

## **Protein Signatures of Seminal Plasma from Bulls with Contrasting Frozen-Thawed Sperm Viability**

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**Supplemental table 4.** Pearson's correlations (and p-values) among abundances of seminal plasma proteins with the highest VIP scores (as shown in Figure 2). Analyses were carried out using SAS University Edition.

<b>15 Variables:</b>	P29392 P81019 Q2KJD0 P62157 P00669 Q3MHM5 Q3ZBU7 Q3SX14 Q2KJE5 P00829 Q9BG1 Q32KL7 A0JNP2 Q3ZBD7 Q6B856
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Pearson Correlation Coefficients, N = 14 Prob >  r  under H0: Rho=0															
	P29392	P81019	Q2KJD0	P62157	P00669	Q3MHM5	Q3ZBU7	Q3SX14	Q2KJE5	P00829	Q9BG1	Q32KL7	A0JNP2	Q3ZBD7	Q6B856
<b>P29392</b> P29392	1.00000	0.23899 0.4106	0.77289 0.0012	0.60219 0.0227	-0.16414 0.5750	0.72287 0.0035	0.73463 0.0028	0.63904 0.0139	0.74157 0.0024	0.74314 0.0023	0.46332 0.0952	0.67380 0.0082	0.43593 0.1192	0.72511 0.0033	0.69303 0.0060
<b>P81019</b> P81019	0.23899 0.4106	1.00000	0.04297 0.8840	-0.04901 0.8679	0.03190 0.9138	-0.02346 0.9365	0.00298 0.9919	-0.13836 0.6371	0.18480 0.5271	0.07069 0.8102	-0.11780 0.6884	0.09700 0.7415	-0.02440 0.9340	0.18156 0.5345	-0.04711 0.8729
<b>Q2KJD0</b> Q2KJD0	0.77289 0.0012	0.04297 0.8840	1.00000	0.72665 0.0032	-0.49218 0.0738	0.98355 <.0001	0.98804 <.0001	0.58668 0.0274	0.85922 <.0001	0.88444 <.0001	0.44181 0.1137	0.73234 0.0029	0.66091 0.0101	0.91883 <.0001	0.98049 <.0001
<b>P62157</b> P62157	0.60219 0.0227	-0.04901 0.8679	0.72665 0.0032	1.00000	-0.44254 0.1131	0.71793 0.0038	0.71351 0.0042	0.44072 0.1147	0.56115 0.0368	0.52838 0.0521	0.45569 0.1015	0.41244 0.1428	0.74801 0.0021	0.70152 0.0052	0.74426 0.0023
<b>P00669</b> P00669	-0.16414 0.5750	0.03190 0.9138	-0.49218 0.0738	-0.44254 0.1131	1.00000	-0.49169 0.0741	-0.48041 0.0821	-0.26473 0.3604	-0.38947 0.1687	-0.37171 0.1907	-0.36065 0.2052	-0.25770 0.3737	-0.14580 0.6189	-0.40225 0.1539	-0.51001 0.0624
<b>Q3MHM5</b> Q3MHM5	0.72287 0.0035	-0.02346 0.9365	0.98355 <.0001	0.71793 0.0038	-0.49169 0.0741	1.00000	0.99896 <.0001	0.52390 0.0545	0.86974 <.0001	0.89685 <.0001	0.47167 0.0886	0.74676 0.0022	0.68982 0.0063	0.92962 <.0001	0.99529 <.0001
<b>Q3ZBU7</b> Q3ZBU7	0.73463 0.0028	0.00298 0.9919	0.98804 <.0001	0.71351 0.0042	-0.48041 0.0821	0.99896 <.0001	1.00000	0.52257 0.0552	0.87441 <.0001	0.89458 <.0001	0.44308 0.1126	0.74021 0.0025	0.69489 0.0058	0.93012 <.0001	0.99432 <.0001
<b>Q3SX14</b> Q3SX14	0.63904 0.0139	-0.13836 0.6371	0.58668 0.0274	0.44072 0.1147	-0.26473 0.3604	0.52390 0.0545	0.52257 0.0552	1.00000	0.26920 0.3520	0.44828 0.1079	0.51048 0.0622	0.33433 0.2427	0.13388 0.6482	0.39601 0.1610	0.50957 0.0627
<b>Q2KJE5</b> Q2KJE5	0.74157 0.0024	0.18480 0.5271	0.85922 <.0001	0.56115 0.0368	-0.38947 0.1687	0.86974 <.0001	0.87441 <.0001	0.26920 0.3520	1.00000	0.94917 <.0001	0.41062 0.1447	0.86997 <.0001	0.49213 0.0738	0.87043 <.0001	0.83923 0.0002
<b>P00829</b> P00829	0.74314 0.0023	0.07069 0.8102	0.88444 <.0001	0.52838 0.0521	-0.37171 0.1907	0.89685 <.0001	0.89458 <.0001	0.44828 0.1079	0.94917 <.0001	1.00000	0.59175 0.0258	0.94500 <.0001	0.42896 0.1259	0.89427 <.0001	0.85850 <.0001
<b>Q9BG1</b> Q9BG1	0.46332 0.0952	-0.11780 0.6884	0.44181 0.1137	0.45569 0.1015	-0.36065 0.2052	0.47167 0.0886	0.44308 0.1126	0.51048 0.0622	0.41062 0.1447	0.59175 0.0258	1.00000	0.67418 0.0082	0.07021 0.8115	0.52308 0.0549	0.43863 0.1167
<b>Q32KL7</b> Q32KL7	0.67380 0.0082	0.09700 0.7415	0.73234 0.0029	0.41244 0.1428	-0.25770 0.3737	0.74676 0.0022	0.74021 0.0025	0.33433 0.2427	0.86997 <.0001	0.94500 <.0001	0.67418 0.0082	1.00000	0.29438 0.3070	0.82830 0.0003	0.69848 0.0055
<b>A0JNP2</b> A0JNP2	0.43593 0.1192	-0.02440 0.9340	0.66091 0.0101	0.74801 0.0021	-0.14580 0.6189	0.68982 0.0063	0.69489 0.0058	0.13388 0.6482	0.49213 0.0738	0.42896 0.1259	0.07021 0.8115	0.29438 0.3070	1.00000	0.72182 0.0036	0.72131 0.0036
<b>Q3ZBD7</b> Q3ZBD7	0.72511 0.0033	0.18156 0.5345	0.91883 <.0001	0.70152 0.0052	-0.40225 0.1539	0.92962 <.0001	0.93012 <.0001	0.39601 0.1610	0.87043 <.0001	0.89427 <.0001	0.52308 0.0549	0.82830 0.0003	0.72182 0.0036	1.00000	0.91329 <.0001
<b>Q6B856</b> Q6B856	0.69303 0.0060	-0.04711 0.8729	0.98049 <.0001	0.74426 0.0023	-0.51001 0.0624	0.99529 <.0001	0.99432 <.0001	0.50957 0.0627	0.83923 0.0002	0.85850 <.0001	0.43863 0.1167	0.69848 0.0055	0.72131 0.0036	0.91329 <.0001	1.00000