187916	1.89130251	3.108782
A_65_P1091	3956.6 Detected	9499.8 Detected	939.3 Detected	1400.4 Detected	Tgfb2	0.353940252	0.2374008	0.14741363	0.0988758
A_51_P2640	70.5 Detected	57.8 Detected	32.8 Detected	24.9 Not Detect	Rab36	0.353191489	0.46524823	0.43079585	0.567474
A_66_P1362	28.6 Detected	12 Not Detect	18.7 Detected	10.1 Not Detect	Cnbd2	0.353146853	0.65384615	0.84166667	1.5583333
A_52_P1950	72.5 Detected	208 Detected	269.1 Detected	25.6 Not Detect	Arap3	0.353103448	3.71172414	0.12307692	1.29375
A_66_P1136	323 Detected	40.3 Detected	81.8 Detected	113.8 Detected	Ripply1	0.352321981	0.25325077	2.82382134	2.0297767
A_51_P2528	12465.1 Detected	30139.1 Detected	2498.1 Detected	4390.1 Detected	Cyr61	0.352191318	0.20040754	0.14566128	0.0828857
A_51_P3804	14411.6 Detected	9983.9 Detected	11559.5 Detected	5074.8 Detected	Scx	0.352133004	0.80209692	0.50829836	1.1578141
A_55_P2030	79 Detected	18 Detected	14.8 Not Detect	27.8 Not Detect	Ifna7	0.351898734	0.18734177	1.54444444	0.8222222
A_55_P2042	27.3 Detected	18.3 Detected	15.8 Not Detect	9.6 Not Detect	Prune2	0.351648352	0.57875458	0.52459016	0.863388
A_52_P5735	7883.8 Detected	3782.7 Detected	4485.4 Detected	2769.8 Detected	Trib1	0.35132804	0.56893884	0.7322283	1.1857668
A_55_P2074	781.9 Detected	588 Detected	442.7 Detected	274.4 Detected	Zfp184	0.350940018	0.56618493	0.46666667	0.7528912

A_51_P4040	12635	Detected	8871.3	Detected	5889.8	Detected	4433.3	Detected	Fzd2	0.350874555	0.46614958	0.4997351	0.6639162
A_55_P2128	460.3	Detected	489.7	Detected	69.5	Detected	161.2	Detected	Wbscr27	0.350206387	0.15098849	0.32918113	0.1419236
A_55_P2008	25.7	Detected	35.8	Detected	39.1	Detected	9	Not Detect	Tmsb15b1	0.350194553	1.52140078	0.25139665	1.0921788
A_55_P2181	10657.3	Detected	7084.8	Detected	3046	Detected	3729.9	Detected	A430105I19Rik	0.349985456	0.28581348	0.52646511	0.4299345
A_55_P2144	26.3	Detected	37.2	Detected	5	Not Detect	9.2	Not Detect	Hecw2	0.349809886	0.19011407	0.24731183	0.1344086
A_51_P4789	125.8	Detected	50.8	Detected	19.4	Detected	44	Not Detect	N4bp2I1	0.349761526	0.15421304	0.86614173	0.3818898
A_55_P2239	141.6	Detected	392.2	Detected	124.3	Detected	49.5	Detected	Afap1I1	0.349576271	0.87782486	0.12621112	0.3169301
A_51_P5108	29.2	Detected	41.4	Detected	3.7	Not Detect	10.2	Not Detect	Adam12	0.349315068	0.12671233	0.24637681	0.089372
A_55_P2076	6226.4	Detected	3685.2	Detected	164.9	Detected	2172.9	Detected	Tead2	0.348981755	0.026484	0.58962879	0.0447466
A_55_P2172	6921.7	Detected	1576.3	Detected	1685.9	Detected	2413.9	Detected	Scarf2	0.348743806	0.24356733	1.53137093	1.0695299
A_51_P3846	138.1	Detected	197.6	Detected	32.7	Detected	48.1	Not Detect	Kirrel3	0.348298335	0.23678494	0.24342105	0.1654858
A_55_P2175	143.3	Detected	108.4	Detected	22.1	Detected	49.9	Detected	Gm10375	0.348220516	0.15422191	0.4603321	0.2038745
A_51_P1710	27.3	Detected	59.9	Detected	21.3	Detected	9.5	Not Detect	Csf2	0.347985348	0.78021978	0.15859766	0.3555927
A_55_P2059	4201.2	Detected	2264.7	Detected	2371.9	Detected	1459.7	Detected	Chst14	0.347448348	0.56457679	0.64454453	1.0473352
A_52_P4969	67.4	Detected	94.9	Detected	92.1	Detected	23.4	Not Detect	Mgat4a	0.347181009	1.36646884	0.24657534	0.9704953
A_52_P6402	37.5	Detected	35.8	Detected	14.5	Not Detect	13	Not Detect	Fmnl2	0.346666667	0.38666667	0.36312849	0.4050279
A_55_P2014	26	Detected	45.8	Detected	5.9	Not Detect	9	Not Detect	Vmn1r44	0.346153846	0.22692308	0.19650655	0.128821
A_55_P1958	345.8	Detected	229.7	Detected	87.4	Detected	119.6	Detected	Adam12	0.345864662	0.25274725	0.52067915	0.3804963
A_55_P2051	27.5	Detected	6.4	Not Detect	3.8	Not Detect	9.5	Not Detect	Psg22	0.345454545	0.13818182	1.484375	0.59375
A_55_P2263	116.8	Detected	44.6	Detected	83.5	Detected	40.3	Not Detect	Hal	0.345034247	0.71489726	0.90358744	1.8721973
A_51_P2401	27.6	Detected	23.2	Detected	8.1	Not Detect	9.5	Not Detect	Gng8	0.344202899	0.29347826	0.40948276	0.3491379
A_55_P2072	43	Detected	51.4	Detected	3.2	Not Detect	14.8	Not Detect	Pcdhb16	0.344186047	0.0744186	0.28793774	0.0622568
A_55_P2136	86.9	Detected	33.5	Detected	92.3	Detected	29.9	Not Detect	LOC628110	0.344073648	1.06214039	0.89253731	2.7552239
A_66_P1265	25.6	Detected	3.1	Not Detect	4.7	Not Detect	8.8	Not Detect	Trabd2b	0.34375	0.18359375	2.83870968	1.516129
A_52_P3892	24.8	Detected	13.5	Not Detect	3	Not Detect	8.5	Not Detect	Fam115a	0.342741935	0.12096774	0.62962963	0.2222222
A_52_P4595	29.8	Detected	35.7	Detected	27.6	Detected	10.2	Not Detect	Itga2b	0.342281879	0.9261745	0.28571429	0.7731092
A_55_P2091	30.7	Detected	28.3	Detected	18.8	Not Detect	10.5	Not Detect	Gm10375	0.342019544	0.61237785	0.37102473	0.664311
A_51_P4389	2650.1	Detected	485.7	Detected	4.5	Not Detect	905.7	Detected	Gpnmb	0.341760688	0.00169805	1.86473132	0.009265
A_51_P3660	37.2	Detected	41.6	Detected	16.5	Not Detect	12.7	Not Detect	Fscn1	0.341397849	0.44354839	0.30528846	0.3966346
A_51_P4753	4617.8	Detected	1843.9	Detected	5151.7	Detected	1575.5	Detected	Echdc3	0.341179783	1.11561783	0.85443896	2.7939151
A_55_P2187	1726.8	Detected	703.8	Detected	1152.1	Detected	587.3	Detected	Tpm1	0.340108872	0.66718786	0.83447002	1.6369707
A_55_P2069	71.3	Detected	30.5	Detected	30	Detected	24.2	Not Detect	Prr18	0.33941094	0.42075736	0.79344262	0.9836066
A_55_P2015	653.5	Detected	225.1	Detected	332.1	Detected	221.8	Detected	Plcg1	0.339403213	0.50818669	0.98533985	1.4753443
A_52_P3989	55.4	Detected	128.4	Detected	3.5	Not Detect	18.8	Not Detect	Gfra1	0.339350181	0.0631769	0.14641745	0.0272586
A_55_P2037	257.2	Detected	347.7	Detected	87.3	Detected	87.2	Detected	Trpm6	0.33903577	0.33942457	0.25079091	0.2510785
A_55_P2167	52.6	Detected	13.4	Not Detect	25.7	Detected	17.8	Not Detect	Zfp944	0.338403042	0.48859316	1.32835821	1.9179104
A_52_P6122	27.2	Detected	17	Detected	23.1	Detected	9.2	Not Detect	Wtap	0.338235294	0.84926471	0.54117647	1.3588235
A_55_P2002	56096.2	Detected	36040.2	Detected	21.4	Detected	18959.5	Detected	Blnk	0.337981895	0.00038149	0.52606534	0.0005938
A_55_P2084	72.5	Detected	35.7	Detected	36.7	Detected	24.5	Not Detect	Hist1h2ac	0.337931034	0.5062069	0.68627451	1.0280112
A_55_P2082	5608.5	Detected	2568	Detected	3128.5	Detected	1895.1	Detected	Trib1	0.337897834	0.55781403	0.73796729	1.2182632

A_66_P1048	2003.9	Detected	1185.8	Detected	726.3	Detected	676.1	Detected	Ecm1	0.337392085	0.36244324	0.5701636	0.6124979
A_52_P6637	99.7	Detected	341.8	Detected	38	Detected	33.6	Not Detect	Podnl1	0.337011033	0.38114343	0.0983031	0.1111761
A_55_P2145	2030.7	Detected	2983.4	Detected	509.2	Detected	683.2	Detected	Dmpk	0.336435712	0.25075097	0.22900047	0.1706778
A_55_P2104	1491.8	Detected	1170	Detected	195.3	Detected	501.8	Detected	Asic1	0.336372168	0.13091567	0.42888889	0.1669231
A_55_P2069	49.7	Detected	50.6	Detected	3.3	Not Detect	16.7	Not Detect	AI429214	0.336016097	0.06639839	0.33003953	0.0652174
A_51_P2741	27.7	Detected	7.9	Not Detect	9.4	Not Detect	9.3	Not Detect	2310001K24Rik	0.335740072	0.33935018	1.17721519	1.1898734
A_51_P3121	1980.8	Detected	660.8	Detected	304.3	Detected	664.7	Detected	Xdh	0.335571486	0.1536248	1.00590194	0.4605024
A_52_P6835	92.5	Detected	30	Detected	3.6	Not Detect	31	Not Detect	Tbc1d9	0.335135135	0.03891892	1.03333333	0.12
A_55_P2106	3397.6	Detected	1883	Detected	1121	Detected	1137.7	Detected	Fam171a1	0.334854015	0.32993878	0.60419543	0.5953266
A_55_P2053	74.4	Detected	47	Detected	49.6	Detected	24.9	Not Detect	Ppp2r3a	0.334677419	0.66666667	0.52978723	1.0553191
A_66_P1142	28.4	Detected	3.3	Not Detect	4.5	Not Detect	9.5	Not Detect	Zic5	0.334507042	0.1584507	2.87878788	1.3636364
A_66_P1359	33.5	Detected	24.8	Detected	4.3	Not Detect	11.2	Not Detect	Metrn1	0.334328358	0.12835821	0.4516129	0.1733871
A_55_P2129	21413.7	Detected	11967.9	Detected	538.7	Detected	7153.4	Detected	Tead2	0.334057169	0.02515679	0.59771556	0.0450121
A_66_P1396	48.5	Detected	32.2	Detected	29.4	Detected	16.2	Not Detect	Zbp1	0.334020619	0.60618557	0.50310559	0.9130435
A_55_P1971	109466.2	Detected	33284.1	Detected	76535.9	Detected	36511	Detected	Tmem176b	0.333536745	0.69917381	1.0969502	2.2994733
A_51_P4965	29.4	Detected	56.3	Detected	20.2	Detected	9.8	Not Detect	Sh2d1b1	0.333333333	0.68707483	0.1740675	0.3587922
A_55_P2179	30.3	Detected	20.5	Detected	38.6	Detected	10.1	Not Detect	Prickle4	0.333333333	1.27392739	0.49268293	1.8829268
A_51_P4053	45075.1	Detected	25440.4	Detected	17332.6	Detected	15011.3	Detected	Ecm1	0.333028657	0.38452716	0.59005755	0.6813022
A_51_P3384	1903.8	Detected	5333.7	Detected	269.1	Detected	632.5	Detected	Angptl4	0.332230276	0.14134888	0.1185856	0.0504528
A_52_P2261	2283.9	Detected	908.7	Detected	1528.8	Detected	758.6	Detected	Dido1	0.332151145	0.66938132	0.83481897	1.6824034
A_55_P2337	72.7	Detected	32.5	Detected	48.1	Detected	24.1	Not Detect	Mid1	0.331499312	0.66162311	0.74153846	1.48
A_55_P2038	168.9	Detected	77.4	Detected	89.6	Detected	55.9	Detected	Psg16	0.330965068	0.53049142	0.72222222	1.1576227
A_51_P3030	426.5	Detected	121.5	Detected	102.1	Detected	141.1	Detected	Ttc28	0.330832356	0.23939039	1.16131687	0.8403292
A_55_P2297	84.7	Detected	51	Detected	60.9	Detected	28	Not Detect	Mapkbp1	0.330578512	0.71900826	0.54901961	1.1941176
A_55_P2187	2495.1	Detected	1047.5	Detected	1666.4	Detected	822.1	Detected	Tpm1	0.329485792	0.66786902	0.784821	1.5908353
A_51_P4399	33.4	Detected	10.7	Not Detect	14.6	Not Detect	11	Not Detect	Gp5	0.329341317	0.43712575	1.02803738	1.364486
A_55_P2053	502.1	Detected	307.3	Detected	83.1	Detected	165.2	Detected	Mast4	0.329018124	0.16550488	0.53758542	0.2704198
A_52_P6783	25.9	Detected	3	Not Detect	6.3	Not Detect	8.5	Not Detect	Slc22a14	0.328185328	0.24324324	2.83333333	2.1
A_51_P1921	102.7	Detected	41.5	Detected	60.8	Detected	33.7	Not Detect	Zfp74	0.328140214	0.59201558	0.81204819	1.4650602
A_51_P1177	483.2	Detected	307.1	Detected	100.3	Detected	157.8	Detected	Figf	0.326572848	0.2075745	0.51383914	0.3266037
A_51_P3176	973	Detected	2603	Detected	185.6	Detected	317.1	Detected	Tgfb2	0.325899281	0.19075026	0.12182098	0.0713023
A_55_P2068	25.5	Detected	2.9	Not Detect	3	Not Detect	8.3	Not Detect	Gm20878	0.325490196	0.11764706	2.86206897	1.0344828
A_55_P1997	28.6	Detected	36.1	Detected	175.1	Detected	9.3	Not Detect	Slc6a19	0.325174825	6.12237762	0.25761773	4.8504155
A_55_P2006	31.7	Detected	22.6	Detected	53.7	Detected	10.3	Not Detect	Cxcl17	0.324921136	1.69400631	0.45575221	2.3761062
A_52_P6547	34.8	Detected	16.2	Not Detect	9.6	Not Detect	11.3	Not Detect	Trim69	0.324712644	0.27586207	0.69753086	0.5925926
A_55_P2089	26.2	Detected	20.8	Detected	24.6	Detected	8.5	Not Detect	Myo3a	0.324427481	0.9389313	0.40865385	1.1826923
A_55_P2073	26.2	Detected	21.6	Detected	19.5	Detected	8.5	Not Detect	1700091H14Rik	0.324427481	0.74427481	0.39351852	0.9027778
A_66_P1310	32.1	Detected	7.7	Not Detect	3.7	Not Detect	10.4	Not Detect	Olfir792	0.323987539	0.1152648	1.35064935	0.4805195
A_55_P2324	155	Detected	181.5	Detected	34.7	Detected	50.2	Detected	5830403F22Rik	0.323870968	0.22387097	0.27658402	0.1911846
A_55_P2094	7271.3	Detected	4342.8	Detected	2503.6	Detected	2349.5	Detected	Fam171a1	0.323119662	0.34431257	0.54101041	0.5764944

A_52_P5158	31.9	Detected	24.3	Detected	3.7	Not Detect	10.3	Not Detect	Vsnl1	0.322884013	0.11598746	0.42386831	0.1522634
A_55_P2078	250.6	Detected	165.6	Detected	215.3	Detected	80.8	Detected	Rgs12	0.322426177	0.85913807	0.48792271	1.3001208
A_52_P5152	155.4	Detected	1651	Detected	13.8	Not Detect	50.1	Not Detect	Arhgdib	0.322393822	0.08880309	0.03034525	0.0083586
A_51_P2302	57.5	Detected	81.6	Detected	16.9	Not Detect	18.5	Not Detect	Sorcs2	0.32173913	0.29391304	0.22671569	0.2071078
A_52_P1961	5774.8	Detected	1871.6	Detected	2160.9	Detected	1856.1	Detected	Ttyh3	0.321413729	0.37419478	0.99171832	1.1545736
A_51_P4699	1238.8	Detected	644.9	Detected	918.3	Detected	396.8	Detected	H2-M3	0.320309977	0.74128189	0.61528919	1.4239417
A_51_P5015	102.4	Detected	20.5	Detected	54.7	Detected	32.7	Not Detect	Tm4sf20	0.319335938	0.53417969	1.59512195	2.6682927
A_55_P1957	32.3	Detected	22	Detected	48.2	Detected	10.3	Not Detect	Lilrb4	0.318885449	1.49226006	0.46818182	2.1909091
A_55_P1987	2040.6	Detected	1023.1	Detected	1060.8	Detected	650.2	Detected	Pigt	0.318631775	0.5198471	0.6355195	1.0368488
A_55_P1993	29.2	Detected	21.1	Detected	28.5	Detected	9.3	Not Detect	Vti1a	0.318493151	0.9760274	0.44075829	1.3507109
A_51_P4156	1939.1	Detected	1567	Detected	1330.2	Detected	616.6	Detected	Fkbp7	0.317982569	0.68598835	0.39349075	0.8488832
A_66_P1335	32.1	Detected	44.3	Detected	10.5	Not Detect	10.2	Not Detect	AK129341	0.317757009	0.3271028	0.23024831	0.2370203
A_55_P2168	29.9	Detected	7.8	Not Detect	3.4	Not Detect	9.5	Not Detect	Dok6	0.317725753	0.11371237	1.21794872	0.4358974
A_55_P2075	765.1	Detected	473.6	Detected	320.4	Detected	243	Detected	Tead3	0.317605542	0.41876879	0.51309122	0.6765203
A_55_P2035	728	Detected	195.3	Detected	79.6	Detected	230.8	Detected	Nkx1-1	0.317032967	0.10934066	1.18177163	0.4075781
A_55_P2149	751.5	Detected	337.3	Detected	185	Detected	237.9	Detected	Vasn	0.316566866	0.24617432	0.70530685	0.5484732
A_66_P1151	101.6	Detected	52.9	Detected	46.1	Detected	32.1	Not Detect	Cep85l	0.315944882	0.45374016	0.60680529	0.8714556
A_52_P5847	43.7	Detected	46.3	Detected	55.5	Detected	13.8	Not Detect	Prkar2a	0.315789474	1.27002288	0.29805616	1.1987041
A_55_P2165	29858.2	Detected	12179.1	Detected	15678.2	Detected	9396.9	Detected	Cebpbb	0.314717565	0.52508859	0.77155947	1.2873037
A_51_P2475	52.2	Detected	24.9	Detected	10.5	Not Detect	16.4	Not Detect	Ttll6	0.314176245	0.20114943	0.65863454	0.4216867
A_52_P8611	139.1	Detected	51.4	Detected	22.8	Detected	43.7	Not Detect	Serpina1b	0.314162473	0.16391086	0.85019455	0.4435798
A_55_P1985	34.4	Detected	17.2	Not Detect	17.9	Not Detect	10.8	Not Detect	Atp2b4	0.313953488	0.52034884	0.62790698	1.0406977
A_51_P1694	118.9	Detected	87.3	Detected	26.4	Detected	37.2	Not Detect	Parvb	0.312867956	0.22203532	0.42611684	0.3024055
A_52_P7802	47529.2	Detected	18083.2	Detected	33833.9	Detected	14863.3	Detected	Limd2	0.312719339	0.71185503	0.8219397	1.8710129
A_55_P2044	85.4	Detected	11.3	Not Detect	3.5	Not Detect	26.7	Not Detect	Syt7	0.31264637	0.04098361	2.36283186	0.3097345
A_55_P2034	244.6	Detected	154.2	Detected	128.4	Detected	76.3	Detected	Csf2rb2	0.311937858	0.52493868	0.49481193	0.8326848
A_55_P1966	732.2	Detected	287.8	Detected	159.9	Detected	228.3	Detected	Xaf1	0.311800055	0.21838296	0.79325921	0.5555942
A_55_P2127	30.8	Detected	14.4	Not Detect	53.7	Detected	9.6	Not Detect	Crp	0.311688312	1.74350649	0.66666667	3.7291667
A_52_P6859	1811	Detected	194.8	Detected	1840	Detected	563.8	Detected	Mettl7b	0.311319713	1.01601325	2.89425051	9.4455852
A_55_P1974	84.3	Detected	73.8	Detected	34.2	Detected	26.2	Not Detect	Gm2545	0.310794781	0.40569395	0.35501355	0.4634146
A_55_P2186	1403.7	Detected	1742.3	Detected	1265.5	Detected	433.8	Detected	Sphk1	0.309040393	0.90154591	0.24898123	0.7263387
A_55_P1955	927.2	Detected	856.2	Detected	510.3	Detected	286.5	Detected	Specc1	0.308994823	0.5503667	0.33461808	0.5960056
A_55_P1975	2513	Detected	1401.4	Detected	1465.5	Detected	776	Detected	1810009N02Rik	0.30879427	0.58316753	0.55373198	1.04574
A_55_P1961	47116.1	Detected	7887.3	Detected	3481.8	Detected	14535.4	Detected	Ly6c1	0.308501765	0.07389831	1.84288667	0.4414438
A_55_P1986	6706.3	Detected	5352.3	Detected	4880.6	Detected	2068.6	Detected	Sccpdh	0.308456228	0.72776345	0.38648805	0.9118697
A_55_P1975	109.8	Detected	3.5	Not Detect	1181	Detected	33.8	Not Detect	Ugt2b5	0.307832423	10.7559199	9.65714286	337.42857
A_51_P5036	180.4	Detected	15.1	Not Detect	1316.5	Detected	55.5	Detected	Gsta3	0.307649667	7.29767184	3.67549669	87.18543
A_51_P4757	74.2	Detected	130.5	Detected	85.7	Detected	22.8	Not Detect	Ivl	0.307277628	1.15498652	0.17471264	0.656705
A_51_P2671	234.7	Detected	30.3	Detected	35.2	Detected	71.9	Detected	Sgpp2	0.30634853	0.1499787	2.37293729	1.1617162
A_51_P1700	28.1	Detected	3.7	Not Detect	3.4	Not Detect	8.6	Not Detect	Olf1r1499	0.306049822	0.12099644	2.32432432	0.9189189

A_51_P4621	6888 Detected	5215.5 Detected	4567.2 Detected	2107.1 Detected	Gpr125	0.305908827	0.6630662	0.40400729	0.8756974
A_52_P5680	29.1 Detected	9.1 Not Detect	4.9 Not Detect	8.9 Not Detect	Slc25a40	0.305841924	0.16838488	0.97802198	0.5384615
A_55_P2091	51.4 Detected	28.5 Detected	33.9 Detected	15.7 Not Detect	Pea15b	0.305447471	0.65953307	0.55087719	1.1894737
A_51_P4568	29.5 Detected	5.8 Not Detect	3.2 Not Detect	9 Not Detect	Fbxl21	0.305084746	0.10847458	1.55172414	0.5517241
A_55_P1960	29.2 Detected	11.3 Not Detect	7.1 Not Detect	8.9 Not Detect	4933408B17Rik	0.304794521	0.24315068	0.78761062	0.6283186
A_51_P5170	533.5 Detected	648.4 Detected	189.1 Detected	162.5 Detected	Gatsl3	0.304592315	0.35445173	0.2506169	0.291641
A_55_P2122	1386.1 Detected	1420.4 Detected	1495.5 Detected	422.1 Detected	Prkar2b	0.304523483	1.07892648	0.29716981	1.0528724
A_51_P4872	7194.4 Detected	3016.5 Detected	1765.7 Detected	2190.8 Detected	Vasn	0.304514622	0.245427	0.72627217	0.5853473
A_51_P2610	49.3 Detected	34.4 Detected	24.1 Detected	15 Not Detect	Dlx5	0.304259635	0.48884381	0.43604651	0.7005814
A_55_P2061	41.5 Detected	79.6 Detected	16.8 Detected	12.6 Not Detect	Olfir95	0.303614458	0.40481928	0.15829146	0.2110553
A_55_P2135	1322 Detected	7255.3 Detected	616 Detected	400.6 Detected	Evl	0.303025719	0.46596067	0.05521481	0.0849034
A_55_P1958	32.5 Detected	3.5 Not Detect	3.4 Not Detect	9.8 Not Detect	H2bfm	0.301538462	0.10461538	2.8	0.9714286
A_55_P1989	75.7 Detected	35.4 Detected	26.1 Detected	22.8 Not Detect	Gm14124	0.301188904	0.34478203	0.6440678	0.7372881
A_52_P6688	32.9 Detected	8.6 Not Detect	3.5 Not Detect	9.9 Not Detect	9330154J02Rik	0.300911854	0.10638298	1.15116279	0.4069767
A_52_P5170	115.8 Detected	52 Detected	34.8 Detected	34.8 Not Detect	Tmeff2	0.300518135	0.30051813	0.66923077	0.6692308
A_55_P2059	44958.9 Detected	8267.9 Detected	15361.2 Detected	13509.8 Detected	Rbp1	0.300492227	0.34167206	1.63400622	1.8579325
A_55_P2087	267.8 Detected	2103.2 Detected	9.7 Not Detect	80.3 Detected	Ifitm1	0.299850635	0.03622106	0.03817992	0.004612
A_55_P2097	6507.3 Detected	1036.9 Detected	532.1 Detected	1948.6 Detected	Gda	0.299448312	0.0817697	1.87925547	0.5131642
A_51_P3255	33.1 Detected	7 Not Detect	14.8 Not Detect	9.9 Not Detect	Crip3	0.299093656	0.44712991	1.41428571	2.1142857
A_55_P2093	41.8 Detected	18.2 Detected	198.5 Detected	12.5 Not Detect	Pzp	0.299043062	4.74880383	0.68681319	10.906593
A_52_P4723	57.2 Detected	36.5 Detected	35 Detected	17.1 Not Detect	Fxyd6	0.298951049	0.61188811	0.46849315	0.9589041
A_55_P1971	7398 Detected	2056.4 Detected	4914.2 Detected	2197.1 Detected	Tmem176b	0.296985672	0.66426061	1.06842054	2.3897102
A_55_P2026	31.7 Detected	21.8 Detected	20.1 Detected	9.4 Not Detect	4930445E18Rik	0.296529968	0.6340694	0.43119266	0.9220183
A_55_P2036	4395.7 Detected	2339.5 Detected	1064.6 Detected	1301.1 Detected	Chadl	0.295993812	0.24219123	0.55614448	0.4550545
A_55_P2089	272.1 Detected	293.9 Detected	27.6 Detected	80.5 Detected	9830147E19Rik	0.295847115	0.1014333	0.27390269	0.0939095
A_52_P1179	34.2 Detected	3.5 Not Detect	3.5 Not Detect	10.1 Not Detect	1700001N15Rik	0.295321637	0.10233918	2.88571429	1
A_51_P4739	864.1 Detected	586.5 Detected	187.7 Detected	254.6 Detected	Slc22a15	0.294641824	0.21722023	0.4341006	0.3200341
A_55_P2118	220.2 Detected	712.7 Detected	98 Detected	64.7 Detected	Col1a1	0.293823797	0.44504995	0.09078154	0.1375053
A_55_P2179	35.8 Detected	10.4 Not Detect	6.8 Not Detect	10.5 Not Detect	Dmxl2	0.293296089	0.18994413	1.00961538	0.6538462
A_55_P2167	34.9 Detected	31.9 Detected	9.1 Not Detect	10.2 Not Detect	Ccdc112	0.29226361	0.26074499	0.31974922	0.2852665
A_55_P2017	34.3 Detected	11.8 Not Detect	6.9 Not Detect	10 Not Detect	Olfir267	0.29154519	0.20116618	0.84745763	0.5847458
A_55_P2329	31.6 Detected	20.6 Detected	7.9 Not Detect	9.2 Not Detect	Frmf6	0.291139241	0.25	0.44660194	0.3834951
A_51_P1256	42.6 Detected	14.2 Not Detect	20.1 Detected	12.4 Not Detect	Celf5	0.291079812	0.47183099	0.87323944	1.415493
A_51_P5012	7199.9 Detected	8302.5 Detected	6355.7 Detected	2093 Detected	Sphk1	0.290698482	0.88274837	0.25209274	0.7655164
A_52_P2547	36.9 Detected	122 Detected	9.2 Not Detect	10.7 Not Detect	Cntrn5	0.2899729	0.24932249	0.08770492	0.0754098
A_55_P2007	652.1 Detected	335.1 Detected	548.8 Detected	189 Detected	Ptpdc1	0.289832848	0.84158871	0.56401074	1.6377201
A_55_P2076	2466.7 Detected	1162.1 Detected	1043.6 Detected	714.5 Detected	Hmga1	0.289658248	0.42307536	0.61483521	0.8980294
A_51_P4309	2879.4 Detected	1151.9 Detected	1119.9 Detected	833 Detected	Dusp1	0.289296381	0.38893519	0.72315305	0.9722198
A_51_P1442	968.9 Detected	1059.3 Detected	260.3 Detected	279.4 Detected	Klf2	0.288368253	0.26865518	0.26375909	0.2457283
A_52_P1953	1069.1 Detected	1004.2 Detected	347.9 Detected	307.6 Detected	Fgd3	0.287718642	0.3254139	0.30631348	0.3464449

A_55_P1953	44442.7	Detected	71433	Detected	99343.6	Detected	12782.2	Detected	Fabp5	0.287610789	2.23531874	0.17893971	1.3907242
A_55_P2074	419.6	Detected	74.2	Detected	185.7	Detected	120.2	Detected	Lect2	0.286463298	0.44256435	1.61994609	2.5026954
A_52_P3173	3778	Detected	1228.5	Detected	2023.2	Detected	1081.4	Detected	Gpr56	0.286236104	0.53552144	0.88026048	1.6468864
A_55_P2080	205.9	Detected	244.6	Detected	84.2	Detected	58.8	Detected	Poln	0.285575522	0.40893638	0.24039248	0.3442355
A_52_P6867	256.7	Detected	183.5	Detected	79	Detected	73.3	Detected	Gdf11	0.285547332	0.30775224	0.39945504	0.4305177
A_55_P2080	31.9	Detected	39	Detected	12.2	Not Detect	9.1	Not Detect	Poln	0.285266458	0.38244514	0.23333333	0.3128205
A_51_P3025	36.5	Detected	3.7	Not Detect	3.7	Not Detect	10.4	Not Detect	Maob	0.284931507	0.10136986	2.81081081	1
A_55_P2092	57.6	Detected	6	Not Detect	61.8	Detected	16.4	Not Detect	D330045A20Rik	0.284722222	1.07291667	2.73333333	10.3
A_51_P3917	36.2	Detected	19.3	Detected	26.5	Detected	10.3	Not Detect	Slc3a1	0.284530387	0.7320442	0.53367876	1.373057
A_55_P2055	14407.8	Detected	4036.1	Detected	4338.6	Detected	4098.1	Detected	Gm2016	0.284436208	0.30112856	1.01536136	1.0749486
A_51_P4649	2626.7	Detected	1319.7	Detected	495.3	Detected	746.6	Detected	Map1lc3a	0.284234972	0.1885636	0.56573464	0.3753126
A_55_P2055	11185.8	Detected	11691	Detected	10307.9	Detected	3176.4	Detected	Prkar2b	0.283967173	0.92151657	0.27169618	0.8816953
A_52_P4642	30.7	Detected	12.8	Not Detect	6.8	Not Detect	8.7	Not Detect	1700009N14Rik	0.283387622	0.22149837	0.6796875	0.53125
A_55_P2004	31.9	Detected	3.1	Not Detect	3.2	Not Detect	9	Not Detect	C87977	0.282131661	0.10031348	2.90322581	1.0322581
A_52_P3421	593	Detected	220.1	Detected	140.8	Detected	167.3	Detected	Zfp532	0.282124789	0.23743676	0.76010904	0.6397092
A_55_P2019	86.5	Detected	47.2	Detected	180.7	Detected	24.4	Not Detect	Gm3161	0.282080925	2.08901734	0.51694915	3.8283898
A_55_P2101	2964.9	Detected	1190.2	Detected	989.4	Detected	835.7	Detected	Arrdc4	0.281864481	0.33370434	0.7021509	0.8312889
A_52_P2069	35.5	Detected	3.5	Not Detect	3.5	Not Detect	10	Not Detect	LOC101055647	0.281690141	0.09859155	2.85714286	1
A_55_P2021	116.8	Detected	273.8	Detected	12	Not Detect	32.9	Not Detect	Arc	0.281678082	0.10273973	0.1201607	0.0438276
A_55_P2350	41.2	Detected	87.7	Detected	27.1	Detected	11.6	Not Detect	Slc37a2	0.281553398	0.65776699	0.1322691	0.309008
A_51_P1140	3045.6	Detected	1643.8	Detected	24.3	Detected	857.3	Detected	Ncs1	0.281488048	0.00797872	0.52153547	0.0147828
A_55_P2155	652.2	Detected	299.5	Detected	302.1	Detected	183.1	Detected	Tnfrsf22	0.280742104	0.46320147	0.61135225	1.0086811
A_55_P2096	150.6	Detected	20.7	Detected	8.8	Not Detect	42.2	Not Detect	Rnf130	0.280212483	0.05843293	2.03864734	0.4251208
A_55_P2174	36.1	Detected	15.2	Not Detect	9.6	Not Detect	10.1	Not Detect	Gm2016	0.279778393	0.26592798	0.66447368	0.6315789
A_51_P4123	32.9	Detected	448.1	Detected	12.9	Not Detect	9.2	Not Detect	Scnn1b	0.279635258	0.39209726	0.02053113	0.0287882
A_66_P1124	1319.3	Detected	1491.8	Detected	1305.3	Detected	368.5	Detected	Prkar2b	0.279314788	0.98938831	0.24701703	0.8749832
A_55_P2146	280.8	Detected	2129.7	Detected	7.5	Not Detect	78.4	Detected	Ifitm1	0.279202279	0.0267094	0.0368127	0.0035216
A_51_P3525	561.8	Detected	99	Detected	45.7	Detected	156.4	Detected	St5	0.278390886	0.08134567	1.57979798	0.4616162
A_55_P2208	36	Detected	3.5	Not Detect	3.5	Not Detect	10	Not Detect	4930432N10Rik	0.277777778	0.09722222	2.85714286	1
A_55_P2120	1813.9	Detected	1055.5	Detected	482.2	Detected	503.8	Detected	Cib2	0.277744087	0.26583604	0.47730933	0.4568451
A_55_P1978	38.9	Detected	15.9	Not Detect	11.1	Not Detect	10.8	Not Detect	Chd5	0.277634961	0.28534704	0.67924528	0.6981132
A_66_P1007	34.6	Detected	28.6	Detected	44	Detected	9.6	Not Detect	Gm5468	0.277456647	1.2716763	0.33566434	1.5384615
A_66_P1257	1086.8	Detected	458.7	Detected	966.7	Detected	301	Detected	Slc43a2	0.276959882	0.88949209	0.65620231	2.1074777
A_55_P2145	34.7	Detected	4.6	Not Detect	16.3	Not Detect	9.6	Not Detect	4933406F09Rik	0.276657061	0.46974063	2.08695652	3.5434783
A_51_P3071	1409.1	Detected	663	Detected	567.3	Detected	389.4	Detected	Ddah1	0.276346604	0.4025974	0.58733032	0.8556561
A_51_P5018	3400.7	Detected	875.2	Detected	273.1	Detected	939.2	Detected	Cyp26b1	0.276178434	0.080307	1.07312614	0.312043
A_55_P2029	93.9	Detected	123.4	Detected	9.3	Not Detect	25.9	Not Detect	Adrb2	0.275825346	0.09904153	0.20988655	0.0753647
A_51_P1304	2744.3	Detected	527.9	Detected	759.4	Detected	755.5	Detected	Wnt4	0.27529789	0.27671902	1.43114226	1.43853
A_52_P4792	71	Detected	105.1	Detected	14.1	Not Detect	19.5	Not Detect	Col6a3	0.274647887	0.19859155	0.18553758	0.1341579
A_51_P4262	91.5	Detected	44.6	Detected	37.1	Detected	25.1	Not Detect	Src	0.27431694	0.40546448	0.56278027	0.8318386

A_51_P3644	7843.3	Detected	2253.6	Detected	2841	Detected	2149.3	Detected	Tnfaip2	0.274030064	0.36221998	0.95371849	1.2606496
A_51_P1976	34	Detected	3.2	Not Detect	3.3	Not Detect	9.3	Not Detect	5730407107Rik	0.273529412	0.09705882	2.90625	1.03125
A_55_P2064	32287.7	Detected	15517.1	Detected	11246.4	Detected	8823	Detected	Cd44	0.273261954	0.3483184	0.56859851	0.7247746
A_51_P1724	40	Detected	51.8	Detected	8.6	Not Detect	10.9	Not Detect	Krtap4-16	0.2725	0.215	0.21042471	0.1660232
A_55_P2186	198.7	Detected	263.8	Detected	29.4	Detected	54.1	Detected	Ttc12	0.272269753	0.14796175	0.20507961	0.1114481
A_55_P2098	5134.7	Detected	1394.1	Detected	1785.3	Detected	1397.9	Detected	Tnfaip2	0.272245701	0.34769315	1.00272577	1.2806111
A_55_P2147	49.6	Detected	31.8	Detected	32.2	Detected	13.5	Not Detect	Maml3	0.272177419	0.64919355	0.4245283	1.0125786
A_55_P1961	68.4	Detected	315.9	Detected	8.3	Not Detect	18.6	Not Detect	Adra1d	0.271929825	0.12134503	0.05887939	0.0262741
A_55_P2039	9234.2	Detected	5833.2	Detected	6495.7	Detected	2509.8	Detected	Sgk1	0.271793983	0.70343939	0.43026126	1.113574
A_55_P2350	128.4	Detected	34.8	Detected	3.8	Not Detect	34.8	Not Detect	Akap6	0.271028037	0.02959502	1	0.1091954
A_55_P1992	34.7	Detected	16.5	Not Detect	87.3	Detected	9.4	Not Detect	Gm5622	0.270893372	2.51585014	0.56969697	5.2909091
A_51_P4941	128.9	Detected	218.1	Detected	14	Not Detect	34.9	Not Detect	Alpl	0.270752521	0.10861133	0.16001834	0.0641907
A_55_P2181	38.8	Detected	27.3	Detected	22.3	Detected	10.5	Not Detect	Dfnb59	0.270618557	0.57474227	0.38461538	0.8168498
A_55_P2055	39.2	Detected	22.3	Detected	25.5	Detected	10.6	Not Detect	Rab15	0.270408163	0.6505102	0.47533632	1.1434978
A_55_P2109	37	Detected	15.7	Not Detect	10	Not Detect	10	Not Detect	Lsmem1	0.27027027	0.27027027	0.63694268	0.6369427
A_52_P5293	9909.5	Detected	6329.7	Detected	1550.3	Detected	2677.7	Detected	Rab11fip5	0.27021545	0.15644583	0.42303743	0.2449247
A_55_P1979	809.6	Detected	480.9	Detected	669.7	Detected	218.4	Detected	1700026L06Rik	0.269762846	0.82719862	0.45414847	1.3925972
A_52_P2151	284.7	Detected	58.1	Detected	77.9	Detected	76.8	Detected	Acot4	0.26975764	0.27362136	1.32185886	1.3407917
A_55_P2034	37.1	Detected	24.4	Detected	13.5	Not Detect	10	Not Detect	Siglecg	0.269541779	0.3638814	0.40983607	0.5532787
A_55_P2274	31.2	Detected	13.7	Not Detect	56	Detected	8.4	Not Detect	A630023A22Rik	0.269230769	1.79487179	0.61313869	4.0875912
A_55_P2182	2962.2	Detected	1055.6	Detected	1976.6	Detected	795.4	Detected	Limd2	0.268516643	0.66727432	0.75350512	1.8724896
A_52_P3999	43.6	Detected	183.9	Detected	3.6	Not Detect	11.7	Not Detect	Dusp2	0.268348624	0.08256881	0.06362153	0.0195759
A_51_P5058	3030.9	Detected	1456.7	Detected	916.8	Detected	810.8	Detected	Lhfp	0.2675113	0.30248441	0.55660054	0.6293677
A_55_P2051	134.2	Detected	91.1	Detected	72.4	Detected	35.9	Not Detect	Gpr132	0.267511177	0.53949329	0.39407245	0.7947311
A_55_P1981	37.8	Detected	4	Not Detect	3.6	Not Detect	10.1	Not Detect	Spink8	0.267195767	0.0952381	2.525	0.9
A_51_P1636	32.3	Detected	3.1	Not Detect	3.1	Not Detect	8.6	Not Detect	Olfrr600	0.26625387	0.09597523	2.77419355	1
A_51_P4682	32.7	Detected	22.3	Detected	62.4	Detected	8.7	Not Detect	Phex	0.266055046	1.90825688	0.39013453	2.7982063
A_52_P7135	50.5	Detected	55.2	Detected	33.2	Detected	13.4	Not Detect	Psd3	0.265346535	0.65742574	0.24275362	0.6014493
A_52_P2514	33830.4	Detected	6123.2	Detected	18809.2	Detected	8968.3	Detected	Cldn2	0.26509589	0.55598515	1.46464267	3.0717925
A_51_P5099	6431.6	Detected	4182.8	Detected	3728.1	Detected	1704.8	Detected	Plekho1	0.265066235	0.57965359	0.40757387	0.8912929
A_55_P1972	20963.5	Detected	3915.4	Detected	6111.4	Detected	5554.4	Detected	Pcsk6	0.264955756	0.29152575	1.41860346	1.5608622
A_51_P4618	38.9	Detected	158.7	Detected	42.2	Detected	10.3	Not Detect	Thbs2	0.264781491	1.0848329	0.06490233	0.2659105
A_51_P4504	44.6	Detected	13.3	Not Detect	12.9	Not Detect	11.8	Not Detect	Ccdc74a	0.264573991	0.28923767	0.88721805	0.9699248
A_51_P2299	563.4	Detected	1301.7	Detected	53.5	Detected	148.8	Detected	Chst7	0.264110756	0.09495918	0.11431205	0.0411001
A_55_P1962	67.4	Detected	96.9	Detected	36.5	Detected	17.8	Not Detect	Plac1	0.264094955	0.54154303	0.18369453	0.376677
A_51_P2769	61722.5	Detected	46064.7	Detected	20505.8	Detected	16210.4	Detected	Gpc1	0.262633562	0.33222569	0.35190504	0.4451521
A_55_P2024	65.5	Detected	37.7	Detected	22	Detected	17.2	Not Detect	Lrp3	0.26259542	0.33587786	0.45623342	0.5835544
A_51_P4359	1710.3	Detected	1153.4	Detected	769.1	Detected	448.9	Detected	Rsph9	0.262468573	0.44968719	0.38919716	0.6668112
A_52_P2285	40.4	Detected	91.4	Detected	9.8	Not Detect	10.6	Not Detect	Gpr176	0.262376238	0.24257426	0.11597374	0.107221
A_52_P2505	88.3	Detected	76.8	Detected	14.1	Not Detect	23.1	Not Detect	Fam115a	0.261608154	0.1596829	0.30078125	0.1835938

A_51_P4609	138	Detected	109.8	Detected	50.7	Detected	36.1	Not Detect	Ccl6	0.261594203	0.3673913	0.3287796	0.4617486
A_55_P2014	265.8	Detected	93.7	Detected	69.2	Detected	69.4	Detected	Dhrs9	0.26109857	0.26034612	0.74066169	0.7385272
A_52_P2334	36.8	Detected	116.6	Detected	3.3	Not Detect	9.6	Not Detect	Gata2	0.260869565	0.08967391	0.08233276	0.0283019
A_55_P2052	45.8	Detected	38.5	Detected	17	Detected	11.9	Not Detect	Synm	0.259825328	0.37117904	0.30909091	0.4415584
A_55_P2001	40.2	Detected	143.2	Detected	4.1	Not Detect	10.4	Not Detect	Pde6h	0.258706468	0.10199005	0.0726257	0.0286313
A_66_P1248	115.7	Detected	47.5	Detected	29.3	Detected	29.9	Not Detect	Diras2	0.258426966	0.25324114	0.62947368	0.6168421
A_51_P4870	39.5	Detected	4.3	Not Detect	27.1	Detected	10.2	Not Detect	Wfdc12	0.258227848	0.68607595	2.37209302	6.3023256
A_55_P2137	86.1	Detected	49.8	Detected	81.6	Detected	22.2	Not Detect	Tgfr1	0.257839721	0.94773519	0.44578313	1.6385542
A_55_P2064	974.8	Detected	96.8	Detected	104.4	Detected	251.3	Detected	Pdpn	0.257796471	0.10709889	2.59607438	1.0785124
A_51_P4190	39.2	Detected	16.2	Not Detect	3.6	Not Detect	10.1	Not Detect	Pde10a	0.257653061	0.09183673	0.62345679	0.2222222
A_55_P1997	117.4	Detected	50.3	Detected	386.8	Detected	30.2	Not Detect	Agap2	0.257240204	3.29471891	0.60039761	7.6898608
A_66_P1064	41.6	Detected	19.3	Detected	29.2	Detected	10.7	Not Detect	Ppp2r3a	0.257211538	0.70192308	0.55440415	1.5129534
A_55_P2023	984.4	Detected	324.3	Detected	250	Detected	252.4	Detected	Cep112	0.256399837	0.2539618	0.77829171	0.7708912
A_55_P1985	63373.8	Detected	42513	Detected	26815.2	Detected	16233.4	Detected	Timp1	0.256153174	0.42312754	0.38184555	0.6307529
A_55_P1967	36.7	Detected	3.3	Not Detect	9.2	Not Detect	9.4	Not Detect	Antxr1	0.25613079	0.2506812	2.84848485	2.7878788
A_66_P1264	37.9	Detected	13.4	Not Detect	15.5	Not Detect	9.7	Not Detect	Celf6	0.255936675	0.40897098	0.7238806	1.1567164
A_51_P3908	38.7	Detected	24	Detected	3.5	Not Detect	9.9	Not Detect	Wisp2	0.255813953	0.09043928	0.4125	0.1458333
A_55_P2107	353.5	Detected	330.2	Detected	7	Not Detect	90.4	Detected	Gjc1	0.25572843	0.01980198	0.27377347	0.0211993
A_55_P2311	57.1	Detected	45.2	Detected	34.5	Detected	14.6	Not Detect	E330024J20Rik	0.255691769	0.60420315	0.32300885	0.7632743
A_51_P3277	131.1	Detected	113.9	Detected	14.9	Not Detect	33.5	Not Detect	Ifit1	0.25553013	0.1136537	0.29411765	0.1308165
A_52_P5150	13730.5	Detected	3784.4	Detected	9737.6	Detected	3503.3	Detected	Tmem176a	0.2551473	0.70919486	0.92572138	2.5730895
A_52_P2208	12494.9	Detected	3880.2	Detected	29679.7	Detected	3181.9	Detected	Tgm2	0.2546559	2.37534514	0.82003505	7.6490129
A_55_P1961	20026.9	Detected	1914.1	Detected	1719.9	Detected	5086.8	Detected	Pdpn	0.253998372	0.08587949	2.6575414	0.8985424
A_52_P3482	52.4	Detected	38.3	Detected	43.1	Detected	13.3	Not Detect	Bcl2l11	0.253816794	0.82251908	0.34725849	1.1253264
A_51_P4637	67401	Detected	16305.8	Detected	11181.4	Detected	17093.3	Detected	Timp3	0.25360603	0.16589368	1.0482957	0.6857315
A_55_P2415	352.1	Detected	172.4	Detected	355.7	Detected	89.2	Detected	4931408D14Rik	0.25333712	1.01022437	0.51740139	2.0632251
A_51_P2560	5433.9	Detected	3374.4	Detected	1712.6	Detected	1376.5	Detected	Tiam2	0.253317139	0.31516958	0.40792437	0.5075273
A_55_P1972	38.7	Detected	53.2	Detected	27.6	Detected	9.8	Not Detect	Acsm3	0.253229974	0.71317829	0.18421053	0.518797
A_55_P2001	35.2	Detected	25.3	Detected	3.2	Not Detect	8.9	Not Detect	Lce1i	0.252840909	0.09090909	0.35177866	0.1264822
A_55_P2022	1084.1	Detected	666	Detected	178	Detected	273.1	Detected	C1qtnf1	0.25191403	0.1641915	0.41006006	0.2672673
A_55_P2135	41.7	Detected	38	Detected	38.7	Detected	10.5	Not Detect	LOC101056136	0.251798561	0.92805755	0.27631579	1.0184211
A_55_P1971	57.2	Detected	67	Detected	23.3	Detected	14.3	Not Detect	Fsp1	0.25	0.40734266	0.21343284	0.3477612
A_51_P5203	32.8	Detected	121.3	Detected	3	Not Detect	8.2	Not Detect	Alox12	0.25	0.09146341	0.06760099	0.0247321
A_52_P5396	674.5	Detected	384.6	Detected	196.5	Detected	168.4	Detected	Plxna3	0.24966642	0.29132691	0.43785751	0.5109204
A_51_P4505	40.1	Detected	31.6	Detected	13.8	Not Detect	10	Not Detect	Padi3	0.249376559	0.34413965	0.3164557	0.4367089
A_55_P2017	7372	Detected	39378.1	Detected	1140.7	Detected	1837.2	Detected	Thbs1	0.249213239	0.15473413	0.04665537	0.0289679
A_55_P1979	2848.4	Detected	1547.9	Detected	2624.5	Detected	708.4	Detected	1700026L06Rik	0.248701025	0.92139447	0.4576523	1.695523
A_52_P3738	4141	Detected	978.8	Detected	1161.2	Detected	1028.8	Detected	Acvr1b	0.248442405	0.28041536	1.05108296	1.1863506
A_55_P2010	56.8	Detected	50.3	Detected	35.7	Detected	14.1	Not Detect	Pde4d	0.248239437	0.62852113	0.28031809	0.7097416
A_55_P2004	36.8	Detected	17.7	Detected	8.2	Not Detect	9.1	Not Detect	H2-Eb2	0.247282609	0.22282609	0.51412429	0.4632768

A_51_P3188	116 Detected	4 Not Detect	377.5 Detected	28.6 Not Detect	Glyat	0.246551724	3.25431034	7.15	94.375
A_52_P1160	973.7 Detected	173 Detected	112.4 Detected	239.7 Detected	Gda	0.246174386	0.11543597	1.38554913	0.649711
A_52_P6656	43.4 Detected	52.2 Detected	3.8 Not Detect	10.6 Not Detect	Abca1	0.244239631	0.0875576	0.20306513	0.0727969
A_51_P2235	180.1 Detected	269.7 Detected	59.1 Detected	43.9 Not Detect	Nmnat2	0.24375347	0.32815103	0.16277345	0.2191324
A_51_P1116	245.4 Detected	74.8 Detected	74.2 Detected	59.8 Detected	Arrdc4	0.243683782	0.30236349	0.79946524	0.9919786
A_55_P2085	92.8 Detected	25.4 Detected	133.6 Detected	22.6 Not Detect	Anpep	0.243534483	1.43965517	0.88976378	5.2598425
A_55_P2094	235.6 Detected	44.2 Detected	130.8 Detected	57.2 Detected	Zfp318	0.24278438	0.55517827	1.29411765	2.959276
A_55_P1956	48 Detected	116.2 Detected	7.8 Not Detect	11.6 Not Detect	Dmtn	0.241666667	0.1625	0.09982788	0.0671256
A_55_P2034	7040.8 Detected	2099.5 Detected	16109.5 Detected	1698.6 Detected	Tgm2	0.241250994	2.28802125	0.80904977	7.6730174
A_51_P2587	26430.9 Detected	16660 Detected	8742.9 Detected	6372.2 Detected	Smo	0.241089028	0.33078329	0.38248499	0.5247839
A_52_P1274	37.8 Detected	13.8 Not Detect	21.1 Detected	9.1 Not Detect	Ypel1	0.240740741	0.55820106	0.65942029	1.5289855
A_55_P2086	37 Detected	15.6 Detected	16 Detected	8.9 Not Detect	Zfp651	0.240540541	0.43243243	0.57051282	1.025641
A_55_P2173	93.9 Detected	67.8 Detected	68.8 Detected	22.5 Not Detect	Gpr125	0.239616613	0.73269436	0.33185841	1.0147493
A_55_P1964	45.2 Detected	22 Detected	22.8 Detected	10.8 Not Detect	Dysf	0.238938053	0.50442478	0.49090909	1.0363636
A_52_P8770	42.8 Detected	6.5 Not Detect	3.7 Not Detect	10.2 Not Detect	Thrb	0.238317757	0.0864486	1.56923077	0.5692308
A_55_P2181	110.8 Detected	90.4 Detected	15.1 Not Detect	26.4 Not Detect	Ccdc112	0.238267148	0.13628159	0.2920354	0.1670354
A_51_P3523	43.7 Detected	63.5 Detected	20.8 Detected	10.4 Not Detect	Ism1	0.23798627	0.47597254	0.16377953	0.3275591
A_55_P2004	106.7 Detected	109.4 Detected	58.4 Detected	25.3 Not Detect	Klra2	0.237113402	0.54732896	0.23126143	0.5338208
A_52_P5920	209 Detected	206.9 Detected	114.9 Detected	49.5 Detected	Cst6	0.236842105	0.54976077	0.23924601	0.5553407
A_52_P4151	448.2 Detected	165.7 Detected	225.1 Detected	106.1 Detected	Wnt6	0.236724676	0.50223115	0.64031382	1.3584792
A_55_P2023	44.9 Detected	12.9 Not Detect	77.6 Detected	10.6 Not Detect	Cysltr1	0.236080178	1.72828508	0.82170543	6.0155039
A_55_P2130	53927.7 Detected	49513.8 Detected	13913.7 Detected	12700.3 Detected	Fn1	0.235506057	0.25800655	0.25650021	0.2810065
A_55_P1978	38.3 Detected	39.6 Detected	101.7 Detected	9 Not Detect	LOC101056186	0.234986945	2.65535248	0.22727273	2.5681818
A_55_P2075	242.7 Detected	10.5 Not Detect	258.5 Detected	57 Detected	Acnat2	0.234857849	1.06510095	5.42857143	24.619048
A_55_P2035	46.5 Detected	6.5 Not Detect	7.2 Not Detect	10.9 Not Detect	Il1f10	0.234408602	0.15483871	1.67692308	1.1076923
A_55_P2004	2189.8 Detected	1181.5 Detected	647 Detected	511.7 Detected	Apcdd1	0.233674308	0.29546077	0.43309353	0.547609
A_52_P2810	2588.1 Detected	1070 Detected	797.2 Detected	604.7 Detected	Socs5	0.233646304	0.30802519	0.56514019	0.7450467
A_55_P2008	418.1 Detected	187.3 Detected	225.1 Detected	97.6 Detected	Dlg4	0.233436977	0.53838795	0.52108916	1.2018153
A_51_P1104	1641 Detected	740.5 Detected	674.5 Detected	382.3 Detected	Ddah1	0.232967703	0.41102986	0.51627279	0.910871
A_55_P2017	3935.9 Detected	5928.6 Detected	771.7 Detected	916.9 Detected	Il4ra	0.232958154	0.19606697	0.15465709	0.1301656
A_51_P4802	1538.3 Detected	698 Detected	335.7 Detected	357.9 Detected	Dlx2	0.232659429	0.21822791	0.51275072	0.4809456
A_51_P1436	368.6 Detected	54.5 Detected	212.5 Detected	85.6 Detected	Zfp318	0.23223006	0.5765057	1.5706422	3.8990826
A_55_P1992	2954.8 Detected	900.7 Detected	662.1 Detected	683.8 Detected	Celf4	0.231420062	0.22407608	0.7591873	0.7350949
A_51_P4835	38.9 Detected	110.3 Detected	83.9 Detected	9 Not Detect	Dock8	0.231362468	2.15681234	0.08159565	0.7606528
A_55_P1987	370.9 Detected	410.9 Detected	54.9 Detected	85.8 Detected	Crhr2	0.231329199	0.14801833	0.20880993	0.1336092
A_55_P2078	50.7 Detected	25.5 Detected	22.3 Detected	11.7 Not Detect	Fndc7	0.230769231	0.43984221	0.45882353	0.8745098
A_55_P2472	42.1 Detected	38.5 Detected	3.5 Not Detect	9.7 Not Detect	Gbp3	0.2304038	0.08313539	0.25194805	0.0909091
A_51_P1716	51299.4 Detected	36627.5 Detected	74832.8 Detected	11779.8 Detected	Wnt10a	0.229628417	1.45874611	0.32161081	2.0430769
A_52_P1020	931.5 Detected	108.3 Detected	784.6 Detected	213.5 Detected	AW112010	0.229200215	0.84229737	1.97137581	7.2446907
A_51_P1123	453.3 Detected	559.5 Detected	47.8 Detected	103.8 Detected	Igtp	0.228987426	0.10544893	0.18552279	0.0854334

A_52_P2046	39 Detected	83.6 Detected	21 Detected	8.9 Not Detect	Nova1	0.228205128	0.53846154	0.10645933	0.2511962
A_55_P2178	4384 Detected	934.7 Detected	970.2 Detected	996 Detected	LOC101056486	0.227189781	0.22130474	1.06558254	1.0379801
A_52_P7998	7965.8 Detected	7254.9 Detected	3266.8 Detected	1809.2 Detected	Tmem171	0.227120942	0.41010319	0.24937628	0.4502888
A_52_P7078	42 Detected	10.8 Not Detect	58.6 Detected	9.5 Not Detect	Brdt	0.226190476	1.3952381	0.87962963	5.4259259
A_55_P2304	45.1 Detected	64.8 Detected	6.2 Not Detect	10.2 Not Detect	C530044C16Rik	0.22616408	0.13747228	0.15740741	0.095679
A_52_P4247	37.6 Detected	34.8 Detected	13.4 Not Detect	8.5 Not Detect	Clstn2	0.22606383	0.35638298	0.24425287	0.3850575
A_55_P2023	44.3 Detected	23.9 Detected	5.1 Not Detect	10 Not Detect	Gm4759	0.225733634	0.11512415	0.41841004	0.2133891
A_55_P2103	466.5 Detected	335.8 Detected	265.7 Detected	105.3 Detected	Sema4d	0.225723473	0.56956056	0.31357951	0.7912448
A_55_P2190	486.5 Detected	457.9 Detected	40.6 Detected	109.2 Detected	Fggy	0.224460432	0.08345324	0.23848002	0.0886656
A_52_P1174	75 Detected	65.5 Detected	46.3 Detected	16.8 Not Detect	Tg	0.224	0.61733333	0.25648855	0.7068702
A_55_P2029	1592.3 Detected	1151.6 Detected	808.5 Detected	355.9 Detected	Fgd3	0.223513157	0.50775608	0.30904828	0.7020667
A_51_P2408	6123.6 Detected	6736 Detected	6042 Detected	1364.2 Detected	Tmem173	0.222777451	0.98667451	0.20252375	0.8969715
A_55_P2093	1159.4 Detected	251.6 Detected	225.6 Detected	258.1 Detected	Gm2016	0.222615146	0.19458341	1.02583466	0.8966614
A_55_P2063	849.6 Detected	720.7 Detected	195.5 Detected	189.1 Detected	Add2	0.22257533	0.23010829	0.26238379	0.271264
A_55_P2021	1224.8 Detected	386.1 Detected	211.4 Detected	272.3 Detected	BB287469	0.222322012	0.17259961	0.70525771	0.5475265
A_55_P2234	347.5 Detected	15 Not Detect	337.4 Detected	76.7 Detected	Rnf150	0.220719424	0.97093525	5.11333333	22.493333
A_55_P2004	41.5 Detected	16.2 Detected	3.3 Not Detect	9.1 Not Detect	Tceal8	0.219277108	0.07951807	0.5617284	0.2037037
A_52_P3079	41.5 Detected	35 Detected	3.6 Not Detect	9.1 Not Detect	Gpr128	0.219277108	0.08674699	0.26	0.1028571
A_55_P2197	107.2 Detected	185.6 Detected	88.1 Detected	23.5 Not Detect	3110001N23Rik	0.219216418	0.82182836	0.12661638	0.4746767
A_55_P2037	6748.3 Detected	264.1 Detected	28724.3 Detected	1476.4 Detected	Trf	0.218781026	4.25652387	5.5903067	108.76297
A_55_P1966	148.7 Detected	71.8 Detected	34.1 Detected	32.5 Not Detect	Xaf1	0.218560861	0.22932078	0.45264624	0.4749304
A_52_P3656	45.8 Detected	42.9 Detected	13.5 Not Detect	10 Not Detect	Lrrc4c	0.218340611	0.29475983	0.23310023	0.3146853
A_55_P2037	3098.6 Detected	125.6 Detected	14064.9 Detected	675.2 Detected	Trf	0.21790486	4.53911444	5.37579618	111.98169
A_55_P2002	178.5 Detected	106.5 Detected	66 Detected	38.7 Not Detect	Rgs12	0.216806723	0.3697479	0.36338028	0.6197183
A_55_P2134	46.2 Detected	67.8 Detected	42.7 Detected	10 Not Detect	Uty	0.216450216	0.92424242	0.14749263	0.6297935
A_55_P2398	59.3 Detected	16.2 Detected	3.2 Not Detect	12.8 Not Detect	LOC552912	0.215851602	0.0539629	0.79012346	0.1975309
A_55_P2064	16768.9 Detected	9666.4 Detected	5882.6 Detected	3617.7 Detected	Col7a1	0.215738659	0.35080417	0.37425515	0.6085616
A_55_P2121	25577.4 Detected	13278.2 Detected	4894.6 Detected	5514.6 Detected	Ier5l	0.215604401	0.19136425	0.41531232	0.3686192
A_55_P2109	47.9 Detected	18.4 Detected	6.7 Not Detect	10.3 Not Detect	Tcf7	0.215031315	0.13987474	0.55978261	0.3641304
A_55_P2158	46.7 Detected	18.2 Detected	4 Not Detect	10 Not Detect	Dixdc1	0.214132762	0.0856531	0.54945055	0.2197802
A_55_P2161	51.4 Detected	23.1 Detected	66.5 Detected	11 Not Detect	Nrip2	0.214007782	1.29377432	0.47619048	2.8787879
A_51_P4995	933.7 Detected	706.3 Detected	273 Detected	199.5 Detected	Cd276	0.21366606	0.29238513	0.28245788	0.3865213
A_55_P2028	6322.2 Detected	939.6 Detected	163.7 Detected	1348.2 Detected	Rnf130	0.213248553	0.02589289	1.4348659	0.1742231
A_55_P2166	37663.7 Detected	18020.7 Detected	16966.1 Detected	8014.5 Detected	Cd44	0.212791096	0.45046291	0.44473855	0.9414784
A_52_P1411	287.3 Detected	259.1 Detected	12 Not Detect	61.1 Detected	Fggy	0.212669683	0.04176819	0.23581629	0.0463142
A_51_P2047	73.4 Detected	88.9 Detected	35.3 Detected	15.6 Not Detect	Cd34	0.21253406	0.48092643	0.17547807	0.3970754
A_55_P2124	12425.6 Detected	6170.8 Detected	3828.5 Detected	2639.8 Detected	Col18a1	0.212448493	0.30811389	0.42778894	0.620422
A_55_P2064	211.7 Detected	101.5 Detected	199.7 Detected	44.9 Not Detect	Capzb	0.212092584	0.94331601	0.44236453	1.9674877
A_55_P2029	108.4 Detected	24.2 Detected	24.6 Detected	22.9 Not Detect	Pex11g	0.211254613	0.22693727	0.94628099	1.0165289
A_55_P2093	41.7 Detected	10.5 Not Detect	3.2 Not Detect	8.8 Not Detect	Meig1	0.211031175	0.07673861	0.83809524	0.3047619

A_51_P4549	54.1	Detected	33.9	Detected	4.3	Not Detect	11.4	Not Detect	Tmcc2	0.210720887	0.07948244	0.33628319	0.1268437
A_55_P2077	122.9	Detected	51	Detected	24.4	Detected	25.8	Not Detect	Gm8300	0.20992677	0.19853539	0.50588235	0.4784314
A_66_P1225	2769.9	Detected	426.9	Detected	1356.5	Detected	579.9	Detected	Cldn2	0.209357739	0.48972887	1.35839775	3.1775591
A_55_P2388	45.4	Detected	12.6	Not Detect	18.8	Detected	9.5	Not Detect	4731419109Rik	0.209251101	0.41409692	0.75396825	1.4920635
A_55_P2057	45.9	Detected	6.1	Not Detect	14.2	Not Detect	9.6	Not Detect	Lipn	0.209150327	0.30936819	1.57377049	2.3278689
A_51_P1288	10602.9	Detected	23975.5	Detected	692	Detected	2212.6	Detected	Ifitm3	0.208678758	0.06526516	0.09228588	0.0288628
A_55_P2069	1239.4	Detected	332.3	Detected	689.3	Detected	256.3	Detected	Tspan17	0.20679361	0.5561562	0.771291	2.0743304
A_51_P3243	112.7	Detected	79.5	Detected	3.1	Not Detect	23.3	Not Detect	Mylip	0.206743567	0.02750665	0.29308176	0.0389937
A_52_P8784	41.2	Detected	16.4	Detected	24.8	Detected	8.5	Not Detect	Aldh1a3	0.20631068	0.60194175	0.51829268	1.5121951
A_55_P2106	576.4	Detected	205.7	Detected	33.6	Detected	118.7	Detected	Tcf24	0.20593338	0.05829285	0.57705396	0.1633447
A_52_P3455	49.1	Detected	71	Detected	55.9	Detected	10.1	Not Detect	Uty	0.205702648	1.13849287	0.14225352	0.7873239
A_55_P2033	83.7	Detected	60.7	Detected	23.3	Detected	17.2	Not Detect	Ascl2	0.205495818	0.27837515	0.28336079	0.383855
A_55_P1958	43.4	Detected	4.4	Not Detect	9.1	Not Detect	8.9	Not Detect	Its1	0.205069124	0.20967742	2.02272727	2.0681818
A_51_P3981	898.8	Detected	1930.1	Detected	3.7	Not Detect	183.4	Detected	Auts2	0.204049844	0.0041166	0.09502098	0.001917
A_55_P2123	182.4	Detected	42.6	Detected	55.1	Detected	37.2	Not Detect	Acvr1b	0.203947368	0.30208333	0.87323944	1.2934272
A_55_P2039	390.4	Detected	182.9	Detected	39.5	Detected	79.5	Detected	Zfp365	0.203637295	0.10117828	0.43466375	0.215965
A_55_P2025	67.8	Detected	137.4	Detected	3.2	Not Detect	13.8	Not Detect	Arhgap6	0.203539823	0.04719764	0.10043668	0.0232897
A_55_P2017	222.8	Detected	346.4	Detected	18.8	Detected	45.3	Not Detect	Gm525	0.203321364	0.08438061	0.13077367	0.0542725
A_51_P3236	48.2	Detected	75.9	Detected	15.2	Not Detect	9.8	Not Detect	Vmn1r53	0.203319502	0.3153527	0.12911726	0.2002635
A_51_P4063	79.6	Detected	40.2	Detected	7.2	Not Detect	16.1	Not Detect	Hecw2	0.202261307	0.09045226	0.40049751	0.1791045
A_55_P2095	149.5	Detected	70.7	Detected	58	Detected	30.2	Not Detect	Kalrn	0.202006689	0.38795987	0.427157	0.8203678
A_55_P2048	182.5	Detected	156.9	Detected	368.8	Detected	36.8	Not Detect	Hp	0.201643836	2.02082192	0.2345443	2.3505417
A_51_P3194	651.9	Detected	205.5	Detected	99.9	Detected	130.7	Detected	Osmr	0.200490873	0.15324436	0.63600973	0.4861314
A_55_P2070	46.4	Detected	3.5	Not Detect	3.3	Not Detect	9.3	Not Detect	Ccl27a	0.200431034	0.07112069	2.65714286	0.9428571
A_55_P2016	2022	Detected	450.5	Detected	200.7	Detected	405	Detected	Neur1a	0.200296736	0.09925816	0.89900111	0.445505
A_51_P3377	74.9	Detected	97.8	Detected	3.8	Not Detect	15	Not Detect	Pcdhb17	0.200267023	0.05073431	0.15337423	0.0388548
A_55_P2151	3870.7	Detected	2517.4	Detected	1872.3	Detected	773.5	Detected	Plxnd1	0.199834655	0.48371096	0.30726146	0.7437435
A_52_P2951	245.5	Detected	17.5	Detected	53.9	Detected	49	Detected	Smim5	0.199592668	0.21955193	2.8	3.08
A_55_P2164	42.2	Detected	19.8	Detected	21.8	Detected	8.4	Not Detect	Zfp872	0.199052133	0.51658768	0.42424242	1.1010101
A_55_P2096	424.2	Detected	3578.4	Detected	22.6	Detected	84.3	Detected	Gap43	0.198727016	0.05327676	0.02355801	0.0063157
A_51_P1568	57.9	Detected	34.9	Detected	27.2	Detected	11.5	Not Detect	Paqr3	0.198618307	0.46977547	0.32951289	0.7793696
A_52_P2146	1173.7	Detected	646.8	Detected	746.3	Detected	232.9	Detected	Sox9	0.198432308	0.63585243	0.3600804	1.1538343
A_55_P2147	9850.8	Detected	7273.4	Detected	2521.5	Detected	1944.1	Detected	Npcd	0.19735453	0.25596906	0.26728903	0.3466742
A_51_P2537	43.1	Detected	61.2	Detected	6.6	Not Detect	8.5	Not Detect	Il17rd	0.197215777	0.15313225	0.13888889	0.1078431
A_51_P3764	2348	Detected	1779	Detected	1546.3	Detected	462.4	Detected	Rhox5	0.19693356	0.65856048	0.2599213	0.8691962
A_55_P2252	63.7	Detected	24.2	Detected	29.1	Detected	12.5	Not Detect	B230104C14Rik	0.196232339	0.45682889	0.51652893	1.2024793
A_55_P2129	74.8	Detected	23.2	Detected	14.3	Not Detect	14.6	Not Detect	Tlr7	0.195187166	0.19117647	0.62931034	0.6163793
A_51_P2254	534.5	Detected	119.2	Detected	387.1	Detected	104.3	Detected	1700016C15Rik	0.195135641	0.72422825	0.875	3.2474832
A_52_P1788	52.4	Detected	33.5	Detected	3.7	Not Detect	10.2	Not Detect	Lrp3	0.194656489	0.07061069	0.30447761	0.1104478
A_52_P4695	2891.7	Detected	1162.8	Detected	791.7	Detected	560.4	Detected	Cda	0.193796037	0.27378359	0.48194014	0.6808566

A_66_P1237	42.4 Detected	25.2 Detected	20.3 Detected	8.2 Not Detect	Ulbp1	0.193396226	0.47877358	0.32539683	0.8055556
A_51_P4833	646.7 Detected	968.8 Detected	109.4 Detected	124.9 Detected	Ptpn22	0.193134375	0.16916654	0.12892238	0.1129232
A_55_P1982	166.1 Detected	395.8 Detected	32.3 Detected	32 Not Detect	Bzrap1	0.192655027	0.19446117	0.08084891	0.0816069
A_51_P4366	205.1 Detected	38.7 Detected	350 Detected	39.3 Not Detect	Ccl7	0.191613847	1.70648464	1.01550388	9.0439276
A_55_P2107	270.4 Detected	203.9 Detected	12.3 Not Detect	51.6 Detected	Enah	0.190828402	0.04548817	0.25306523	0.0603237
A_51_P4887	47.2 Detected	14.7 Not Detect	12.4 Not Detect	9 Not Detect	Niacr1	0.190677966	0.26271186	0.6122449	0.8435374
A_66_P1395	121.6 Detected	73.7 Detected	207.6 Detected	22.9 Not Detect	Igfbp6	0.188322368	1.70723684	0.31071913	2.816825
A_55_P2050	57.9 Detected	52 Detected	23 Detected	10.9 Not Detect	Ncam1	0.188255613	0.39723661	0.20961538	0.4423077
A_55_P2067	11129.9 Detected	2385 Detected	5896.3 Detected	2069.1 Detected	Tspan17	0.185904635	0.52977116	0.86754717	2.4722432
A_52_P2166	47.5 Detected	112.7 Detected	3.2 Not Detect	8.8 Not Detect	Klk8	0.185263158	0.06736842	0.07808341	0.028394
A_51_P5048	49.2 Detected	8.8 Not Detect	8.7 Not Detect	9.1 Not Detect	Stfa3	0.18495935	0.17682927	1.03409091	0.9886364
A_55_P2059	15424.1 Detected	7645 Detected	4603.9 Detected	2849.3 Detected	Col18a1	0.184730389	0.29848743	0.37270111	0.6022106
A_55_P2012	52.7 Detected	77 Detected	15.5 Not Detect	9.7 Not Detect	Kcnh2	0.184060721	0.29411765	0.12597403	0.2012987
A_55_P2059	45.1 Detected	94.1 Detected	66.8 Detected	8.3 Not Detect	Skap1	0.184035477	1.48115299	0.08820404	0.7098831
A_55_P2175	21637 Detected	5785.1 Detected	434.3 Detected	3965.8 Detected	Mgst1	0.183287886	0.0200721	0.6855197	0.0750722
A_66_P1216	12965.9 Detected	891.3 Detected	5205.9 Detected	2376.1 Detected	Ablim3	0.183257622	0.40150703	2.6658813	5.8407943
A_51_P1293	308.3 Detected	1507 Detected	6.7 Not Detect	56.3 Detected	Pthlh	0.182614337	0.02173208	0.03735899	0.0044459
A_55_P2091	541.1 Detected	729.6 Detected	625.4 Detected	98.5 Detected	Arhgap9	0.182036592	1.15579375	0.13500548	0.857182
A_55_P2069	48.4 Detected	5.4 Not Detect	4.9 Not Detect	8.8 Not Detect	Olfir874	0.181818182	0.10123967	1.62962963	0.9074074
A_55_P2061	1464.2 Detected	518.5 Detected	890.9 Detected	264.9 Detected	Sik1	0.180917907	0.60845513	0.51089682	1.7182257
A_55_P2142	115.1 Detected	80.9 Detected	121.4 Detected	20.8 Not Detect	Synj2	0.180712424	1.05473501	0.25710754	1.500618
A_51_P4000	817.2 Detected	363.8 Detected	329 Detected	145.8 Detected	Kalrn	0.178414097	0.40259422	0.40076965	0.904343
A_55_P2011	101.8 Detected	101.6 Detected	10.9 Not Detect	18.1 Not Detect	Fggy	0.177799607	0.10707269	0.17814961	0.1072835
A_55_P2199	54.6 Detected	56.3 Detected	3.5 Not Detect	9.7 Not Detect	Tfap2a	0.177655678	0.06410256	0.1722913	0.062167
A_55_P2245	56.4 Detected	7.9 Not Detect	14.2 Not Detect	10 Not Detect	Bcas3os2	0.177304965	0.25177305	1.26582278	1.7974684
A_52_P5498	17482.7 Detected	4737.2 Detected	303.5 Detected	3098.9 Detected	Mgst1	0.177255229	0.01736002	0.6541628	0.0640674
A_55_P1971	46.9 Detected	36 Detected	11.7 Not Detect	8.3 Not Detect	Gm10057	0.176972281	0.24946695	0.23055556	0.325
A_52_P5354	1903.8 Detected	958.9 Detected	298.1 Detected	334.7 Detected	Gvin1	0.175806282	0.15658157	0.34904578	0.310877
A_52_P1691	142.3 Detected	377.1 Detected	3 Not Detect	24.7 Not Detect	Auts2	0.17357695	0.02108222	0.06549987	0.0079554
A_55_P2019	59.5 Detected	147.1 Detected	4.7 Not Detect	10.3 Not Detect	Rasef	0.173109244	0.0789916	0.07002039	0.0319511
A_51_P4651	765.7 Detected	609.1 Detected	107.7 Detected	132.5 Detected	Chst15	0.173044273	0.14065561	0.21753407	0.1768183
A_55_P1967	255.7 Detected	136.7 Detected	63.7 Detected	44.2 Not Detect	Plb1	0.172858819	0.24912006	0.32333577	0.4659839
A_55_P1997	51.5 Detected	121 Detected	3.2 Not Detect	8.9 Not Detect	Fam69c	0.172815534	0.06213592	0.07355372	0.0264463
A_55_P2164	1030.6 Detected	356.1 Detected	48.4 Detected	177.2 Detected	Tcf24	0.171938676	0.04696293	0.49761303	0.1359169
A_55_P1958	63.4 Detected	32.7 Detected	92.4 Detected	10.9 Not Detect	1700016D02Rik	0.17192429	1.45741325	0.33333333	2.8256881
A_51_P4811	20641.8 Detected	9530 Detected	8634.6 Detected	3548.4 Detected	Cbr3	0.171903613	0.41830654	0.37233998	0.9060441
A_51_P1856	2842.9 Detected	1790.7 Detected	707.3 Detected	487.9 Detected	Ccl9	0.171620528	0.24879524	0.27246328	0.3949852
A_51_P3414	1320.9 Detected	369.8 Detected	93.8 Detected	226.5 Detected	Csf2ra	0.171473995	0.07101219	0.61249324	0.2536506
A_55_P2195	1533.4 Detected	704.6 Detected	402.7 Detected	261 Detected	Dbn1	0.170209991	0.26261902	0.37042293	0.5715299
A_55_P2155	908.8 Detected	332 Detected	592 Detected	154.5 Detected	BC096441	0.170004401	0.65140845	0.46536145	1.7831325

A_51_P5108	5431.4	Detected	2429.9	Detected	4837.7	Detected	922.3	Detected	Afp	0.169808889	0.89069117	0.37956294	1.990905
A_51_P2203	2922.2	Detected	2549.3	Detected	1205.3	Detected	495.3	Detected	Wisp1	0.169495586	0.41246321	0.19428863	0.4727965
A_55_P2260	53.8	Detected	15.4	Not Detect	3.2	Not Detect	9.1	Not Detect	4930544M13Rik	0.169144981	0.05947955	0.59090909	0.2077922
A_52_P3024	1061.5	Detected	474.6	Detected	226.6	Detected	179	Detected	Plau	0.168629298	0.2134715	0.37715971	0.4774547
A_55_P2035	378.3	Detected	155.1	Detected	111.5	Detected	63.7	Detected	Rps6ka2	0.16838488	0.29473962	0.41070277	0.718891
A_52_P1949	215.8	Detected	179.7	Detected	3.7	Not Detect	36.2	Not Detect	Hoxb7	0.167747915	0.01714551	0.20144686	0.0205899
A_55_P2044	52.5	Detected	18.3	Detected	5.9	Not Detect	8.8	Not Detect	Iglon5	0.167619048	0.11238095	0.48087432	0.3224044
A_55_P2002	104.5	Detected	53.3	Detected	7.1	Not Detect	17.5	Not Detect	Usp17la	0.167464115	0.06794258	0.32833021	0.1332083
A_55_P2079	198.4	Detected	88.4	Detected	48.6	Detected	32.9	Not Detect	Asap3	0.165826613	0.24495968	0.37217195	0.5497738
A_55_P2075	170.2	Detected	371.7	Detected	33.4	Detected	28.2	Not Detect	Baalc	0.165687427	0.19623972	0.07586764	0.0898574
A_55_P2132	1906.1	Detected	1588.8	Detected	719	Detected	314.8	Detected	Wisp1	0.165153979	0.37721001	0.19813696	0.4525428
A_55_P2050	227.7	Detected	514.3	Detected	24.7	Detected	37.6	Not Detect	Fetub	0.165129556	0.10847606	0.07310908	0.0480264
A_55_P1970	224.6	Detected	277.9	Detected	7.7	Not Detect	37	Not Detect	Dclk2	0.164737311	0.03428317	0.13314142	0.0277078
A_51_P4015	63.9	Detected	107.7	Detected	9.6	Not Detect	10.5	Not Detect	Tmem213	0.164319249	0.15023474	0.09749304	0.0891365
A_66_P1406	71.9	Detected	35.2	Detected	26.7	Detected	11.8	Not Detect	Gm6403	0.164116829	0.3713491	0.33522727	0.7585227
A_55_P2150	67.4	Detected	35.9	Detected	23	Detected	11	Not Detect	Gm4827	0.163204748	0.34124629	0.30640669	0.6406685
A_66_P1061	54	Detected	4.7	Not Detect	3.2	Not Detect	8.8	Not Detect	Rhoj	0.162962963	0.05925926	1.87234043	0.6808511
A_55_P2283	54.1	Detected	8.6	Not Detect	22.9	Detected	8.8	Not Detect	A530020G20Rik	0.162661738	0.4232902	1.02325581	2.6627907
A_51_P2097	94.2	Detected	18.8	Detected	82.4	Detected	15.3	Not Detect	Cyp2c44	0.162420382	0.87473461	0.81382979	4.3829787
A_51_P2773	56433.4	Detected	37634.4	Detected	27222.3	Detected	9139.8	Detected	Sdpr	0.161957281	0.48237923	0.2428576	0.7233356
A_55_P2015	205.8	Detected	294.3	Detected	3.5	Not Detect	33.3	Not Detect	Zcchc24	0.16180758	0.0170068	0.11314985	0.0118926
A_51_P4647	63.8	Detected	88.6	Detected	49.7	Detected	10.3	Not Detect	Ccl8	0.161442006	0.77899687	0.11625282	0.5609481
A_55_P2008	6370.5	Detected	1796.6	Detected	840.6	Detected	1024.9	Detected	Itrp2	0.160882191	0.13195197	0.57046644	0.4678838
A_52_P5170	110.3	Detected	139.5	Detected	53.8	Detected	17.7	Not Detect	Il18rap	0.160471442	0.48776065	0.12688172	0.3856631
A_55_P2274	499.8	Detected	228.7	Detected	332.9	Detected	79.7	Detected	Wnt7b	0.159463786	0.66606643	0.34849147	1.4556187
A_55_P1966	394.1	Detected	401	Detected	20.7	Detected	62.2	Detected	Hoxc6	0.157827962	0.05252474	0.15511222	0.0516209
A_55_P2132	4940.8	Detected	887	Detected	1366.8	Detected	779.4	Detected	Slc16a2	0.157747733	0.27663536	0.87869222	1.5409245
A_55_P1957	176.9	Detected	108.1	Detected	279.9	Detected	27.9	Not Detect	2310002J15Rik	0.157716224	1.58224986	0.25809436	2.5892692
A_55_P2146	95.2	Detected	61.6	Detected	33.4	Detected	15	Not Detect	Lmx1a	0.157563025	0.35084034	0.24350649	0.5422078
A_55_P2222	56.6	Detected	11.6	Not Detect	85	Detected	8.9	Not Detect	Mylk	0.157243816	1.50176678	0.76724138	7.3275862
A_52_P4955	64.9	Detected	42.5	Detected	9.7	Not Detect	10.2	Not Detect	Zbtb10	0.157164869	0.14946071	0.24	0.2282353
A_55_P2023	2245.1	Detected	440	Detected	159.8	Detected	352.1	Detected	Neur1a	0.156830431	0.07117723	0.80022727	0.3631818
A_52_P2119	84.4	Detected	14.2	Not Detect	31.2	Detected	13.2	Not Detect	Ms4a4d	0.156398104	0.36966825	0.92957746	2.1971831
A_55_P2081	67.8	Detected	22.9	Detected	7.2	Not Detect	10.6	Not Detect	Fam89a	0.156342183	0.10619469	0.4628821	0.3144105
A_51_P4476	151.2	Detected	64	Detected	23	Detected	23.5	Not Detect	Plekhh2	0.15542328	0.1521164	0.3671875	0.359375
A_55_P2111	409.2	Detected	245.7	Detected	152.9	Detected	63.5	Detected	Npcd	0.155180841	0.37365591	0.25844526	0.6223036
A_52_P5005	55.5	Detected	58	Detected	18.4	Detected	8.6	Not Detect	8430419L09Rik	0.154954955	0.33153153	0.14827586	0.3172414
A_51_P3812	3520.9	Detected	9752.4	Detected	1293.7	Detected	545.5	Detected	Fxyd5	0.154931978	0.36743446	0.05593495	0.1326545
A_52_P6091	224.4	Detected	149.6	Detected	91.2	Detected	34.7	Not Detect	Pitpnc1	0.154634581	0.40641711	0.23195187	0.6096257
A_55_P2082	5126.8	Detected	6215.1	Detected	1340.2	Detected	787.9	Detected	Ak1	0.153682609	0.26141063	0.12677189	0.2156361

A_51_P2500	1007.7	Detected	460.6	Detected	836.6	Detected	154.7	Detected	Epas1	0.153517912	0.8302074	0.33586626	1.8163265
A_52_P2425	137	Detected	117.5	Detected	28	Detected	20.9	Not Detect	Ccdc112	0.152554745	0.20437956	0.17787234	0.2382979
A_55_P2039	60.7	Detected	10.4	Not Detect	3.3	Not Detect	9.2	Not Detect	Zfp345	0.151565074	0.05436573	0.88461538	0.3173077
A_55_P2158	60.2	Detected	48.4	Detected	4.3	Not Detect	9.1	Not Detect	Dixdc1	0.151162791	0.07142857	0.18801653	0.088843
A_55_P2003	59.3	Detected	8.8	Not Detect	3.2	Not Detect	8.9	Not Detect	Asgr1	0.150084317	0.0539629	1.01136364	0.3636364
A_52_P3933	56.1	Detected	229.6	Detected	33.3	Detected	8.4	Not Detect	P2rx7	0.14973262	0.59358289	0.03658537	0.1450348
A_55_P2092	598.4	Detected	252.9	Detected	210.7	Detected	89.6	Detected	Traf5	0.14973262	0.35210561	0.35429023	0.8331356
A_55_P2150	539.7	Detected	764.9	Detected	357.6	Detected	80.7	Detected	Als2cr12	0.149527515	0.66259033	0.10550399	0.4675121
A_55_P1980	76.5	Detected	56.7	Detected	3.7	Not Detect	11.4	Not Detect	Pcbp3	0.149019608	0.04836601	0.2010582	0.0652557
A_52_P4316	356.5	Detected	173.4	Detected	35.5	Detected	52.9	Detected	Gm1966	0.148387097	0.09957924	0.30507497	0.204729
A_55_P2068	76.5	Detected	56.4	Detected	15.2	Not Detect	11.3	Not Detect	Bpifb4	0.147712418	0.19869281	0.20035461	0.2695035
A_55_P2051	306.7	Detected	295.4	Detected	90.8	Detected	45.3	Not Detect	Pr13d2	0.147701337	0.29605478	0.15335139	0.3073798
A_51_P5178	1364.5	Detected	584.5	Detected	584.8	Detected	201.5	Detected	Nfatc1	0.14767314	0.4285819	0.34473909	1.0005133
A_55_P2113	267	Detected	307	Detected	340.6	Detected	39.2	Not Detect	Cyth4	0.146816479	1.27565543	0.1276873	1.1094463
A_55_P2142	57.3	Detected	126.6	Detected	3	Not Detect	8.4	Not Detect	Slc9a7	0.146596859	0.05235602	0.06635071	0.0236967
A_55_P2416	213.6	Detected	61.3	Detected	66	Detected	31.3	Not Detect	8430426J06Rik	0.146535581	0.30898876	0.51060359	1.0766721
A_55_P2013	1469.5	Detected	243.5	Detected	157.9	Detected	214.7	Detected	Gm2016	0.146104117	0.10745151	0.88172485	0.64846
A_51_P2392	342.4	Detected	566.4	Detected	111.4	Detected	50	Not Detect	Mapk13	0.146028037	0.32535047	0.08827684	0.1966808
A_51_P4037	63.2	Detected	87.9	Detected	3.3	Not Detect	9.2	Not Detect	Sptbn2	0.14556962	0.05221519	0.10466439	0.0375427
A_55_P2041	274.6	Detected	366.4	Detected	6.4	Not Detect	39.8	Not Detect	Six4	0.144938092	0.02330663	0.10862445	0.0174672
A_55_P2111	11818.2	Detected	8997.4	Detected	2596.4	Detected	1712.3	Detected	Cp	0.1448867	0.21969505	0.19031053	0.2885723
A_51_P4059	417	Detected	148.4	Detected	63.7	Detected	60.4	Detected	Lmcd1	0.144844125	0.15275779	0.40700809	0.4292453
A_52_P6035	844.9	Detected	469.2	Detected	324.3	Detected	122	Detected	Greb1l	0.144395786	0.38383241	0.26001705	0.6911765
A_55_P2016	537.4	Detected	1403	Detected	64.8	Detected	77.5	Detected	Cxcl10	0.144212877	0.12058057	0.05523877	0.0461867
A_51_P2129	68.7	Detected	25.8	Detected	17.5	Detected	9.9	Not Detect	Spata9	0.144104803	0.25473071	0.38372093	0.6782946
A_55_P2167	68.8	Detected	3.5	Not Detect	3.5	Not Detect	9.8	Not Detect	Nkx6-3	0.14244186	0.05087209	2.8	1
A_55_P2061	20598.9	Detected	2882.4	Detected	1698.4	Detected	2926.4	Detected	Chst1	0.142065838	0.082451	1.01526506	0.5892312
A_55_P2118	8550.6	Detected	6154.7	Detected	2835	Detected	1209.4	Detected	Tmem121	0.141440367	0.33155568	0.19650024	0.4606236
A_51_P2410	68	Detected	1361.6	Detected	3.5	Not Detect	9.6	Not Detect	Dkk2	0.141176471	0.05147059	0.00705053	0.0025705
A_55_P1998	8874	Detected	6428.6	Detected	2955.9	Detected	1239.7	Detected	Tmem121	0.139700248	0.33309669	0.19284137	0.4598046
A_55_P2141	2888	Detected	2353.2	Detected	360.5	Detected	402	Detected	Pard6g	0.139196676	0.12482687	0.17083121	0.1531956
A_55_P2056	924	Detected	163.9	Detected	112.4	Detected	128.2	Detected	Gm21319	0.138744589	0.12164502	0.78218426	0.685784
A_51_P3170	950.2	Detected	793.5	Detected	9.6	Not Detect	131.6	Detected	Ccdc109b	0.138497158	0.01010314	0.16584751	0.0120983
A_51_P4112	170.8	Detected	82.9	Detected	47.9	Detected	23.6	Not Detect	Txndc16	0.138173302	0.28044496	0.28468034	0.5778046
A_55_P1983	2933.7	Detected	240.5	Detected	282.7	Detected	402.5	Detected	Gm2022	0.137198759	0.09636295	1.67359667	1.1754678
A_55_P1998	6954.3	Detected	2288.2	Detected	1925.4	Detected	951	Detected	Sema3f	0.136749925	0.27686467	0.41561052	0.8414474
A_55_P2168	4794.7	Detected	7355.2	Detected	240.6	Detected	650.5	Detected	Rbpm5	0.135670636	0.05018041	0.08844083	0.0327116
A_66_P1214	379.3	Detected	347	Detected	599.7	Detected	51.4	Detected	Sardh	0.135512787	1.58107039	0.1481268	1.7282421
A_55_P2082	1431.2	Detected	5018.7	Detected	96.3	Detected	193	Detected	Btbd11	0.134851873	0.06728619	0.03845617	0.0191882
A_52_P4819	4599	Detected	1497.8	Detected	29.9	Detected	618.3	Detected	Grem1	0.13444227	0.00650141	0.41280545	0.0199626

A_55_P2137	70.8 Detected	66.2 Detected	5 Not Detect	9.5 Not Detect	Chst15	0.134180791	0.07062147	0.14350453	0.0755287
A_55_P2080	793.3 Detected	72.9 Detected	84.7 Detected	106.3 Detected	BB287469	0.133997227	0.10676919	1.45816187	1.1618656
A_51_P3156	3179.7 Detected	383.8 Detected	354.8 Detected	423.5 Detected	Igf2bp2	0.133188666	0.11158285	1.10343929	0.9244398
A_55_P2026	966.4 Detected	486.9 Detected	551.7 Detected	128.2 Detected	Tigit	0.132657285	0.57088162	0.26329842	1.1330869
A_55_P2183	78.4 Detected	187.2 Detected	71.2 Detected	10.4 Not Detect	P2rx7	0.132653061	0.90816327	0.05555556	0.3803419
A_55_P2170	1441.6 Detected	183.5 Detected	158.2 Detected	190.2 Detected	Igf2bp2	0.131936737	0.10973918	1.03651226	0.8621253
A_66_P1201	472.5 Detected	32.7 Detected	47.8 Detected	61.5 Detected	Nrep	0.13015873	0.10116402	1.88073394	1.4617737
A_55_P1973	7210 Detected	7001.6 Detected	1646.5 Detected	935 Detected	Ltbp1	0.129680999	0.22836338	0.1335409	0.2351605
A_51_P4744	76.4 Detected	3.6 Not Detect	11.9 Not Detect	9.9 Not Detect	Tac4	0.129581152	0.15575916	2.75	3.3055556
A_51_P4454	64.5 Detected	36 Detected	67 Detected	8.3 Not Detect	Fut7	0.128682171	1.03875969	0.23055556	1.8611111
A_51_P4621	75.6 Detected	7.8 Not Detect	8.9 Not Detect	9.7 Not Detect	Olr1	0.128306878	0.11772487	1.24358974	1.1410256
A_55_P2088	814 Detected	1542.1 Detected	603.1 Detected	104.4 Detected	Fhod3	0.128255528	0.74090909	0.06769989	0.3910901
A_55_P2055	146 Detected	36.8 Detected	15.5 Not Detect	18.6 Not Detect	Gm8300	0.12739726	0.10616438	0.50543478	0.4211957
A_51_P3974	218.1 Detected	278.7 Detected	3.3 Not Detect	27.6 Not Detect	Prss46	0.126547455	0.01513067	0.09903122	0.0118407
A_52_P2585	70.5 Detected	60.3 Detected	29.9 Detected	8.9 Not Detect	Slc26a9	0.126241135	0.42411348	0.14759536	0.4958541
A_66_P1308	355.9 Detected	491.5 Detected	38.2 Detected	44.7 Not Detect	Pcdh18	0.125597078	0.10733352	0.09094608	0.0777213
A_55_P2059	70.8 Detected	56.7 Detected	3.2 Not Detect	8.8 Not Detect	Gm5177	0.124293785	0.04519774	0.15520282	0.0564374
A_55_P1990	53722.7 Detected	11301.4 Detected	2593.5 Detected	6675.9 Detected	Cxcl5	0.124265906	0.04827568	0.59071442	0.2294848
A_51_P2042	79.7 Detected	56.7 Detected	33.9 Detected	9.9 Not Detect	Efhb	0.124215809	0.42534504	0.17460317	0.5978836
A_52_P4541	1449.2 Detected	414.1 Detected	492.9 Detected	179.7 Detected	Olfml2b	0.123999448	0.34011869	0.43395315	1.1902922
A_52_P2447	437.2 Detected	162.7 Detected	73.2 Detected	53.9 Detected	Tcf7	0.123284538	0.16742909	0.33128457	0.4499078
A_55_P2087	1509.7 Detected	188.8 Detected	153.2 Detected	185.3 Detected	Gm8300	0.122739617	0.10147711	0.98146186	0.8114407
A_51_P1967	417.1 Detected	20.4 Detected	992 Detected	51.1 Detected	Itih2	0.122512587	2.37832654	2.50490196	48.627451
A_55_P2164	85.4 Detected	6.3 Not Detect	4.5 Not Detect	10.4 Not Detect	Pr17c1	0.121779859	0.05269321	1.65079365	0.7142857
A_55_P2220	88.9 Detected	72.7 Detected	7.6 Not Detect	10.8 Not Detect	Otud1	0.121484814	0.08548931	0.14855571	0.1045392
A_55_P1986	227.3 Detected	87.8 Detected	92 Detected	27.5 Not Detect	Rps6ka2	0.120985482	0.40475143	0.31321185	1.047836
A_55_P2269	76.7 Detected	11.8 Not Detect	13.8 Not Detect	9.2 Not Detect	Fam107a	0.119947849	0.17992177	0.77966102	1.1694915
A_55_P2177	79.3 Detected	20.5 Detected	12.1 Not Detect	9.4 Not Detect	Lepr	0.118537201	0.15258512	0.45853659	0.5902439
A_55_P1973	876.5 Detected	478.7 Detected	556.4 Detected	102.8 Detected	Stra6	0.117284655	0.63479749	0.21474828	1.1623146
A_55_P2110	184.2 Detected	27.2 Detected	29.2 Detected	21.5 Not Detect	Gpr153	0.116720955	0.15852334	0.79044118	1.0735294
A_55_P2031	160.3 Detected	418.7 Detected	23.2 Detected	18.6 Not Detect	Igf1	0.116032439	0.14472863	0.04442321	0.0554096
A_55_P1989	18235.2 Detected	4474.5 Detected	8157.9 Detected	2109.2 Detected	Slco4a1	0.115666403	0.44737102	0.47138228	1.8231981
A_55_P2040	10437.4 Detected	1795.6 Detected	294.7 Detected	1203.2 Detected	Pmp22	0.115277751	0.028235	0.67008242	0.1641234
A_55_P2018	77.3 Detected	7.6 Not Detect	3.2 Not Detect	8.9 Not Detect	Sgip1	0.115135834	0.04139715	1.17105263	0.4210526
A_55_P2037	82.6 Detected	63.2 Detected	123.9 Detected	9.5 Not Detect	Atp1a3	0.115012107	1.5	0.15031646	1.960443
A_51_P3425	696.6 Detected	281.1 Detected	88.8 Detected	79.4 Detected	Akap12	0.113982199	0.12747631	0.28246176	0.3159018
A_51_P1986	154.1 Detected	29.8 Detected	58.2 Detected	17.4 Not Detect	Ttc36	0.112913692	0.37767683	0.58389262	1.9530201
A_55_P1996	1213.1 Detected	514.9 Detected	119.2 Detected	136 Detected	Cachd1	0.112109472	0.09826065	0.26412896	0.2315013
A_55_P2091	130.7 Detected	86.1 Detected	19.1 Detected	14.6 Not Detect	Rassf2	0.111706197	0.14613619	0.16957027	0.2218351
A_51_P2417	79.2 Detected	42.6 Detected	3.2 Not Detect	8.8 Not Detect	4930579C12Rik	0.111111111	0.04040404	0.20657277	0.0751174

A_51_P2691	86.1	Detected	15.1	Not Detect	18.1	Detected	9.5	Not Detect	Mmp19	0.110336818	0.21022067	0.62913907	1.1986755
A_55_P2060	82	Detected	148.9	Detected	8.6	Not Detect	8.9	Not Detect	BC005764	0.108536585	0.10487805	0.05977166	0.0577569
A_66_P1065	3304.1	Detected	216	Detected	253.6	Detected	357.3	Detected	Gm2022	0.108138374	0.07675312	1.65416667	1.1740741
A_55_P1970	568.8	Detected	4063.7	Detected	33.2	Detected	61.5	Detected	Pknox2	0.108122363	0.0583685	0.01513399	0.0081699
A_55_P2035	388.1	Detected	30769.9	Detected	3.8	Not Detect	41.8	Not Detect	Penk	0.1077042	0.00979129	0.00135847	0.0001235
A_55_P1975	43933.7	Detected	6578.8	Detected	7785.3	Detected	4671.4	Detected	Bcl2l15	0.106328399	0.17720565	0.71006871	1.1833921
A_51_P4857	88.6	Detected	18.7	Detected	27.7	Detected	9.4	Not Detect	Nts	0.106094808	0.31264108	0.5026738	1.4812834
A_55_P1978	114.6	Detected	274.1	Detected	14.6	Not Detect	12.1	Not Detect	Artn	0.105584642	0.12739965	0.04414447	0.0532652
A_51_P1150	349.4	Detected	259	Detected	78.3	Detected	36.8	Not Detect	Edn1	0.105323412	0.22409845	0.14208494	0.3023166
A_51_P4851	221.3	Detected	173.4	Detected	3.6	Not Detect	23.3	Not Detect	Cplx2	0.105286941	0.01626751	0.1343714	0.0207612
A_55_P2169	990.4	Detected	439.3	Detected	101.1	Detected	104.1	Detected	Gm1966	0.105109047	0.10207997	0.2369679	0.2301389
A_51_P2556	105.2	Detected	11.7	Not Detect	104.6	Detected	11	Not Detect	Mmp3	0.104562738	0.99429658	0.94017094	8.9401709
A_55_P1964	9731.3	Detected	10593	Detected	7.3	Not Detect	1013.8	Detected	Gm1673	0.104179298	0.00075016	0.09570471	0.0006891
A_55_P2040	33777.8	Detected	8995.8	Detected	13452.7	Detected	3495.2	Detected	Itga7	0.103476248	0.39827046	0.38853687	1.4954423
A_55_P2006	81.2	Detected	4	Not Detect	3	Not Detect	8.3	Not Detect	C130073F10Rik	0.102216749	0.03694581	2.075	0.75
A_55_P2093	10458.4	Detected	454.9	Detected	822.7	Detected	1068.8	Detected	Gm2016	0.102195364	0.07866404	2.34952737	1.8085293
A_55_P2050	125.6	Detected	34.8	Detected	74.6	Detected	12.8	Not Detect	Ptpdc1	0.101910828	0.59394904	0.36781609	2.1436782
A_55_P1971	313.9	Detected	15.2	Not Detect	7.9	Not Detect	31.9	Not Detect	Serpinh9f	0.101624721	0.02516725	2.09868421	0.5197368
A_55_P1996	3444.2	Detected	1636.6	Detected	322.4	Detected	347	Detected	Gvin1	0.100749085	0.09360664	0.21202493	0.1969938
A_55_P2093	93.1	Detected	12.6	Not Detect	7.6	Not Detect	9.3	Not Detect	Meig1	0.099892589	0.08163265	0.73809524	0.6031746
A_55_P2130	155.1	Detected	188.3	Detected	3.3	Not Detect	15.4	Not Detect	Runx3	0.09929078	0.0212766	0.08178439	0.0175252
A_51_P3486	216.6	Detected	646.9	Detected	81.9	Detected	21.5	Not Detect	Ramp1	0.099261311	0.37811634	0.03323543	0.1266038
A_55_P2279	96.5	Detected	80.8	Detected	100.6	Detected	9.4	Not Detect	2810404M03Rik	0.097409326	1.04248705	0.11633663	1.2450495
A_52_P1144	92.4	Detected	5.3	Not Detect	10.7	Not Detect	9	Not Detect	Rab6b	0.097402597	0.11580087	1.69811321	2.0188679
A_55_P2043	248.9	Detected	72.7	Detected	12.6	Not Detect	24.2	Not Detect	Fam89a	0.097227802	0.05062274	0.33287483	0.173315
A_51_P2548	11557	Detected	12182.2	Detected	645.8	Detected	1117.5	Detected	Ptgs2	0.096694644	0.05587955	0.0917322	0.0530118
A_55_P2094	111.6	Detected	66.9	Detected	32.2	Detected	10.5	Not Detect	Ly75	0.094086022	0.28853047	0.15695067	0.4813154
A_55_P1953	3186.3	Detected	3808.2	Detected	1248.9	Detected	297.7	Detected	Atp6v0a4	0.093431253	0.39195933	0.07817342	0.3279502
A_55_P2002	181.2	Detected	289.5	Detected	5.9	Not Detect	16.9	Not Detect	Zcchc24	0.093267108	0.03256071	0.05837651	0.02038
A_66_P1028	97.7	Detected	192.5	Detected	3.3	Not Detect	9.1	Not Detect	Ccbe1	0.093142272	0.03377687	0.04727273	0.0171429
A_65_P1605	106.6	Detected	8	Not Detect	12.5	Not Detect	9.9	Not Detect	Tgfb3	0.092870544	0.11726079	1.2375	1.5625
A_51_P1955	16316.5	Detected	6983.8	Detected	3514.9	Detected	1513.6	Detected	Csf1	0.092764992	0.21541997	0.21673015	0.5032933
A_55_P2030	469.8	Detected	525.3	Detected	17.7	Not Detect	43.4	Not Detect	Scmh1	0.092379736	0.03767561	0.08261946	0.033695
A_55_P2096	677	Detected	1349	Detected	28	Detected	62.5	Detected	Steap3	0.092319055	0.04135894	0.04633062	0.0207561
A_51_P3023	280.4	Detected	434.6	Detected	110.1	Detected	25.8	Not Detect	Fgfbp1	0.092011412	0.39265335	0.05936493	0.2533364
A_55_P2163	1100.3	Detected	844.1	Detected	3.6	Not Detect	101.2	Detected	Hoxb13	0.091974916	0.00327183	0.11989101	0.0042649
A_55_P2046	105.7	Detected	79.1	Detected	120	Detected	9.7	Not Detect	Duoxa1	0.091769158	1.13528855	0.12262958	1.517067
A_55_P2160	1433.4	Detected	420.7	Detected	171.7	Detected	129.5	Detected	Plscr2	0.090344635	0.11978513	0.3078203	0.4081293
A_51_P2754	4055.5	Detected	526.7	Detected	5031.3	Detected	363.7	Detected	2310007B03Rik	0.089680681	1.24061152	0.69052592	9.5524967
A_52_P8197	93.5	Detected	39.5	Detected	19.1	Detected	8.3	Not Detect	Slc17a6	0.088770053	0.20427807	0.21012658	0.4835443

A_55_P2013	224.7	Detected	46.5	Detected	23.2	Detected	19.9	Not Detect	Islr2	0.088562528	0.10324878	0.42795699	0.4989247
A_55_P2076	221.8	Detected	138.4	Detected	25.9	Detected	19.6	Not Detect	Mdfi	0.088367899	0.11677187	0.1416185	0.1871387
A_66_P1077	1649.6	Detected	554.8	Detected	268.4	Detected	145.6	Detected	Smox	0.088263822	0.16270611	0.26243691	0.4837779
A_55_P2066	4572.7	Detected	2487.4	Detected	3.1	Not Detect	401.1	Detected	Enah	0.087716229	0.00067794	0.16125271	0.0012463
A_55_P1962	327.2	Detected	73	Detected	462.7	Detected	28.2	Not Detect	Afap112	0.086185819	1.4141198	0.38630137	6.3383562
A_51_P1455	106.9	Detected	10.9	Not Detect	3.3	Not Detect	9.2	Not Detect	Pr12a1	0.08606174	0.03086997	0.8440367	0.3027523
A_51_P1551	1064.9	Detected	685.5	Detected	132	Detected	91	Detected	Abtb2	0.085454033	0.1239553	0.13274982	0.1925602
A_51_P1968	131.1	Detected	24.7	Detected	52.7	Detected	11.2	Not Detect	Amdhd1	0.085430969	0.40198322	0.4534413	2.1336032
A_55_P1956	4878.6	Detected	1176	Detected	16.9	Not Detect	410.6	Detected	Rab38	0.08416349	0.00346411	0.34914966	0.0143707
A_55_P2032	691.5	Detected	257.1	Detected	2487.9	Detected	56.2	Detected	Habp2	0.081272596	3.5978308	0.21859199	9.6767795
A_55_P2143	885	Detected	174.3	Detected	292.2	Detected	71.9	Detected	Ugt1a6b	0.081242938	0.33016949	0.41250717	1.67642
A_55_P2085	170.3	Detected	452.2	Detected	8	Not Detect	13.8	Not Detect	Igf1	0.08103347	0.04697592	0.03051747	0.0176913
A_52_P2827	513.6	Detected	72.7	Detected	47.9	Detected	41.5	Not Detect	Sdc3	0.080802181	0.09326324	0.57083906	0.6588721
A_55_P2183	33413.4	Detected	19985.8	Detected	269.1	Detected	2699.3	Detected	Cldn3	0.080784955	0.00805366	0.13506089	0.0134646
A_55_P1962	112.9	Detected	170.1	Detected	3.3	Not Detect	9.1	Not Detect	Zic2	0.080602303	0.02922941	0.05349794	0.0194004
A_55_P2001	3346.9	Detected	1686.7	Detected	79.4	Detected	268.7	Detected	Zfp503	0.080283247	0.02372345	0.15930515	0.0470742
A_55_P2027	118.3	Detected	38.8	Detected	3.4	Not Detect	9.4	Not Detect	Rgs3	0.079459003	0.02874049	0.24226804	0.0876289
A_55_P2414	117.7	Detected	57.2	Detected	44.1	Detected	9.2	Not Detect	1110002E22Rik	0.078164826	0.37468139	0.16083916	0.770979
A_52_P5188	723	Detected	288	Detected	47.6	Detected	56.2	Detected	Mmd	0.077731674	0.06583679	0.19513889	0.1652778
A_52_P3084	136.5	Detected	38.8	Detected	3.8	Not Detect	10.5	Not Detect	Plxnb1	0.076923077	0.02783883	0.27061856	0.0979381
A_55_P1975	2510.6	Detected	348.9	Detected	409.7	Detected	192.4	Detected	Bcl2l15	0.076635067	0.16318808	0.55144741	1.174262
A_55_P2003	738.1	Detected	1232.8	Detected	59.2	Detected	56.1	Detected	Nrcam	0.076005961	0.08020593	0.04550616	0.0480208
A_55_P2004	246504.9	Detected	18818.1	Detected	7519.8	Detected	18464.6	Detected	Pr12c5	0.07490561	0.03050568	0.98121489	0.3996046
A_55_P2167	122.3	Detected	5.6	Not Detect	3.2	Not Detect	9.1	Not Detect	Gm6093	0.074407195	0.02616517	1.625	0.5714286
A_55_P2053	232.8	Detected	108.3	Detected	227.6	Detected	17.2	Not Detect	Epas1	0.073883162	0.97766323	0.1588181	2.1015697
A_51_P3376	129.1	Detected	41.1	Detected	40.7	Detected	9.5	Not Detect	Cd53	0.073586367	0.31525949	0.23114355	0.9902676
A_51_P2252	34822.2	Detected	28021.5	Detected	14305.5	Detected	2556.8	Detected	Htra1	0.073424425	0.41081551	0.09124422	0.5105187
A_55_P1998	538.1	Detected	19.3	Detected	2011.4	Detected	39.2	Not Detect	S100a9	0.072848913	3.73796692	2.03108808	104.21762
A_51_P2867	13912.7	Detected	4331.8	Detected	6642.3	Detected	992.2	Detected	Ccl2	0.071316136	0.4774271	0.22905028	1.533381
A_51_P2492	426	Detected	7281.5	Detected	11.5	Not Detect	30.3	Not Detect	Rgs16	0.071126761	0.02699531	0.00416123	0.0015793
A_55_P2077	1206	Detected	618.9	Detected	91.9	Detected	85.5	Detected	Sod3	0.070895522	0.07620232	0.13814833	0.1484893
A_55_P1998	5671.3	Detected	1755.1	Detected	829.3	Detected	397.6	Detected	Smox	0.070107383	0.1462275	0.2265398	0.4725087
A_65_P0131	144	Detected	180.7	Detected	5.2	Not Detect	10	Not Detect	Pde4b	0.069444444	0.03611111	0.05534034	0.028777
A_66_P1042	135.1	Detected	8.7	Not Detect	11.6	Not Detect	9.2	Not Detect	1700112E06Rik	0.068097705	0.08586232	1.05747126	1.3333333
A_55_P2095	147.9	Detected	61.6	Detected	78.1	Detected	10	Not Detect	Kalrn	0.067613252	0.5280595	0.16233766	1.2678571
A_51_P2568	3790	Detected	209.4	Detected	290	Detected	254.2	Detected	S100a8	0.06707124	0.07651715	1.2139446	1.3849093
A_52_P6192	203089.5	Detected	14110.1	Detected	5631.6	Detected	13478.5	Detected	Pr12c5	0.066367291	0.02772965	0.95523774	0.3991184
A_51_P4407	8437	Detected	4641.6	Detected	906.4	Detected	552.4	Detected	Celsr1	0.06547351	0.10743155	0.11901069	0.1952775
A_55_P2017	2352.3	Detected	1143.2	Detected	752.4	Detected	153.9	Detected	Csf1	0.065425328	0.31985716	0.13462211	0.6581526
A_55_P2362	432.1	Detected	225.5	Detected	100.6	Detected	28	Not Detect	4930471E19Rik	0.064799815	0.23281648	0.12416851	0.4461197

A_66_P1279	152.2 Detected	331.1 Detected	3.5 Not Detect	9.8 Not Detect Bcat1	0.064388962	0.02299606	0.02959831	0.0105708
A_51_P2575	9491.2 Detected	1474.3 Detected	892.2 Detected	606.2 Detected Marcks11	0.06386969	0.09400287	0.41117819	0.6051686
A_55_P2319	638.8 Detected	277.5 Detected	19.1 Detected	40.5 Not Detect AW011956	0.063400125	0.02989981	0.14594595	0.0688288
A_52_P1254	156.5 Detected	75.5 Detected	7.3 Not Detect	9.9 Not Detect Slc25a48	0.063258786	0.04664537	0.13112583	0.0966887
A_51_P1266	4014.6 Detected	1843.7 Detected	87.7 Detected	253.6 Detected Zfp503	0.063169432	0.02184526	0.13754949	0.0475674
A_55_P2394	5216.9 Detected	1045.2 Detected	165.2 Detected	320 Detected Fst	0.061339109	0.03166632	0.3061615	0.1580559
A_52_P3047	145.1 Detected	76.8 Detected	3.2 Not Detect	8.9 Not Detect Cr1f1	0.061337009	0.02205376	0.11588542	0.0416667
A_55_P2169	2552.2 Detected	1245.4 Detected	810.2 Detected	155.5 Detected Csf1	0.060927827	0.31745161	0.12485948	0.650554
A_55_P2017	149.5 Detected	69.4 Detected	47.7 Detected	9.1 Not Detect Lamc3	0.060869565	0.31906355	0.13112392	0.6873199
A_52_P5325	153.2 Detected	17.6 Detected	37.9 Detected	9.3 Not Detect Thrb	0.060704961	0.24738903	0.52840909	2.1534091
A_55_P2030	179 Detected	93.5 Detected	139.7 Detected	10.8 Not Detect Eda	0.060335196	0.78044693	0.11550802	1.4941176
A_55_P2000	156.5 Detected	14.9 Not Detect	5 Not Detect	9.4 Not Detect Axin2	0.060063898	0.03194888	0.63087248	0.3355705
A_55_P1971	359.6 Detected	12.3 Not Detect	3.3 Not Detect	20.7 Not Detect Serpinb9e	0.05756396	0.00917686	1.68292683	0.2682927
A_51_P1574	179.8 Detected	19.5 Detected	45.5 Detected	10.3 Not Detect Rgn	0.057285873	0.25305895	0.52820513	2.3333333
A_52_P4957	168.3 Detected	6.6 Not Detect	3.4 Not Detect	9.6 Not Detect Kcnmb3	0.057040998	0.02020202	1.45454545	0.5151515
A_52_P2575	12535.7 Detected	2038.4 Detected	4808 Detected	704.1 Detected Igfbp4	0.056167585	0.3835446	0.34541797	2.3587127
A_55_P2141	6793.7 Detected	3470.5 Detected	359.8 Detected	378.2 Detected Eya2	0.055669223	0.05296083	0.10897565	0.1036738
A_52_P2854	162.5 Detected	1255.3 Detected	566.6 Detected	9 Not Detect Lrp2	0.055384615	3.48676923	0.0071696	0.4513662
A_55_P2084	193.4 Detected	50 Detected	50.6 Detected	10.5 Not Detect Nid1	0.054291624	0.26163392	0.21	1.012
A_51_P4728	7912.5 Detected	3074.8 Detected	1815.8 Detected	423.9 Detected Aif11	0.05357346	0.22948499	0.13786263	0.5905425
A_52_P2480	395 Detected	163.8 Detected	3 Not Detect	21 Not Detect Chsy3	0.053164557	0.00759494	0.12820513	0.018315
A_55_P2019	192.5 Detected	896 Detected	3.7 Not Detect	10.1 Not Detect Adra1d	0.052467532	0.01922078	0.01127232	0.0041295
A_51_P2117	187.1 Detected	749.7 Detected	7 Not Detect	9.7 Not Detect Chst13	0.051843934	0.03741315	0.01293851	0.0093371
A_52_P2057	599.2 Detected	197.2 Detected	136.6 Detected	30.4 Not Detect Vgll4	0.050734312	0.22797063	0.15415822	0.6926978
A_51_P2680	203.9 Detected	302 Detected	3.7 Not Detect	10.3 Not Detect Six1	0.050514958	0.01814615	0.03410596	0.0122517
A_66_P1071	850.6 Detected	373.7 Detected	98.6 Detected	42.8 Detected 3300005D01Rik	0.050317423	0.11591818	0.11453037	0.263848
A_51_P2387	182.8 Detected	51 Detected	3.2 Not Detect	9.1 Not Detect Cd93	0.049781182	0.01750547	0.17843137	0.0627451
A_66_P1191	177.4 Detected	156.6 Detected	5.4 Not Detect	8.8 Not Detect Zfp354c	0.049605411	0.03043968	0.05619413	0.0344828
A_52_P5672	1995.3 Detected	147.4 Detected	28.9 Detected	95.8 Detected Ppef1	0.04801283	0.01448404	0.64993216	0.1960651
A_55_P2003	591.4 Detected	139.5 Detected	53.2 Detected	28.3 Not Detect Asgr1	0.047852553	0.08995604	0.20286738	0.381362
A_55_P2162	201.2 Detected	537.6 Detected	4.9 Not Detect	9.6 Not Detect Kctd15	0.047713718	0.02435388	0.01785714	0.0091146
A_55_P2183	124061.7 Detected	6526.6 Detected	2526.3 Detected	5875.6 Detected Prl2c1	0.047360305	0.02036325	0.90025434	0.3870775
A_55_P2092	344.3 Detected	600.4 Detected	17.2 Detected	16.3 Not Detect Emp2	0.047342434	0.04995643	0.02714857	0.0286476
A_55_P2027	231 Detected	180.5 Detected	13.1 Not Detect	10.9 Not Detect Il1rl1	0.047186147	0.05670996	0.06038781	0.0725762
A_55_P2023	222.9 Detected	89 Detected	12 Not Detect	10.3 Not Detect Prg4	0.046209062	0.0538358	0.11573034	0.1348315
A_55_P2082	195 Detected	3.1 Not Detect	3.2 Not Detect	8.8 Not Detect Lingo2	0.045128205	0.01641026	2.83870968	1.0322581
A_51_P1103	1470.1 Detected	317.2 Detected	750.9 Detected	64.5 Detected C3	0.043874566	0.51078158	0.20334174	2.3672762
A_55_P2052	3349.6 Detected	1945.2 Detected	123 Detected	140.8 Detected Cr1f1	0.04203487	0.0367208	0.0723833	0.0632326
A_55_P2140	199.9 Detected	412.4 Detected	3 Not Detect	8.3 Not Detect Qpct	0.04152076	0.0150075	0.02012609	0.0072745
A_55_P1987	287.2 Detected	22.6 Detected	22.2 Detected	11.8 Not Detect Gpr115	0.041086351	0.07729805	0.52212389	0.9823009

A_55_P1985	7981.8	Detected	9620	Detected	5.7	Not Detect	327.3	Detected	Nrg1	0.041005788	0.00071412	0.03402287	0.0005925
A_51_P4258	206.4	Detected	100	Detected	67.1	Detected	8.4	Not Detect	Ulbp1	0.040697674	0.3250969	0.084	0.671
A_51_P2064	211.6	Detected	125.1	Detected	3.1	Not Detect	8.6	Not Detect	Lce1i	0.040642722	0.01465028	0.068745	0.0247802
A_55_P2057	250.3	Detected	288.8	Detected	10.4	Not Detect	10.1	Not Detect	Fgfr1	0.040351578	0.04155014	0.0349723	0.0360111
A_51_P3397	239.4	Detected	250.2	Detected	3.4	Not Detect	9.6	Not Detect	Il1rl1	0.040100251	0.01420217	0.0383693	0.0135891
A_66_P1383	442.3	Detected	28	Detected	248.5	Detected	16.8	Not Detect	Acox2	0.037983269	0.56183586	0.6	8.875
A_51_P3631	4086.2	Detected	1360.9	Detected	543.3	Detected	151.2	Detected	Cxcl1	0.037002594	0.13295972	0.11110295	0.3992211
A_51_P5129	478.7	Detected	143.4	Detected	12	Not Detect	17.6	Not Detect	Entpd3	0.036766242	0.02506789	0.12273361	0.083682
A_55_P1992	257.5	Detected	243.1	Detected	3.3	Not Detect	9.4	Not Detect	Ddr2	0.036504854	0.01281553	0.03866722	0.0135747
A_51_P4309	1120.7	Detected	458.4	Detected	77.2	Detected	39	Not Detect	Fam20a	0.034799679	0.06888552	0.08507853	0.1684119
A_55_P2163	3437.4	Detected	33.3	Detected	110.4	Detected	115.6	Detected	Rspo3	0.033630069	0.0321173	3.47147147	3.3153153
A_51_P2677	1507.8	Detected	1245.5	Detected	3.3	Not Detect	49.2	Detected	Ddr2	0.032630322	0.00218862	0.03950221	0.0026495
A_55_P2046	146364.7	Detected	86985	Detected	33156.4	Detected	4763.9	Detected	Sparc	0.032548149	0.22653276	0.05476691	0.3811738
A_66_P1190	5442.6	Detected	4409.2	Detected	1013.9	Detected	174.1	Detected	Pla2g7	0.031988388	0.18628964	0.03948562	0.229951
A_51_P4051	423.4	Detected	221.9	Detected	3.8	Not Detect	13.1	Not Detect	Maf	0.030940009	0.00897496	0.0590356	0.0171248
A_66_P1147	724.4	Detected	598.2	Detected	198.8	Detected	22	Not Detect	Pla2g7	0.030369961	0.27443401	0.036777	0.3323303
A_51_P4130	4734.1	Detected	525.9	Detected	2824.2	Detected	141.7	Detected	Mcpt8	0.029931772	0.59656535	0.26944286	5.3702225
A_55_P1954	3304.4	Detected	5388.2	Detected	155.5	Detected	98.2	Detected	Prickle1	0.029717952	0.04705847	0.01822501	0.0288594
A_55_P2000	14704.4	Detected	4370.4	Detected	3.4	Not Detect	426	Detected	Mvb12b	0.02897092	0.00023122	0.09747392	0.000778
A_55_P2082	1380.8	Detected	671.2	Detected	88.3	Detected	39.8	Not Detect	5430435G22Rik	0.02882387	0.06394844	0.05929678	0.1315554
A_51_P2127	311.2	Detected	552.9	Detected	8.5	Not Detect	8.9	Not Detect	Tgfb1	0.028598972	0.02731362	0.01609694	0.0153735
A_55_P1997	353.3	Detected	21.7	Detected	23.1	Detected	10	Not Detect	Il6	0.028304557	0.06538353	0.46082949	1.0645161
A_51_P2039	557.3	Detected	93.1	Detected	33.5	Detected	15.4	Not Detect	Gbp2	0.027633232	0.06011125	0.16541353	0.3598281
A_51_P3830	497.3	Detected	17.5	Detected	6.4	Not Detect	12.9	Not Detect	Clec4d	0.025940076	0.0128695	0.73714286	0.3657143
A_55_P2046	4009.9	Detected	2240.2	Detected	677.4	Detected	103.3	Detected	Sparc	0.025761241	0.16893189	0.04611195	0.3023837
A_51_P2751	1428.5	Detected	2102	Detected	363.3	Detected	36.5	Not Detect	Chst11	0.025551278	0.25432272	0.01736441	0.1728354
A_55_P2023	4899.5	Detected	539.3	Detected	135.3	Detected	119.9	Detected	Grhl3	0.024471885	0.02761506	0.22232524	0.2508808
A_55_P1964	1542	Detected	1432.2	Detected	11.6	Not Detect	37.7	Not Detect	Tfap2a	0.024448768	0.0075227	0.02632314	0.0080994
A_51_P2174	416.4	Detected	17.6	Detected	7.7	Not Detect	9.5	Not Detect	Cxcl2	0.022814601	0.01849183	0.53977273	0.4375
A_52_P5286	9608.1	Detected	904.7	Detected	4743.1	Detected	213.3	Detected	Hhex	0.022200019	0.49365639	0.23576876	5.2427324
A_55_P2079	431.2	Detected	784.3	Detected	3.5	Not Detect	8.9	Not Detect	Bcat1	0.020640074	0.00811688	0.0113477	0.0044626
A_51_P1737	3266.2	Detected	475.3	Detected	644.3	Detected	63.5	Detected	Gprc5b	0.019441553	0.19726287	0.13359983	1.3555649
A_52_P3621	26052.2	Detected	23770.7	Detected	24	Detected	494.2	Detected	Fam3c	0.018969607	0.00092123	0.0207903	0.0010096
A_51_P2571	1068.8	Detected	105.7	Detected	143.1	Detected	19.9	Not Detect	Krt76	0.018619012	0.13388847	0.18826868	1.3538316
A_55_P1971	456.7	Detected	11.7	Not Detect	3.1	Not Detect	8.5	Not Detect	Serp1nb9g	0.01861178	0.00678783	0.72649573	0.2649573
A_51_P1126	765.8	Detected	719.8	Detected	111.8	Detected	14.2	Not Detect	St6galnac2	0.0185427	0.14599112	0.0197277	0.1553209
A_55_P2037	1170.9	Detected	83.6	Detected	113.6	Detected	20.3	Not Detect	2610305D13Rik	0.017337091	0.09701939	0.24282297	1.3588517
A_51_P1169	2687.4	Detected	673.7	Detected	691.5	Detected	45.4	Not Detect	Rapgef3	0.016893652	0.2573119	0.06738905	1.0264213
A_51_P2574	592.6	Detected	38.6	Detected	3.6	Not Detect	10	Not Detect	Lhx2	0.016874789	0.00607492	0.25906736	0.0932642
A_51_P1570	559.2	Detected	863.7	Detected	3.3	Not Detect	9.2	Not Detect	Gas1	0.016452074	0.00590129	0.01065185	0.0038208

A_52_P8201	690.5	Detected	20.6	Detected	45.5	Detected	11.1	Not Detect	Cxcl15	0.016075308	0.06589428	0.53883495	2.2087379
A_55_P2137	2400.8	Detected	292.6	Detected	728	Detected	36.6	Not Detect	Gprc5b	0.015244918	0.30323226	0.12508544	2.4880383
A_52_P2783	574	Detected	22.1	Detected	7.7	Not Detect	8.5	Not Detect	Bmp7	0.014808362	0.01341463	0.38461538	0.3484163
A_51_P1650	681.2	Detected	192.3	Detected	50.2	Detected	9.8	Not Detect	Snai1	0.014386377	0.07369348	0.05096204	0.2610504
A_55_P1979	640.7	Detected	18.3	Detected	13.9	Not Detect	9.2	Not Detect	Sprr2g	0.014359295	0.02169502	0.50273224	0.7595628
A_55_P2114	742	Detected	470.4	Detected	10	Not Detect	9.9	Not Detect	Cadm1	0.013342318	0.01347709	0.02104592	0.0212585
A_52_P2328	9527.8	Detected	1187.3	Detected	222.2	Detected	115.8	Detected	Cxcl3	0.012153908	0.02332123	0.09753222	0.1871473
A_52_P5322	754.4	Detected	919.4	Detected	3.3	Not Detect	9.1	Not Detect	S1pr1	0.012062566	0.00437434	0.00989776	0.0035893
A_55_P1977	3862.7	Detected	5729	Detected	3.2	Not Detect	46.3	Detected	Cck	0.011986434	0.00082844	0.00808169	0.0005586
A_51_P2796	751.2	Detected	13.3	Not Detect	5	Not Detect	9	Not Detect	Cyp1a1	0.011980831	0.00665602	0.67669173	0.3759398
A_52_P5089	807.2	Detected	60.9	Detected	96.4	Detected	9.5	Not Detect	Igf2bp3	0.011769078	0.11942517	0.15599343	1.5829228
A_51_P3054	2729.1	Detected	6320.2	Detected	3.3	Not Detect	31.9	Not Detect	Rcn1	0.011688835	0.00120919	0.00504731	0.0005221
A_51_P4072	3005.7	Detected	299.4	Detected	1863.7	Detected	34.5	Not Detect	Antxr1	0.011478191	0.62005523	0.11523046	6.2247829
A_51_P1721	6015.5	Detected	350.7	Detected	2706.5	Detected	68.9	Detected	Hal	0.011453744	0.44992104	0.19646421	7.7174223
A_52_P3908	791.3	Detected	1419	Detected	3.2	Not Detect	9	Not Detect	Ccbe1	0.011373689	0.00404398	0.00634249	0.0022551
A_55_P2000	970.5	Detected	527.4	Detected	17.2	Not Detect	10.3	Not Detect	Spink2	0.010613086	0.01772282	0.01952977	0.0326128
A_55_P1960	1026.5	Detected	2186	Detected	3.7	Not Detect	10.2	Not Detect	Bcat1	0.009936678	0.00360448	0.00466606	0.0016926
A_52_P4767	1086.9	Detected	3386.1	Detected	79.3	Detected	10.6	Not Detect	Ubash3b	0.009752507	0.07295979	0.00313045	0.0234193
A_55_P2167	1123.3	Detected	368	Detected	3.4	Not Detect	9.6	Not Detect	Mmd	0.008546248	0.0030268	0.02608696	0.0092391
A_51_P4029	1311.2	Detected	2550.3	Detected	904.2	Detected	10.2	Not Detect	Ddx3y	0.007779134	0.68959732	0.00399953	0.3545465
A_55_P2043	1414.4	Detected	84.8	Detected	3.8	Not Detect	10.5	Not Detect	Hmga2	0.007423643	0.00268665	0.12382075	0.0448113
A_55_P2126	1298.2	Detected	10.5	Not Detect	49.9	Detected	9.4	Not Detect	Lgr5	0.007240795	0.03843784	0.8952381	4.752381
A_55_P2139	1575.8	Detected	777.1	Detected	17.8	Not Detect	10.2	Not Detect	Fgf13	0.006472903	0.01129585	0.01312572	0.0229057
A_55_P2093	1652	Detected	468.2	Detected	3.8	Not Detect	10.4	Not Detect	Mmd	0.0062954	0.00230024	0.02221273	0.0081162
A_52_P3007	5935.6	Detected	330.6	Detected	13.5	Not Detect	36.9	Not Detect	Hmga2	0.006216726	0.00227441	0.11161525	0.0408348
A_52_P2530	1583.8	Detected	186.6	Detected	3.4	Not Detect	9.5	Not Detect	Syt13	0.005998232	0.00214674	0.05091104	0.0182208
A_52_P1750	1624.9	Detected	652.5	Detected	3.2	Not Detect	9	Not Detect	Cachd1	0.005538802	0.00196935	0.0137931	0.0049042
A_51_P4283	1939.8	Detected	250.9	Detected	15.3	Not Detect	10.5	Not Detect	Pbbp	0.005412929	0.00788741	0.04184934	0.0609805
A_55_P2101	5108.3	Detected	1653.5	Detected	90.3	Detected	26	Not Detect	Ramp3	0.005089756	0.01767711	0.01572422	0.0546114
A_51_P1242	1964.8	Detected	2042.4	Detected	3.6	Not Detect	10	Not Detect	Col4a1	0.005089577	0.00183225	0.0048962	0.0017626
A_52_P6768	2213.9	Detected	1965.1	Detected	3.6	Not Detect	10	Not Detect	Bnc1	0.004516916	0.00162609	0.0050888	0.001832
A_52_P2034	2446.3	Detected	43.8	Detected	34.5	Detected	10.3	Not Detect	U90926	0.00421044	0.01410293	0.23515982	0.7876712
A_52_P4723	33927.8	Detected	428.9	Detected	874.6	Detected	130.8	Detected	Slpi	0.003855246	0.02577827	0.30496619	2.03917
A_51_P4372	2965.2	Detected	4081.4	Detected	8.8	Not Detect	10.4	Not Detect	Emp2	0.003507352	0.00296776	0.00254815	0.0021561
A_51_P3596	40650.6	Detected	3781.7	Detected	4000.8	Detected	134.9	Detected	Itgb7	0.003318524	0.09841921	0.03567179	1.0579369
A_55_P2028	3058.2	Detected	2611	Detected	37.7	Detected	10	Not Detect	Stac	0.003269897	0.01232751	0.00382995	0.0144389
A_55_P1954	5062.4	Detected	1609.1	Detected	112.6	Detected	15.5	Not Detect	Ramp3	0.003061789	0.02224241	0.00963271	0.069977
A_55_P2011	3234.3	Detected	5312.4	Detected	2250.3	Detected	9.2	Not Detect	Eif2s3y	0.00284451	0.69576106	0.0017318	0.4235939
A_51_P4146	5840.9	Detected	3911.6	Detected	3.4	Not Detect	13.7	Not Detect	Col5a1	0.002345529	0.0005821	0.0035024	0.0008692
A_51_P4259	15704	Detected	20559.1	Detected	3.4	Not Detect	21.4	Not Detect	Khdrbs3	0.00136271	0.00021651	0.0010409	0.0001654