

Table S2

Category	Term	Count	PValue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichment	Bonferroni	Benjamini	FDR
GOTERM CC DIRECT	GO:0005576 <sup>+</sup> extracellular region	170	2.40E-114	P04196, AOA0F7TD49, P05546, Q8TCZ8, AOA0R7FH5, P08603, P01714, AOA024R617, P06312, A8K6Q4	260	1610	18224	7.401051123	5.83E-112	5.83E-112	3.10E-111
GOTERM CC DIRECT	GO:0070062 <sup>+</sup> extracellular exosome	189	9.52E-96	AOA0F7TD49, Q8TCZ8, P01714, P08603, AOA0R7FH5, AOA024R617, P13645, AOA087WX12, AOA024R94	260	2811	18224	4.712716526	2.31E-93	1.16E-93	1.23E-92
GOTERM CC DIRECT	GO:0072562 <sup>+</sup> blood microparticle	72	2.23E-92	P04196, P22792, AOA0S2Z4L3, P07357, D3DNN4, Q8TCZ8, P08603, P06312, A8K6Q8, AOA140TA32, A	260	152	18224	33.20161943	5.43E-90	1.81E-90	2.89E-89
GOTERM CC DIRECT	GO:0005615 <sup>+</sup> extracellular space	142	1.25E-90	P05546, Q8TCZ8, B7ZMD7, P35527, AOA0R7FH5, P08603, AOA024R617, A8K6Q8, P13645, P12273, B	260	1347	18224	7.38909257	3.04E-88	7.60E-89	1.62E-87
GOTERM CC DIRECT	GO:0031093 <sup>+</sup> platelet alpha granule lumen	25	2.59E-30	P04196, P02776, AOA0S2Z4L3, BAE1C2, P02775, Q15430, AOA024R617, O00391, AOA0C4DGB6, E9KL2	260	55	18224	31.86013986	6.30E-28	1.26E-28	3.35E-27
GOTERM CC DIRECT	GO:0031012 <sup>+</sup> extracellular matrix	32	2.86E-18	P35443, P04406, B5BUE6, Q8TCZ8, P39060, AOA0S2Z415, Q9H8L6, Q16610, AOA140TA33, BIAHL2, A	260	296	18224	7.577546778	6.96E-16	1.16E-16	3.70E-15
GOTERM CC DIRECT	GO:0034361 <sup>+</sup> very-low-density lipoprotein particle	13	5.94E-18	Q9UH63, AOA024R1G8, P02749, BOY1W2, Q8TCZ8, COJYY2, P06727, V9GYJ8, V9GYM3, A5YAK2, AOA02	260	20	18224	45.56	1.44E-15	2.06E-16	7.68E-15
GOTERM CC DIRECT	GO:0034364 <sup>+</sup> high-density lipoprotein particle	13	2.97E-17	AOA024R1G8, PODJ18, AOA140VK24, P02749, D3DQX7, Q8TCZ8, P06727, V9GYM3, A5YAK2, AOA024R0T	260	22	18224	41.41818182	7.21E-15	9.01E-16	3.84E-14
GOTERM CC DIRECT	GO:0042627 <sup>+</sup> chylomicron	10	3.87E-14	AOA024R0T8, P02649, BOY1W2, P02749, Q8TCZ8, AOA024R3E3, COJYY2, P06727, V9GYJ8, F8W696, V	260	14	18224	50.06593407	9.42E-12	1.05E-12	5.01E-11
GOTERM CC DIRECT	GO:0034366 <sup>+</sup> spherical high-density lipoprotein particle	8	8.54E-13	BOY1W2, P27169, AOA024R3E3, P10909, P00739, V9GYJ8, F8W696, O95445, V9GYM3	260	8	18224	70.09230769	2.07E-10	2.07E-11	1.10E-09
GOTERM CC DIRECT	GO:0031089 <sup>+</sup> platelet dense granule lumen	9	4.17E-12	B2RMS9, Q16610, Q06033, Q13103, P02749, AOA0S2Z3Y1, P49908, Q92520, AOA024R2Q7	260	14	18224	45.05934066	1.01E-09	9.21E-11	5.39E-09
GOTERM CC DIRECT	GO:0071682 <sup>+</sup> endocytic vesicle lumen	9	1.74E-11	PODI18, D3DQX7, Q8TCZ8, COJYY2, Q61129, Q86YL2, P02649, D9VZU5, C8C504, AOA024R3E3, P0073	260	16	18224	39.42692308	4.24E-09	3.53E-10	2.25E-08
GOTERM CC DIRECT	GO:0005579 <sup>+</sup> membrane attack complex	7	5.38E-11	P10331, P07357, P07358, AOA024R035, P07360, P13671, P10643	260	7	18224	70.09230769	1.31E-08	1.01E-09	6.96E-08
GOTERM CC DIRECT	GO:0005577 <sup>+</sup> fibrinogen complex	7	6.30E-10	P02671, P02679, V9HYV1, AOA024R9Q1, BIAHL2, P08697, P23142, P07996, AOA024R462	260	9	18224	54.51623932	1.53E-07	1.09E-08	8.15E-07
GOTERM CC DIRECT	GO:0031091 <sup>+</sup> platelet alpha granule	7	2.12E-08	P02671, P02679, V9HYV1, AOA024R9Q1, AOA024R6N9, L8E853, P07996, D3DQHS	260	14	18224	35.04615385	5.16E-06	3.44E-07	2.75E-05
GOTERM CC DIRECT	GO:0009986 <sup>+</sup> cell surface	25	9.22E-07	AOA1D8QK3, Q92887, B2R773, Q59EA3, AOA075B6N9, A8K6Q8, AOA161I202, E0D851, P18428, P0869	260	542	18224	3.233040023	2.24E-04	1.40E-05	0.00119267
GOTERM CC DIRECT	GO:0009897 <sup>+</sup> external side of plasma membrane	15	2.29E-06	P26842, P02671, P02679, P01861, V9HYV1, AOA024R9Q1, AOA024R8Z0, M9MML0, P01601, Q59EA3, A	260	213	18224	4.936078007	5.57E-04	3.28E-05	0.002963885
GOTERM CC DIRECT	GO:1903561 <sup>+</sup> extracellular vesicle	8	6.40E-06	P02671, A8K6Q8, V9HYV1, P02649, P07358, Q8TCZ8, AOA024R3E3, Q15430, AOA0A0MRJ7, F8W696, A	260	50	18224	11.21476923	0.001554753	8.64E-05	0.008280722
GOTERM CC DIRECT	GO:0034363 <sup>+</sup> intermediate-density lipoprotein particle	4	1.12E-05	P02649, BOY1W2, Q8TCZ8, COJYY2, V9GYJ8	260	4	18224	70.09230769	0.00272564	1.44E-04	0.014525104
GOTERM CC DIRECT	GO:0005604 <sup>+</sup> basement membrane	9	1.63E-05	P35443, Q9H8L6, AOA140VKF3, P39060, BIAHL2, P23142, AOA0K0K1J1, Q15582, D3DQHS, D9ZGG2	260	79	18224	7.985199611	0.00395577	1.98E-04	0.021092899
GOTERM CC DIRECT	GO:0005788 <sup>+</sup> endoplasmic reticulum lumen	13	2.02E-05	D3DNN4, P39060, Q15430, AOA024R9Q1, COJYY2, P06727, BOY1W2, V9GYM3, AOA024R617, AOA0S2Z4I	260	192	18224	4.745833333	0.004904429	2.34E-04	0.026163059
GOTERM CC DIRECT	GO:0034362 <sup>+</sup> low-density lipoprotein particle	5	3.57E-05	P02649, Q8TCZ8, COJYY2, V9GYJ8, O95445, Q13790	260	14	18224	25.03296703	0.008630244	3.94E-04	0.046120435
GOTERM CC DIRECT	GO:0005581 <sup>+</sup> collagen trimer	9	4.97E-05	Q75636, B2R773, P11226, Q15485, P02747, P39060, P02746, P02745, A4D2D2	260	92	18224	6.856856187	0.011993762	5.24E-04	0.064198251
GOTERM CC DIRECT	GO:0005578 <sup>+</sup> proteinaceous extracellular matrix	14	1.26E-04	Q9N979, P39060, P23142, L8E853, AOA024R462, P80108, Q15582, AOA024R617, Q16610, P51884, E	260	268	18224	3.661538462	0.030250315	0.001279069	0.163349474
GOTERM CC DIRECT	GO:0005796 <sup>+</sup> Golgi lumen	8	4.39E-04	A7Y9J9, AOA0S2Z4L3, P00742, P51884, BOY1W2, P59665, P00734, D9ZGG2	260	96	18224	5.841025641	0.101202181	0.004258792	0.566252392
GOTERM CC DIRECT	GO:0031838 <sup>+</sup> haptoglobin-hemoglobin complex	3	0.001184694	C8C504, D9VZU5, P00738, Q61129, Q86YL2	260	4	18224	52.56923077	0.250276911	0.011017753	1.521370029
GOTERM CC DIRECT	GO:0044216 <sup>+</sup> other organism cell	3	0.001184694	P04003, P20851, Q9UNU2, AOA140TA29	260	4	18224	52.56923077	0.250276911	0.011017753	1.521370029
GOTERM CC DIRECT	GO:0005882 <sup>+</sup> intermediate filament	7	0.005542834	P13645, Q15323, P78386, Q76013, P35527, P35908, P08779	260	113	18224	4.342001361	0.740929556	0.048793661	6.936145876
GOTERM CC DIRECT	GO:0005886 <sup>+</sup> plasma membrane	77	0.006738704	P04196, AOA0S2Z4L3, P04406, AOA0F7TD49, AOA0F7T931, Q8TCZ8, Q15430, AOA0R7FH5, P01714, Q	260	4121	18224	1.309659717	0.806610158	0.05699176	8.373161027
GOTERM CC DIRECT	GO:0005833 <sup>+</sup> hemoglobin complex	3	0.012088866	C8C504, D9VZU5, Q61129, AON071, Q86YL2	260	12	18224	17.52307692	0.947947107	0.096892439	14.55495826
GOTERM CC DIRECT	GO:0005769 <sup>+</sup> early endosome	9	0.01691327	Q9H7P6, P02649, BOY1W2, P10809, Q8TCZ8, AOA024R3E3, COJYY2, P06727, V9GYJ8, F8W696, V9GYM	260	229	18224	2.754719516	0.984158187	0.129049453	19.7970489
GOTERM CC DIRECT	GO:0016020 <sup>+</sup> membrane	44	0.018556776	AOA1D8QK3, P02750, Q9UG63, P07357, D3DNN4, P04406, P07358, B5BUE6, A8K6Q4, Q8TCZ8, Q1543	260	2200	18224	1.401846154	0.989450327	0.136557311	21.51381999
GOTERM CC DIRECT	GO:0043209 <sup>+</sup> myelin sheath	7	0.021629475	Q05639, AOA0C4DGB6, AOA0S2Z471, P10809, AOA087WWT3, P63261, P07195, V9HW26	260	152	18224	3.227935223	0.995076017	0.152997108	24.63305706
GOTERM CC DIRECT	GO:0071756 <sup>+</sup> pentameric IgM immunoglobulin complex	2	0.028222843	AOA075B6N9, A2N7P4, P01591	260	2	18224	70.09230769	0.999047851	0.190073522	30.94403789
GOTERM CC DIRECT	GO:0005602 <sup>+</sup> complement component C1 complex	2	0.028222843	P02746, P02745	260	2	18224	70.09230769	0.999047851	0.190073522	30.94403789
GOTERM CC DIRECT	GO:0071757 <sup>+</sup> hexameric IgM immunoglobulin complex	2	0.028222843	AOA075B6N9, A2N7P4, P01591	260	2	18224	70.09230769	0.999047851	0.190073522	30.94403789
GOTERM CC DIRECT	GO:0034365 <sup>+</sup> discoidal high-density lipoprotein particle	2	0.028222843	AOA024R3E3, F8W696, O95445	260	2	18224	70.09230769	0.999047851	0.190073522	30.94403789
GOTERM CC DIRECT	GO:0042571 <sup>+</sup> immunoglobulin complex, circulating	3	0.029346306	P01861, AOM8Q6, P01601	260	19	18224	11.06720648	0.999281167	0.191745976	31.96944345
GOTERM CC DIRECT	GO:0005583 <sup>+</sup> fibrillar collagen trimer	2	0.042035283	P51884, AOA140TA33	260	3	18224	46.72820513	0.999970628	0.257814719	42.61543357
GOTERM CC DIRECT	GO:0071748 <sup>+</sup> monomeric IgA immunoglobulin complex	2	0.042035283	P01591, AOA075B6N7	260	3	18224	46.72820513	0.999970628	0.257814719	42.61543357
GOTERM CC DIRECT	GO:0071751 <sup>+</sup> secretory IgA immunoglobulin complex	2	0.042035283	P01591, AOA075B6N7	260	3	18224	46.72820513	0.999970628	0.257814719	42.61543357
GOTERM CC DIRECT	GO:0071752 <sup>+</sup> secretory dimeric IgA immunoglobulin complex	2	0.042035283	P01591, AOA075B6N7	260	3	18224	46.72820513	0.999970628	0.257814719	42.61543357
GOTERM CC DIRECT	GO:0030529 <sup>+</sup> intracellular ribonucleoprotein complex	6	0.044907375	AOA024RAZ7, P04406, B5BUE6, AOA0S2Z491, P62081, Q61BN1	260	136	18224	3.092307692	0.99998584	0.266657141	44.8011137
GOTERM CC DIRECT	GO:0045095 <sup>+</sup> keratin filament	5	0.054338305	H6VGR1, A9UF0C, P04259, P78386, P35908	260	100	18224	3.504615385	0.99999873	0.307143631	51.44952587
GOTERM CC DIRECT	GO:0030141 <sup>+</sup> secretory granule	4	0.088354282	Q9CZ78, AOA161I202, P10809, AOA024R9Q1, P07996	260	74	18224	3.788773389	1	0.44652435	69.77021898