

Serum proteins may facilitate the identification of Kawasaki disease and promote *in vitro* neutrophil infiltration

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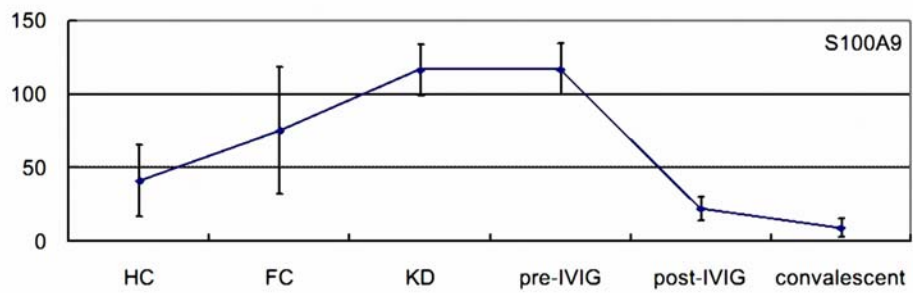
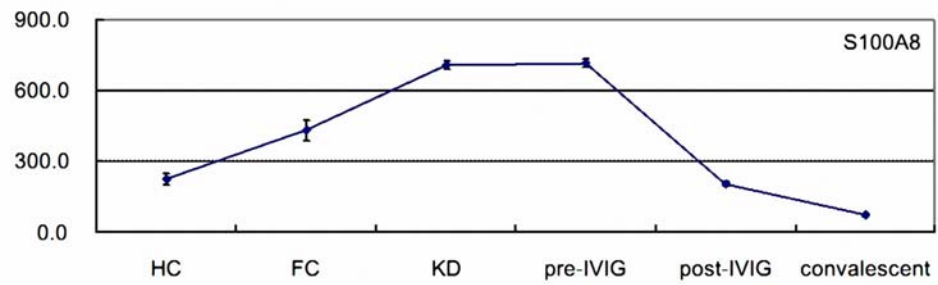
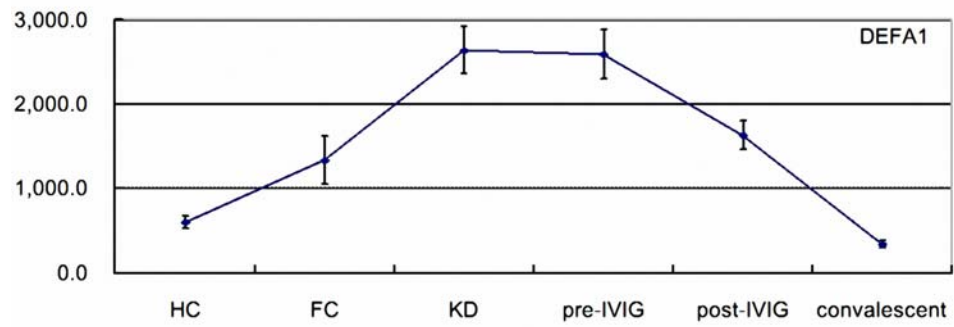
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Running title: S100A12's pathogenic roles in KD

Supplementary Figure 1. Cytokine variations among different subjects and with IVIG administration. To compare the cytokine variations, we integrated the data of Figure 1b and Figure 3 into Table 3. To provide a comprehensive comparison, we plotted the variations of three serum proteins. After three weeks of IVIG administration (convalescent set), the concentrations of S100A8, S100A9 and DEFA1 significantly declined even lower than those of the HC set (p-value= 1.223E-10, 2.418E-08 and 0.001 for S100A8, S100A9 and DEFA1, respectively). The sample sizes of the HC, FC KD, pre-IVIG, post-IVIG and convalescent sets are 37, 28, 78, 63, 63 and 63, respectively. Data were presented as the mean±SEM.



Supplementary Table 1. The abundances of serum proteins quantified by iTRAQ. We had two pooled FC and two pooled KD serum samples analyzed with iTRAQ. The abundances of these serum proteins were shown in this table.

Accession	Exp. q-value	Coverage	# Protein Groups	# Peptides	# Unique Peptides	# PSMs	MW [kDa]	Abundances: 114-KD	Abundances: 115-FC	Abundances: 116-KD	Abundances: 117-FC
P98160	0.0000E+00	0.9793	1	2	2	2	468.5	6.6	11.1	11.8	13.7
P59665	5.0000E-03	32.9787	1	1	1	1	10.2	9.2	5.8	7.2	2.8
Q6UWP8	5.0000E-03	9.1525	1	1	1	2	60.5	9.6	11.9	10.6	12.8
Q01518	6.0000E-03	3.3684	1	1	1	1	51.9	12.9	9.2	7.2	8.6
P00488	6.0000E-03	3.4153	1	1	1	1	83.2	13.7	10.1	12.6	14.2
P13716	3.0000E-03	5.7576	1	1	1	1	36.3	13.8	12.1	10.9	12.6
P06326	6.0000E-03	9.6000	1	1	1	1	13.6	14.3	12	10.7	12.1
P60900	6.0000E-03	8.5366	1	2	2	2	27.4	14.6	14.8	18.3	22.3
Q15166	0.0000E+00	7.3446	1	3	1	5	39.6	15.7	32.3	23	22
Q9H4G4	6.0000E-03	11.0390	1	1	1	1	17.2	16.2	13.4	25.4	18.6
P02788	0.0000E+00	5.2113	1	3	3	3	78.1	16.3	20	20.5	19.5
Q04721	6.0000E-03	0.8094	1	1	1	1	265.2	16.7	14.6	16.5	13.4
O75144	3.0000E-03	5.9603	1	1	1	1	33.3	17.1	18.8	14	15.4
Q9Y490	3.0000E-03	0.9839	1	2	2	2	269.6	17.9	19.2	25.4	28.2
Q99497	6.0000E-03	4.7619	1	1	1	1	19.9	18.1	26	36.9	43.3
Q6UY14	3.0000E-03	3.2588	1	2	2	2	116.5	18.3	14.8	17.4	14.4

P69892	0.0000E+00	89.7959	1	12	1	28	16.1	18.7	88.3	23.2	25.1
P01625	3.0000E-03	28.9474	1	2	2	2	12.6	20.2	13.6	15	14
Q16270	3.0000E-03	10.6383	1	2	2	2	29.1	20.7	27.2	26.9	22.7
Q13228	0.0000E+00	10.5932	1	3	3	3	52.4	20.8	26.9	27.6	34
P01593	3.0000E-03	16.6667	1	1	1	2	12	20.8	16.2	15.2	12.8
Q9H4A9	3.0000E-03	5.7613	1	2	2	2	53.3	21	23.4	15.2	20.8
Q9HCN6	3.0000E-03	7.9646	1	2	2	2	36.8	21.8	28.2	29.5	30.8
Q13449	3.0000E-03	4.7337	1	1	1	1	37.4	22.1	21.2	19.6	14.5
P18669	6.0000E-03	6.2992	1	1	1	1	28.8	22.7	19.2	19.4	17.7
P62258	0.0000E+00	10.5882	1	2	1	2	29.2	22.8	29.8	32	39
P12821	6.0000E-03	0.8423	1	1	1	1	149.6	22.9	36.7	29.3	33.7
Q8NBP7	3.0000E-03	3.9017	1	2	2	2	74.2	23.3	25.3	31	27.6
Q9Y6R7	6.0000E-03	0.7771	1	2	2	2	571.6	24.7	23.1	29.8	25.8
Q12884	0.0000E+00	5.1316	1	3	2	5	87.7	25.8	29.3	24.9	27.1
O95497	0.0000E+00	12.2807	1	4	4	4	57	27.1	27.1	26.1	32.6
Q9HDC9	3.0000E-03	5.5288	1	2	2	2	46.5	27.3	21.9	22.6	21.6
P05019	0.0000E+00	14.8718	1	2	2	4	21.8	27.6	46.1	38.3	47.4
P05164	0.0000E+00	5.6376	1	3	3	3	83.8	27.6	25.3	24.3	18.9
O00299	6.0000E-03	4.9793	1	1	1	1	26.9	27.6	28	28.1	32.5
P22897	3.0000E-03	2.8846	1	4	4	4	165.9	28.1	29.7	32.3	26.8
P03950	5.0000E-03	10.8844	1	2	2	2	16.5	28.2	38.2	34.3	43.4
P08779	0.0000E+00	10.1480	1	6	2	6	51.2	28.6	18	26.1	11.1

Q9NTU7	6.0000E-03	5.9701	1	1	1	1	21.8	30.1	35.3	31	43.6
P12109	0.0000E+00	3.7938	1	3	3	3	108.5	30.3	42.3	32	42.4
P11142	0.0000E+00	9.7523	1	5	3	6	70.9	31.1	31.9	35.9	43.5
P01034	6.0000E-03	7.5342	1	1	1	1	15.8	31.8	24.9	24.1	35.3
P02452	0.0000E+00	2.6639	1	3	3	3	138.9	32	41.4	28	58.6
P35916	0.0000E+00	4.3287	1	3	3	3	152.7	32	30.3	32.4	28.8
P10451	6.0000E-03	5.4140	1	1	1	1	35.4	32.6	33.2	36.8	30.7
P10599	3.0000E-03	31.4286	1	3	3	3	11.7	32.7	27.6	33.4	40.2
P07195	0.0000E+00	10.7784	1	3	2	4	36.6	33.2	43.4	34.5	40.6
P68032	0.0000E+00	25.1989	1	8	1	25	42	33.5	27.7	42.7	33
P67936	0.0000E+00	13.7097	1	4	3	5	28.5	33.5	32.1	51.9	50.4
O14786	3.0000E-03	2.2752	1	2	2	2	103.1	34.4	39.1	47.5	46.9
Q86U17	6.0000E-03	5.6872	1	2	2	2	47	34.8	31.9	34.1	39
Q13201	0.0000E+00	4.8046	1	4	4	5	138	35.1	29.6	18.8	18
P07942	0.0000E+00	3.4155	1	4	4	4	197.9	35.5	32.8	41.2	36.6
P32942	6.0000E-03	3.2907	1	2	2	2	59.5	35.7	44.9	44.9	48.3
P23528	0.0000E+00	25.9036	1	3	3	3	18.5	36.3	35.5	43.9	45.5
P08294	0.0000E+00	22.5000	1	3	3	4	25.8	36.8	35.3	50	34.6
Q14766	6.0000E-03	1.1040	1	2	2	2	186.7	36.9	45.1	60.6	50.4
O00592	6.0000E-03	3.7634	1	2	2	2	58.6	37.5	49.6	34.4	40.6
P09172	0.0000E+00	9.8865	1	4	4	6	69	38.2	50.2	42.9	41.5
P54289	3.0000E-03	2.3572	1	3	3	3	124.5	38.3	47.6	43.5	47.3

P63313	5.0000E-03	47.7273	1	2	1	2	5	38.5	41.7	40.9	29.5
P01743	6.0000E-03	9.4017	1	1	1	1	12.9	39.6	28.4	22.1	25.5
P62158	0.0000E+00	23.4899	1	2	2	2	16.8	39.9	39.4	63.9	53
Q9H299	3.0000E-03	27.9570	1	2	2	2	10.4	40	53.9	59.3	48.5
P99999	5.0000E-03	18.0952	1	2	2	2	11.7	40.4	48.6	40.7	49.9
P81605	6.0000E-03	22.7273	1	2	2	2	11.3	40.7	85.4	45.7	50.1
P07237	0.0000E+00	8.4646	1	3	3	3	57.1	40.9	36.9	40.2	41.3
P15531	6.0000E-03	7.8947	1	1	1	1	17.1	41.1	63.3	62.2	71.3
P29401	0.0000E+00	7.3836	1	4	4	4	67.8	41.4	44.1	51.8	36.4
P78417	6.0000E-03	9.1286	1	2	2	2	27.5	41.6	40.9	43.6	49.3
P69891	0.0000E+00	89.7959	1	12	1	26	16.1	42	96.3	59.1	76.2
P10124	0.0000E+00	20.8861	1	2	2	3	17.6	42.5	32.8	47.1	39.8
Q99715	6.0000E-03	0.9794	1	2	2	2	332.9	42.8	48.9	46	43.4
P20742	0.0000E+00	11.7409	1	16	6	119	163.8	42.9	63.9	103.2	48.5
P17813	0.0000E+00	4.2553	1	2	2	2	70.5	42.9	50.8	49.8	79.4
P33151	6.0000E-03	2.0408	1	1	1	1	87.5	43.1	62	59.5	61.3
P07602	3.0000E-03	2.8626	1	1	1	1	58.1	43.2	42.9	40.6	39.1
P00746	0.0000E+00	33.2016	1	5	5	6	27	43.4	55.3	53.1	64
Q8N6C8	0.0000E+00	17.7677	1	6	6	8	47.4	43.6	94.3	97	54.4
Q14956	6.0000E-03	1.5734	1	1	1	2	63.9	44.3	68.8	57.8	71.8
O15394	0.0000E+00	6.2127	1	4	4	4	93	44.9	41.4	47.4	47.6
P62937	0.0000E+00	15.1515	1	3	3	3	18	45.3	56	64.7	75.1

P63104	0.0000E+00	41.6327	1	7	6	9	27.7	46.7	36	51.5	51.6
P07339	0.0000E+00	14.3204	1	4	4	5	44.5	47	41.8	44.6	43.1
Q15848	0.0000E+00	29.5082	1	4	4	10	26.4	47.6	59.8	61.4	70.6
P14625	0.0000E+00	3.1133	1	2	2	2	92.4	47.8	42.1	49.9	49.8
P20023	3.0000E-03	2.8074	1	3	3	3	112.8	48.2	64.7	43.8	55.6
P13942	6.0000E-03	0.9217	1	1	1	1	171.7	48.7	31.3	21.6	31.7
P23142	0.0000E+00	6.4011	1	3	3	3	77.2	49.2	52	57.8	51.1
P05062	0.0000E+00	12.9121	1	4	3	4	39.4	49.6	36.7	61.3	42
Q13740	0.0000E+00	8.0617	1	4	4	4	65.1	49.9	58.4	58	60.6
P30043	0.0000E+00	23.7864	1	3	3	4	22.1	50.1	68.7	65.8	84.7
P08519	0.0000E+00	16.3369	1	6	6	7	501	50.3	56.3	174.6	60.7
P21333	0.0000E+00	2.4556	1	6	6	6	280.6	50.3	51.7	74.9	72.2
P22891	0.0000E+00	9.7500	1	4	4	5	44.7	50.3	49.6	49.2	52.8
P06753	3.0000E-03	9.4737	1	3	2	3	32.9	50.7	44.3	49.8	44.7
Q12841	0.0000E+00	11.6883	1	3	3	3	35	51.8	54.9	50.8	52.6
Q6YHK3	0.0000E+00	2.8374	1	4	4	5	161.6	52	64.5	64.5	69.9
P07737	0.0000E+00	27.1429	1	3	3	3	15	52	48.2	54.3	50.2
P11717	0.0000E+00	2.3685	1	5	5	5	274.2	52.8	53.1	63.8	60.9
P01859	0.0000E+00	25.4601	1	6	3	10	35.9	53.1	44.9	49.8	40.7
P16112	0.0000E+00	1.2008	1	2	2	2	250	53.7	76.5	66.8	76.4
P62805	6.0000E-03	9.7087	1	1	1	1	11.4	54	59.2	105.9	56.5
P23470	3.0000E-03	1.5225	1	2	2	2	161.9	54.4	57.8	50.5	56.3

P04179	6.0000E-03	3.6036	1	1	1	1	24.7	55.7	34.4	57.8	42
Q9Y4L1	0.0000E+00	4.4044	1	3	3	4	111.3	56	56.9	55.9	49.5
P36980	0.0000E+00	18.5185	1	5	4	11	30.6	56.5	85.1	96.6	80.2
P60174	6.0000E-03	8.7413	1	2	2	2	30.8	56.9	91.6	70.5	88.1
P01860	0.0000E+00	29.1777	1	7	2	16	41.3	57.4	43.8	53.2	37.9
P27487	0.0000E+00	10.4439	1	7	7	8	88.2	57.5	66	60.7	63.9
Q12805	0.0000E+00	11.5619	1	5	5	5	54.6	58.8	63.7	78.2	75.1
Q9NPY3	0.0000E+00	4.4479	1	2	2	2	68.5	59	69.2	52.3	70.8
P0DJ19	0.0000E+00	63.9344	1	9	3	50	13.5	59.3	94.6	45.1	41.2
P12111	0.0000E+00	4.2493	1	11	11	11	343.5	60	69.4	65.7	75.8
Q76LX8	0.0000E+00	2.2425	1	3	3	3	153.5	60.2	83.1	87.6	112.1
P01033	0.0000E+00	14.9758	1	2	2	3	23.2	60.5	42	53.5	42.9
Q99784	0.0000E+00	8.6598	1	4	4	8	55.3	60.8	64.9	70.5	85.3
Q9UNW1	0.0000E+00	11.0883	1	4	4	4	55	62.1	71.6	62	68.6
P43121	5.0000E-03	4.9536	1	2	2	2	71.6	62.8	71.2	64.8	68.8
Q12913	0.0000E+00	6.0583	1	6	6	8	145.9	63	74.8	68.5	79.8
Q13822	0.0000E+00	7.6477	1	6	6	8	98.9	63.5	58.3	71.1	72.7
P24043	8.0000E-03	0.5766	1	2	2	2	343.7	64.4	59.7	62.4	64.5
P20848	6.0000E-03	3.3333	1	2	1	25	47.9	64.5	23.3	111.8	28.4
P35555	0.0000E+00	1.8112	1	4	4	4	312	64.8	66.3	64.6	77.3
P00390	5.0000E-03	3.6398	1	2	2	2	56.2	65.3	90.2	79.6	82.8
Q92496	0.0000E+00	5.7093	1	3	3	3	65.3	65.4	62.7	74.3	72.8

Q86Y46	6.0000E-03	3.8889	1	2	1	2	58.9	65.4	59	77.6	56.9
P49747	0.0000E+00	29.0621	1	14	11	21	82.8	66.5	72.6	76.7	99.9
P00338	0.0000E+00	18.9759	1	6	5	6	36.7	66.8	89.6	87.7	95.9
Q6UX71	3.0000E-03	5.2930	1	3	3	3	59.5	66.8	66.4	65.6	66.1
P61769	0.0000E+00	35.2941	1	3	3	6	13.7	66.9	69	55.3	81.2
Q14314	3.0000E-03	3.4169	1	2	2	2	50.2	66.9	95.3	85.2	81.3
Q9UHG3	3.0000E-03	4.7525	1	3	3	3	56.6	67.1	65.2	97.4	64.4
P13598	0.0000E+00	11.6364	1	3	3	5	30.6	67.4	95.5	89.9	97.8
P04220	0.0000E+00	46.0358	1	12	1	39	43	68.5	31	40.2	29.4
Q9BY67	0.0000E+00	10.1810	1	3	3	3	48.5	70.4	65.8	81.3	65
P01765	0.0000E+00	26.0870	1	2	2	2	12.3	70.9	52.8	54.4	54.8
Q14515	0.0000E+00	5.2711	1	3	3	4	75.2	71.4	95.7	83.6	98.4
O00533	0.0000E+00	9.9338	1	9	9	11	135	71.5	88	76.9	81
Q13103	0.0000E+00	26.5403	1	5	5	12	24.3	72.4	70.4	73	95.6
P00748	0.0000E+00	11.8699	1	5	5	7	67.7	72.4	73.3	86	79.3
P62979	0.0000E+00	16.0256	1	2	2	4	18	72.8	95.3	94.9	136.8
P13647	0.0000E+00	16.2712	1	10	5	10	62.3	73.1	68.2	89.7	61.1
P09960	0.0000E+00	9.1653	1	6	6	6	69.2	73.1	70.1	78.4	68.8
P05556	3.0000E-03	3.7594	1	3	3	3	88.4	73.3	94.8	92.3	104.5
Q9ULI3	3.0000E-03	2.3172	1	3	3	4	147.4	73.4	92.6	83.9	98.1
Q6UXB8	0.0000E+00	23.7581	1	8	8	16	49.4	73.5	88.5	81.4	111.9
Q13790	0.0000E+00	11.6564	1	3	3	9	35.4	73.8	57.6	92.1	59.4

Q12860	0.0000E+00	4.9116	1	4	4	4	113.2	74.3	100.8	82	94.2
Q99983	0.0000E+00	11.8765	1	5	5	6	49.5	74.8	89.3	77.1	86.8
Q01459	3.0000E-03	7.7922	1	3	3	3	43.7	75.2	68.4	65.9	71.9
Q7Z7G0	0.0000E+00	7.9070	1	6	6	7	118.6	75.3	81.8	81.7	88.2
P04040	0.0000E+00	21.0626	1	9	9	13	59.7	77	108.2	92.2	129.7
P27797	0.0000E+00	13.9089	1	5	5	5	48.1	77.5	73.6	91.9	90.7
P07900	3.0000E-03	3.6885	1	3	3	3	84.6	79.9	91.7	102.2	105.9
P01598	0.0000E+00	26.8519	1	2	2	2	11.8	79.9	100.6	69.6	82.2
Q6EMK4	0.0000E+00	15.1560	1	6	6	8	71.7	80.6	86.6	80.9	92.5
P33908	3.0000E-03	3.9816	1	3	3	3	72.9	81	91.5	76.3	81.2
P05362	0.0000E+00	17.4812	1	8	8	12	57.8	81.9	80.5	84.7	76.9
P00918	0.0000E+00	30.3846	1	6	6	7	29.2	81.9	128.6	109.5	162.6
P13727	0.0000E+00	27.4775	1	5	5	5	25.2	82.5	71.6	71.9	69
P11279	3.0000E-03	4.0767	1	2	2	3	44.9	83	95.1	99.3	115.7
P27918	0.0000E+00	23.8806	1	10	10	14	51.2	83.2	122.2	106.8	95.6
P13591	0.0000E+00	17.2494	1	11	11	14	94.5	83.9	97.4	90.3	99.1
P00558	5.0000E-03	4.3165	1	2	2	2	44.6	83.9	89.1	86.4	93.4
P23284	6.0000E-03	6.0185	1	1	1	1	23.7	84.1	68.4	82.1	63.5
P15151	0.0000E+00	9.8321	1	4	4	6	45.3	84.3	97.8	98.1	97.5
P06703	0.0000E+00	27.7778	1	2	2	2	10.2	84.3	97	92.1	115.3
P08637	3.0000E-03	7.4803	1	2	2	2	29.1	84.3	101.5	82.1	75.4
P04066	0.0000E+00	6.2232	1	3	3	3	53.7	84.5	95.5	95.7	106.8

P05067	0.0000E+00	7.6623	1	6	6	6	86.9	84.9	75.1	93.2	82.1
P14543	0.0000E+00	8.1796	1	10	10	11	136.3	85.1	89.1	91.9	97.7
Q07954	0.0000E+00	2.1127	1	7	7	7	504.3	85.4	99	107.5	109.6
P01344	0.0000E+00	13.8889	1	2	2	6	20.1	86.5	102.7	90.2	114
O95479	3.0000E-03	4.0455	1	3	3	3	88.8	86.9	77.4	83.4	69.3
Q8NBJ4	0.0000E+00	21.1970	1	7	7	8	45.3	88.9	100	78.5	87.9
P17936	0.0000E+00	48.1100	1	11	11	18	31.7	89.4	125	100.1	135.1
P14780	0.0000E+00	14.1443	1	7	7	7	78.4	89.4	63.2	75.8	60.8
P12830	0.0000E+00	4.9887	1	3	3	4	97.4	89.6	99.7	89.3	86
P10721	0.0000E+00	4.2008	1	4	4	5	109.8	89.8	109.6	73.4	95.7
P49908	0.0000E+00	14.6982	1	7	7	14	43.2	90.7	92.5	100.1	114.6
Q03591	0.0000E+00	20.9091	1	8	1	22	37.6	91	78	94.7	83.1
P55058	0.0000E+00	16.6329	1	6	6	10	54.7	92.2	89.1	120.1	106.6
P07359	0.0000E+00	10.7362	1	6	6	8	71.5	93.6	122.6	113.7	122.2
P18206	0.0000E+00	6.5256	1	8	8	8	123.7	94.2	93.6	105.4	100
P15144	0.0000E+00	8.9969	1	8	8	9	109.5	94.9	86	103.8	82
P04070	0.0000E+00	19.9566	1	8	8	13	52	95.6	104.5	128	107.1
P35908	0.0000E+00	17.5274	1	10	6	12	65.4	97.3	72.4	74.6	63.1
Q9BXR6	0.0000E+00	3.8664	1	2	1	3	64.4	98.2	67.6	94.7	62.3
Q15063	0.0000E+00	12.0813	1	7	7	8	93.3	98.7	95	107.6	106
Q5T619	6.0000E-03	2.1127	1	1	1	11	62.3	99	132.8	133.4	176.7
P09486	0.0000E+00	38.9439	1	10	10	15	34.6	99.3	85.4	98.7	85.7

P01766	0.0000E+00	25.0000	1	2	2	5	13.2	99.6	74.5	73.8	56.1
P40197	0.0000E+00	9.4643	1	5	5	6	60.9	101.2	98.1	119.2	102
P12955	0.0000E+00	8.9249	1	5	5	6	54.5	102.2	123.1	100.4	108.9
P16070	0.0000E+00	5.2561	1	4	4	9	81.5	102.3	127.6	127.3	116.1
P02042	0.0000E+00	93.8776	1	14	7	85	16	102.4	139.2	141.1	176.8
O43505	5.0000E-03	6.0241	1	2	2	2	47.1	103.2	115.4	98.4	118.7
P80188	6.0000E-03	5.5556	1	1	1	2	22.6	103.9	89.6	89.4	55
Q9BTY2	0.0000E+00	7.4946	1	4	4	4	54	106.8	124.8	122.3	152.7
P11021	0.0000E+00	27.8287	1	14	12	15	72.3	107.1	88.7	139.5	104.9
O00187	0.0000E+00	20.1166	1	11	11	18	75.7	109.1	108.6	115.5	113.3
P35443	0.0000E+00	12.6951	1	8	5	9	105.8	110.4	141.6	145.1	174.9
B9A064	0.0000E+00	40.6542	1	6	3	11	23	111.3	108.4	97.9	79.7
P32119	0.0000E+00	37.3737	1	8	8	19	21.9	114.9	174.4	138.2	240.7
P13473	5.0000E-03	2.9268	1	1	1	1	44.9	116.4	126.1	117.9	136.4
P02656	0.0000E+00	37.3737	1	4	4	12	10.8	118.2	94.6	119.4	116.4
P00915	0.0000E+00	36.7816	1	8	8	21	28.9	118.8	206.6	165.6	244.5
P06733	0.0000E+00	19.8157	1	6	6	7	47.1	120.4	132	118.9	130.9
P04406	0.0000E+00	15.8209	1	5	5	6	36	121.3	170.2	168.4	181.7
P14618	6.0000E-03	3.3898	1	2	2	2	57.9	121.7	140.2	153.9	149.1
Q16853	5.0000E-03	3.5387	1	3	3	3	84.6	121.9	157.7	127	158.9
P02746	0.0000E+00	36.3636	1	8	8	27	26.7	122.1	169.6	184.2	164.5
P60709	0.0000E+00	46.1333	1	12	5	30	41.7	122.6	109	137.8	116.7

P05452	0.0000E+00	48.5149	1	8	8	19	22.5	122.8	143.5	152.9	163
Q9NPH3	3.0000E-03	2.8070	1	2	2	3	65.4	124.9	130.7	125.7	138.7
P11226	0.0000E+00	34.6774	1	8	8	16	26.1	126.9	88.9	167.5	109.4
P48740	0.0000E+00	26.7525	1	14	13	25	79.2	127.2	142.3	154.8	166.1
P04180	0.0000E+00	17.0455	1	5	5	8	49.5	127.6	160.5	149.6	148.6
Q96PD5	0.0000E+00	34.0278	1	12	12	36	62.2	127.9	172.8	159.7	217.9
P01857	0.0000E+00	53.0303	1	12	6	32	36.1	128.1	119.4	115.6	99.7
Q9UGM5	0.0000E+00	38.2199	1	12	12	19	42	128.1	143.9	138.2	144.2
Q9UNN8	0.0000E+00	13.4454	1	3	3	3	26.7	128.8	148.2	145.3	131.6
P02751	0.0000E+00	11.0226	1	21	21	27	262.5	129.7	132	155.1	140.6
P01834	0.0000E+00	65.0943	1	4	4	12	11.6	129.9	95	93.8	67.5
Q9NQ79	0.0000E+00	7.4130	1	4	4	5	71.4	130.4	171.7	131.6	143.8
Q9NZP8	0.0000E+00	32.6489	1	10	8	29	53.5	130.6	136.5	140.3	141.8
P05109	0.0000E+00	40.8602	1	5	5	7	10.8	131.7	73.4	110.2	47.4
P22105	0.0000E+00	6.4828	1	20	20	23	457.9	135.3	154.7	147.6	164.1
O14791	0.0000E+00	39.9497	1	13	13	18	43.9	135.8	146.5	138.3	171.2
P01591	0.0000E+00	25.7862	1	4	4	4	18.1	139.4	99.8	98.8	79.9
P00740	0.0000E+00	29.2842	1	11	11	22	51.7	140.1	112.4	141.4	116.8
Q9Y5Y7	0.0000E+00	12.7329	1	4	4	10	35.2	141.4	171.3	192.8	188.5
P0CG05	0.0000E+00	81.1321	1	6	3	13	11.3	141.5	137.9	118.4	121.3
O43866	0.0000E+00	27.0893	1	7	7	10	38.1	142.8	85.2	72.8	64.1
P43251	0.0000E+00	27.9926	1	12	12	20	61.1	143.9	171.3	162.8	173.2

P24821	0.0000E+00	8.9050	1	13	13	14	240.7	143.9	144.8	145.6	157.7
Q9UBR2	3.0000E-03	7.2607	1	2	2	2	33.8	144.5	133.9	121	102.4
P02747	0.0000E+00	34.6939	1	6	6	33	25.8	146.4	189.5	196.5	188.1
O95445	0.0000E+00	42.5532	1	9	9	14	21.2	146.8	153.8	144.8	155.7
P20851	0.0000E+00	51.1905	1	10	10	20	28.3	147.2	138.5	164.6	139.2
P80108	0.0000E+00	18.0952	1	14	14	23	92.3	147.4	176.5	178.9	211.2
Q15485	0.0000E+00	29.3930	1	8	8	17	34	147.8	134	150.3	142.3
P02776	0.0000E+00	35.6436	1	4	4	6	10.8	147.8	137.2	180.3	150.6
Q86VB7	0.0000E+00	15.2249	1	13	13	16	125.4	148.6	157.3	166	129
P05154	0.0000E+00	20.6897	1	8	8	10	45.6	149.3	150.4	145.9	178.1
P02753	0.0000E+00	60.6965	1	8	8	18	23	152.4	165.1	145.2	220.1
Q96KN2	0.0000E+00	37.0809	1	15	15	21	56.7	152.9	246.5	150	165.7
P26927	0.0000E+00	30.5204	1	18	18	27	80.3	153.7	148.9	162.3	163.6
O00391	0.0000E+00	22.7577	1	16	16	20	82.5	154.8	160.5	170.6	163.3
Q92820	0.0000E+00	21.0692	1	6	6	12	35.9	155.2	153	159.6	165.8
Q04756	0.0000E+00	23.8168	1	13	13	26	70.6	165.2	212.1	202.1	218
P07333	0.0000E+00	6.8930	1	6	6	8	107.9	165.8	197.1	209.8	188.7
P14151	0.0000E+00	19.0860	1	6	6	14	42.2	166.5	211.3	162.6	183.6
P80748	5.0000E-03	7.2072	1	1	1	2	11.9	168.5	253.6	140	121.8
P22352	0.0000E+00	32.3009	1	6	6	11	25.5	168.7	161.2	213.8	159.2
P06702	0.0000E+00	66.6667	1	8	8	13	13.2	168.9	97.2	122.4	70.4
P03951	0.0000E+00	34.0800	1	19	19	25	70.1	169.3	133.1	191.6	141.8

P04278	0.0000E+00	46.5174	1	12	12	26	43.8	171.2	205	204.7	241.2
P04075	0.0000E+00	20.3297	1	7	6	8	39.4	172.4	191.8	214.1	215
P02745	0.0000E+00	28.5714	1	5	5	15	26	172.6	225.8	232	211.3
P02671	0.0000E+00	10.9700	1	7	7	9	94.9	179.1	148.3	278.2	146.8
P0C0L4	0.0000E+00	67.7179	1	102	4	862	192.7	180.1	242.7	243.6	296.2
P13645	0.0000E+00	31.1644	1	18	14	27	58.8	186.6	129.9	157.7	127.6
P35527	0.0000E+00	44.1413	1	20	19	45	62	189.7	199.7	286.4	186.7
P80511	0.0000E+00	9.7826	2	3	2	1	10.6	192.6	60.3	82.1	65.1
Q13085	6.0000E-03	0.2984	1	1	1	4	265.4	196.6	170.6	258.1	172.7
Q9UK55	0.0000E+00	36.7117	1	14	14	18	50.7	197.1	175.6	173.8	144.9
P55056	0.0000E+00	39.3701	1	6	6	12	14.5	197.6	171.7	241.8	178.2
P04264	0.0000E+00	46.8944	1	24	23	40	66	200.9	207.3	296.6	176.8
P62328	0.0000E+00	40.9091	1	2	1	5	5.1	201.4	187.7	247.3	198.5
P02655	0.0000E+00	49.5050	1	4	4	12	11.3	202.1	122.6	160.7	165.5
P13796	0.0000E+00	36.6826	1	19	19	24	70.2	208.4	173.4	220	175.3
Q15582	0.0000E+00	24.3045	1	14	14	22	74.6	213.5	177.5	245.7	217.4
P01876	0.0000E+00	37.3938	1	9	9	12	37.6	216.8	167.9	181.1	119.1
Q8TAQ9	6.0000E-03	1.9608	1	1	1	4	40.5	218	185	252.1	187.3
P15169	0.0000E+00	41.9214	1	12	12	38	52.3	223.8	213.1	221.6	232.9
P15311	6.0000E-03	2.7304	1	2	2	2	69.4	224.3	265.5	278.9	270.6
P08571	0.0000E+00	41.3333	1	14	14	16	40.1	230.1	258.5	248.7	238.8
P02775	0.0000E+00	44.5313	1	7	7	35	13.9	231.2	193.4	253.6	227.2

Q16610	0.0000E+00	51.6667	1	20	20	30	60.6	236.9	247.4	204.1	223.4
P27169	0.0000E+00	43.9437	1	11	9	28	39.7	239.4	268.3	265.7	269.3
P00742	0.0000E+00	33.6066	1	15	15	42	54.7	240.1	249.7	295.4	280.5
P06276	0.0000E+00	33.2226	1	18	18	38	68.4	241.7	344.9	268.4	300.3
P61626	0.0000E+00	18.9189	1	3	3	5	16.5	246.3	221.2	217.9	240.2
O75636	0.0000E+00	36.1204	1	10	10	32	32.9	253.5	251.9	253.5	240.9
Q92954	0.0000E+00	12.7493	1	17	17	24	151	254.3	283.6	325.3	299.1
P05090	0.0000E+00	22.7513	1	5	5	21	21.3	256.6	232.4	269.7	242.9
P35542	0.0000E+00	45.3846	1	7	7	28	14.7	258.6	271.4	286.3	306.1
P10909	0.0000E+00	29.3987	1	13	13	49	52.5	262.3	248.9	389.7	311.4
P01871	0.0000E+00	48.0088	1	18	7	52	49.3	268.3	172.1	150.7	135.6
P35858	0.0000E+00	42.4793	1	20	20	51	66	270.1	442.2	347.4	490.4
P0C0L5	0.0000E+00	68.0619	1	103	5	896	192.6	282.3	390.7	344	410.5
P12259	0.0000E+00	16.0971	1	34	34	47	251.5	282.8	275.9	312.8	295.9
Q14520	0.0000E+00	35.1786	1	14	14	39	62.6	287.1	249	300.3	281.9
P54108	5.0000E-03	6.5306	1	2	2	3	27.6	296.3	330.5	325.4	276.8
P02652	0.0000E+00	69.0000	1	8	8	79	11.2	302.1	468.7	304.8	476.9
P02654	0.0000E+00	32.5301	1	4	4	14	9.3	306.8	287.6	309.2	324.6
P29622	0.0000E+00	50.5855	1	17	17	39	48.5	308	351.3	396	464.3
P00739	0.0000E+00	68.6782	1	22	8	483	39	312	220.6	274.2	186.4
P07225	0.0000E+00	35.7988	1	19	19	58	75.1	319.6	275.1	361.6	283
P0DJ18	0.0000E+00	72.1311	1	10	4	86	13.5	319.7	293.7	225	178.9

P68871	0.0000E+00	95.2381	1	16	9	157	16	326.8	490.9	474.8	651.7
P02741	0.0000E+00	24.5536	1	6	6	27	25	328.2	164	336.4	172.2
P07360	0.0000E+00	68.8119	1	10	10	66	22.3	335	320.5	335.9	316.5
P07996	0.0000E+00	35.8120	1	32	32	58	129.3	336	301.3	378	389.3
P18428	0.0000E+00	25.1559	1	9	9	13	53.4	337	230.4	352.1	193.6
P19320	0.0000E+00	33.0176	1	20	20	28	81.2	342.2	293.8	338.3	338.9
P02766	0.0000E+00	73.4694	1	12	12	125	15.9	355	460.4	381.8	510
Q96IY4	0.0000E+00	34.9882	1	12	12	27	48.4	355.7	271.8	403	302.1
P51884	0.0000E+00	40.8284	1	11	11	55	38.4	356.5	462.3	404.5	464.6
O75882	0.0000E+00	26.3821	1	31	31	93	158.4	393.4	532.7	487.5	563.9
P36955	0.0000E+00	37.3206	1	14	14	52	46.3	394.7	362.6	351	375.4
P06681	0.0000E+00	38.4309	1	26	26	86	83.2	397.2	429	445.3	429.5
Q08380	0.0000E+00	41.3675	1	21	21	95	65.3	411.2	620.4	442.9	497
P02743	0.0000E+00	34.0807	1	9	9	62	25.4	427.4	436.7	466.8	397.2
P07358	0.0000E+00	49.9154	1	24	24	83	67	434.9	433.7	438.4	448.1
P03952	0.0000E+00	54.2320	1	31	31	82	71.3	464.6	508	526.3	534.5
P06396	0.0000E+00	36.8286	1	26	26	74	85.6	469.2	534.1	489.6	582.1
P05546	0.0000E+00	55.1102	1	22	22	79	57	488.8	502.1	643.8	615.5
P09871	0.0000E+00	45.3488	1	23	22	89	76.6	489.6	472.9	497.1	483.1
P02749	0.0000E+00	57.3913	1	14	14	89	38.3	491.1	399.7	422.1	395
P08697	0.0000E+00	53.5642	1	22	22	80	54.5	498.6	506.2	507.5	529.9
P01019	0.0000E+00	40.4124	1	15	15	77	53.1	501.9	434.8	550	492.9

P07357	0.0000E+00	45.8904	1	21	21	85	65.1	503	472.2	508.3	485.6
P05543	0.0000E+00	40.0000	1	17	17	47	46.3	505.5	418.2	552.1	601.2
P04196	0.0000E+00	35.6190	1	17	17	112	59.5	515.2	654.5	580	499.6
P02787	0.0000E+00	64.6132	1	43	43	106	77	520.7	692.5	616.6	695.2
P00734	0.0000E+00	59.9678	1	27	27	169	70	522.4	511.6	698.5	602.9
P08185	0.0000E+00	50.8642	1	14	14	93	45.1	541.8	616.5	605.5	645.8
P02748	0.0000E+00	46.3327	1	23	23	107	63.1	558	478.2	523.5	438.7
P00736	0.0000E+00	51.0638	1	27	25	100	80.1	573.8	536.8	619.9	583.4
P05156	0.0000E+00	45.1115	1	23	23	119	65.7	595.7	544.5	612.5	553.9
P02760	0.0000E+00	43.7500	1	13	13	127	39	604.3	562.4	519.8	576.1
P02649	0.0000E+00	71.6088	1	26	26	121	36.1	604.8	589.3	908	628.3
P04004	0.0000E+00	43.0962	1	16	16	135	54.3	621.5	618	629.5	719.7
P22792	0.0000E+00	45.5046	1	17	17	69	60.5	622.8	616.4	694.8	743
P69905	0.0000E+00	95.0704	1	12	12	118	15.2	641.1	892.5	905.5	1095.5
P10643	0.0000E+00	53.0249	1	34	33	136	93.5	642	573.7	680.7	710.2
P02750	0.0000E+00	50.4323	1	13	13	78	38.2	642.9	469	560.7	401.3
P13671	0.0000E+00	49.1435	1	40	40	114	104.7	667.3	718.1	781.1	749
P43652	0.0000E+00	60.6010	1	34	34	120	69	703.8	991.9	848.5	1078.4
P04275	0.0000E+00	32.5986	1	74	74	107	309.1	725.1	617	678.3	639.2
Q06033	0.0000E+00	33.0337	1	25	25	119	99.8	767.6	558.1	718.6	562.9
P19652	0.0000E+00	48.2587	1	11	8	193	23.6	770.8	399.5	718.3	525.4
P02765	0.0000E+00	50.6812	1	12	12	190	39.3	777.2	1055.6	761	1017.1

P25311	0.0000E+00	55.7047	1	18	18	129	34.2	859.1	744.2	828.7	711.1
P06727	0.0000E+00	75.5051	1	33	33	147	45.4	859.3	787.5	863.7	1009.7
P01008	0.0000E+00	69.8276	1	34	34	180	52.6	880.9	827.7	883.8	1012.4
P04003	0.0000E+00	67.8392	1	32	32	220	67	909.4	797.9	957.9	788.6
P08603	0.0000E+00	45.7352	1	52	47	234	139	1007	897.6	1230	850.4
P04217	0.0000E+00	61.6162	1	20	20	242	54.2	1072.3	1114.8	1226.2	1146.2
P19827	0.0000E+00	43.0296	1	29	29	270	101.3	1201.1	1304.6	1217.9	1364.2
P00747	0.0000E+00	64.6914	1	49	49	270	90.5	1221.5	1185.7	1411.5	1397.9
P01042	0.0000E+00	43.1677	1	34	34	242	71.9	1297.8	1192.2	1317.3	1202.4
P02768	0.0000E+00	80.4598	1	52	52	281	69.3	1324	1830.5	1398.6	1760.3
P19823	0.0000E+00	52.6427	1	41	41	307	106.4	1328	1540.5	1414.8	1635.5
Q14624	0.0000E+00	55.5914	1	45	45	275	103.3	1592.3	1302.3	1653.4	1342.6
P01031	0.0000E+00	56.5036	1	81	81	295	188.2	1949	1704.2	2344.6	1753.5
P05155	0.0000E+00	42.6000	1	23	23	336	55.1	1977.2	1850.8	2124.7	2058.3
P02763	0.0000E+00	44.7761	1	10	7	394	23.5	1985.1	1090.8	1843.6	1054.8
P02647	0.0000E+00	81.2734	1	29	29	394	30.8	2186.9	2700.9	2021.3	2545.5
P00738	0.0000E+00	67.4877	1	30	16	883	45.2	2459.5	1605.7	2949.7	1757.5
P00751	0.0000E+00	61.5183	1	44	44	438	85.5	2524.2	2462.1	2526.1	2343.2
P02774	0.0000E+00	84.5992	1	39	39	623	52.9	2540.6	2942.1	2900.8	3048.1
P02790	0.0000E+00	65.1515	1	27	27	563	51.6	2819	2829.7	2969.1	2954
P00450	0.0000E+00	71.3615	1	60	60	682	122.1	3141.7	2827.9	3325.3	2821.6
P01011	0.0000E+00	60.0473	1	26	26	664	47.6	3360.4	2267.6	3457	2375.5

P01023	0.0000E+00	72.9308	1	87	77	1226	163.2	4758.6	5197	4866	5492
P04114	0.0000E+00	62.0644	1	266	266	1117	515.3	6250	5361.2	7635.4	6046.7
P01009	0.0000E+00	72.0096	1	41	40	1097	46.7	7345.9	3094.8	6742.2	3461.8
P01024	0.0000E+00	85.8088	1	144	144	2515	187	12497.6	10821.6	12978.5	11242.9