

Bet v 1 peptides with significant protection upon binding to H4H16992P

Bet v 1	1 minute Deuteration			5 minutes Deuteration		
	Bet v 1	Bet v 1 + H4H16992P		Bet v 1	Bet v 1 + H4H16992P	
	Centroid MH ⁺	Centroid MH ⁺	Δ	Centroid MH ⁺	Centroid MH ⁺	Δ
23-38	1748.25	1747.47	-0.78	1749.37	1747.81	-1.56
23-41	2035.88	2035.14	-0.74	2037.97	2035.48	-2.49
23-43	2265.54	2264.25	-1.29	2267.30	2264.60	-2.70
26-43	1890.50	1889.99	-1.80	1891.61	1890.02	-1.58
29-43	1603.03	1602.35	-0.67	1603.78	1602.49	-1.29

Bet v 1	10 minutes Deuteration			20 minutes Deuteration		
	Bet v 1	Bet v 1 + H4H16992P		Bet v 1	Bet v 1 + H4H16992P	
	Centroid MH ⁺	Centroid MH ⁺	Δ	Centroid MH ⁺	Centroid MH ⁺	Δ
23-38	1750.00	1748.05	-1.95	1750.83	1748.28	-2.55
23-41	2038.68	2035.86	-2.82	2039.74	2035.62	-4.12
23-43	2267.93	2264.97	-2.97	2268.94	2265.22	-3.72
26-43	1892.36	1890.15	-2.22	1893.15	1890.20	-2.95
29-43	1604.51	1602.69	-1.82	1605.34	1602.76	-2.59

Figure 1

Bet v 1 peptides with significant protection upon binding to H4H17082P

Bet v 1	1 minute Deuteration			5 minutes Deuteration	
	Bet v 1	Bet v 1 + H4H17082P2		Bet v 1	Bet v 1 + H4H17082P2
Peptide range	Centroid MH ⁺	Centroid MH ⁺	Δ	Centroid MH ⁺	Centroid MH ⁺
44-56	1289.33	1286.44	-2.89	1289.83	1286.68
44-70	2948.26	2945.90	-2.36	2949.94	2946.68
45-56	1174.64	1172.13	-2.50	1175.00	1172.18
57-66	1172.15	1172.31	0.16	1172.33	1172.62
57-70	1678.31	1678.21	-0.10	1678.93	1678.90
					-3.16
					-3.26
					-2.83
					0.29
					-0.03

Bet v 1	10 minutes Deuteration			20 minutes Deuteration	
	Bet v 1	Bet v 1 + H4H17082P2		Bet v 1	Bet v 1 + H4H17082P2
Peptide range	Centroid MH ⁺	Centroid MH ⁺	Δ	Centroid MH ⁺	Centroid MH ⁺
44-56	1290.49	1286.72	-3.77	1290.74	1286.91
44-70	2950.45	2947.01	-3.45	2951.12	2947.05
45-56	1175.04	1172.36	-2.69	1175.43	1172.49
57-66	1172.48	1172.46	-0.02	1172.49	1172.61
57-70	1678.94	1678.82	-0.12	1679.17	1678.89
					-3.83
					-4.14
					-2.94
					0.12
					-0.28

Figure 2

Bet v 1 peptides with significant protection upon binding to H4H16987P

Bet v 1	1 minute Deuteration			5 minutes Deuteration		
	Bet v 1	Bet v 1 + H4H16987P		Bet v 1	Bet v 1 + H4H16987P	
Peptide range	Centroid MH ⁺	Centroid MH ⁺	Δ	Centroid MH ⁺	Centroid MH ⁺	Δ
57-66	1172.27	1169.98	-2.38	1172.64	1170.04	-2.61
57-70	1678.61	1675.67	-2.94	1679.17	1676.05	-3.13
81-96	1731.22	1730.33	-0.89	1731.66	1730.77	-0.89
85-96	1162.24	1161.44	-0.79	1162.25	1161.74	-0.51
89-96	732.56	732.41	-0.19	732.57	732.52	-0.08

Bet v 1	10 minutes Deuteration			20 minutes Deuteration		
	Bet v 1	Bet v 1 + H4H16987P		Bet v 1	Bet v 1 + H4H16987P	
Peptide range	Centroid MH ⁺	Centroid MH ⁺	Δ	Centroid MH ⁺	Centroid MH ⁺	Δ
57-66	1172.74	1170.28	-2.46	1172.74	1170.46	-2.28
57-70	1679.38	1676.22	-3.16	1679.44	1676.44	-3
81-96	1731.67	1730.95	-0.72	1731.8	1731.27	-0.53
85-96	1162.27	1161.92	-0.34	1162.31	1162.06	-0.26
89-96	732.58	732.54	-0.08	732.62	732.53	-0.13

Figure 4

Bet v 1 peptides with significant protection upon binding to 4 antibody combo of H4H16992P, H4H17082P, H4H17038P2 and H4H16987P

Bet v 1	1 minute Deuteration			5 minutes Deuteration		
	Bet v 1	Bet v 1 + combo	Δ	Bet v 1	Bet v 1 + combo	Δ
Peptide range	Centroid MH ⁺	Centroid MH ⁺		Centroid MH ⁺	Centroid MH ⁺	
2-19	1974.69	1973.29	-1.41	1975.83	1973.96	-1.89
5-19	1670.16	1670.00	-0.41	1671.12	1670.00	-1.14
23-41	2265.84	2264.15	-1.75	2267.69	2264.35	-3.39
23-43	1228.61	1227.58	-1.04	1229.22	1227.62	-1.62
44-70	2948.40	2942.57	-5.75	2950.06	2943.03	-6.94
57-66	1171.88	1169.99	-1.44	1172.10	1169.99	-1.70
81-96	1731.58	1729.88	-1.72	1731.64	1729.99	-1.67
84-96	1325.51	1324.33	-1.24	1325.43	1324.67	-1.67

Bet v 1	10 minutes Deuteration			20 minutes Deuteration		
	Bet v 1	Bet v 1 + combo	Δ	Bet v 1	Bet v 1 + combo	Δ
Peptide range	Centroid MH ⁺	Centroid MH ⁺		Centroid MH ⁺	Centroid MH ⁺	
2-19	1976.61	1974.04	-2.59	1976.99	1974.04	-3
5-19	1671.77	1670.06	-1.74	1672.03	1670.12	-1.96
23-41	2268.43	2264.50	-3.98	2269.66	2264.72	-4.99
23-43	1230.15	1227.64	-2.52	1230.88	1227.71	-3.24
44-70	2950.52	2943.40	-7.03	2951.79	2943.42	-8.28
57-66	1172.18	1170.22	-1.56	1172.32	1170.09	-1.85
81-96	1731.76	1730.22	-1.57	1732.01	1730.61	-1.49
84-96	1325.53	1324.72	-1.57	1325.82	1324.98	-1.5

Figure 5

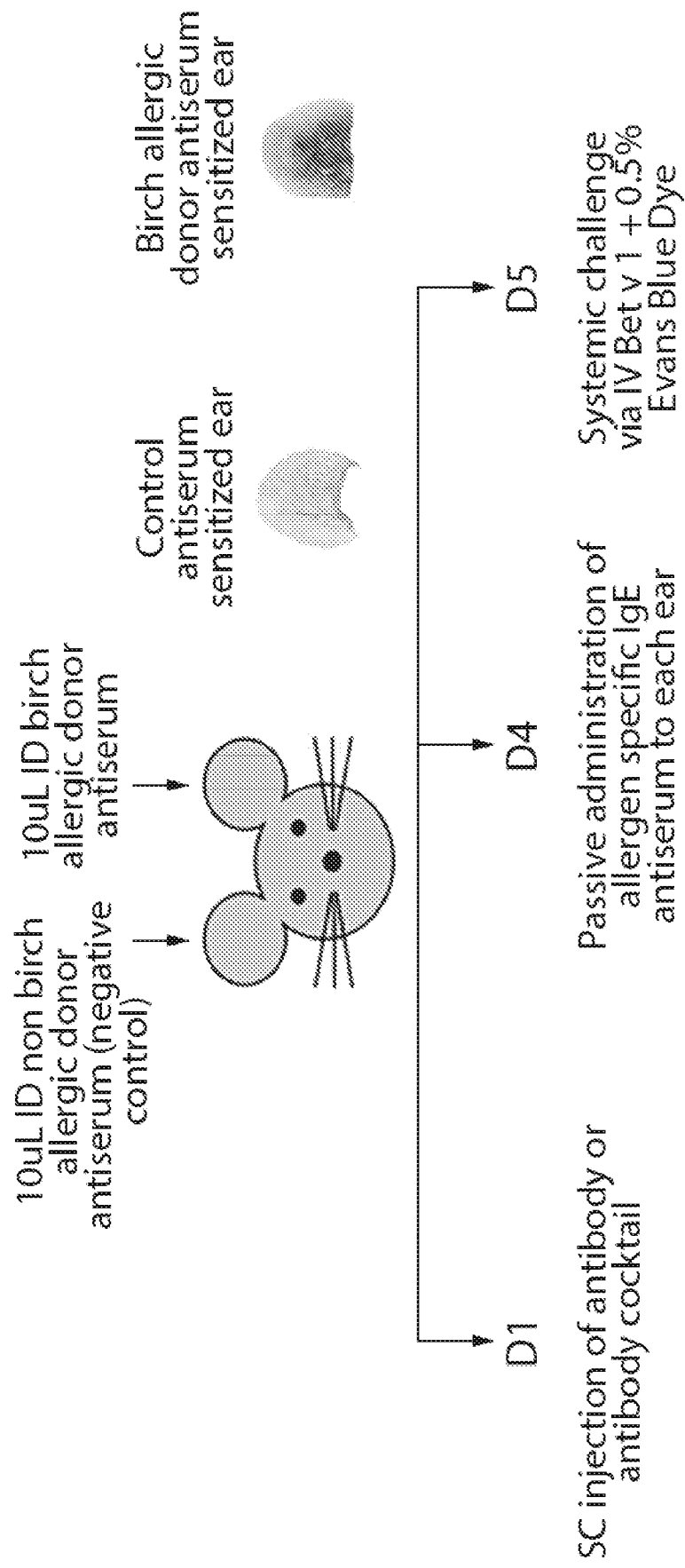


Figure 6

PCA Model Using Polyclonal Human IgE

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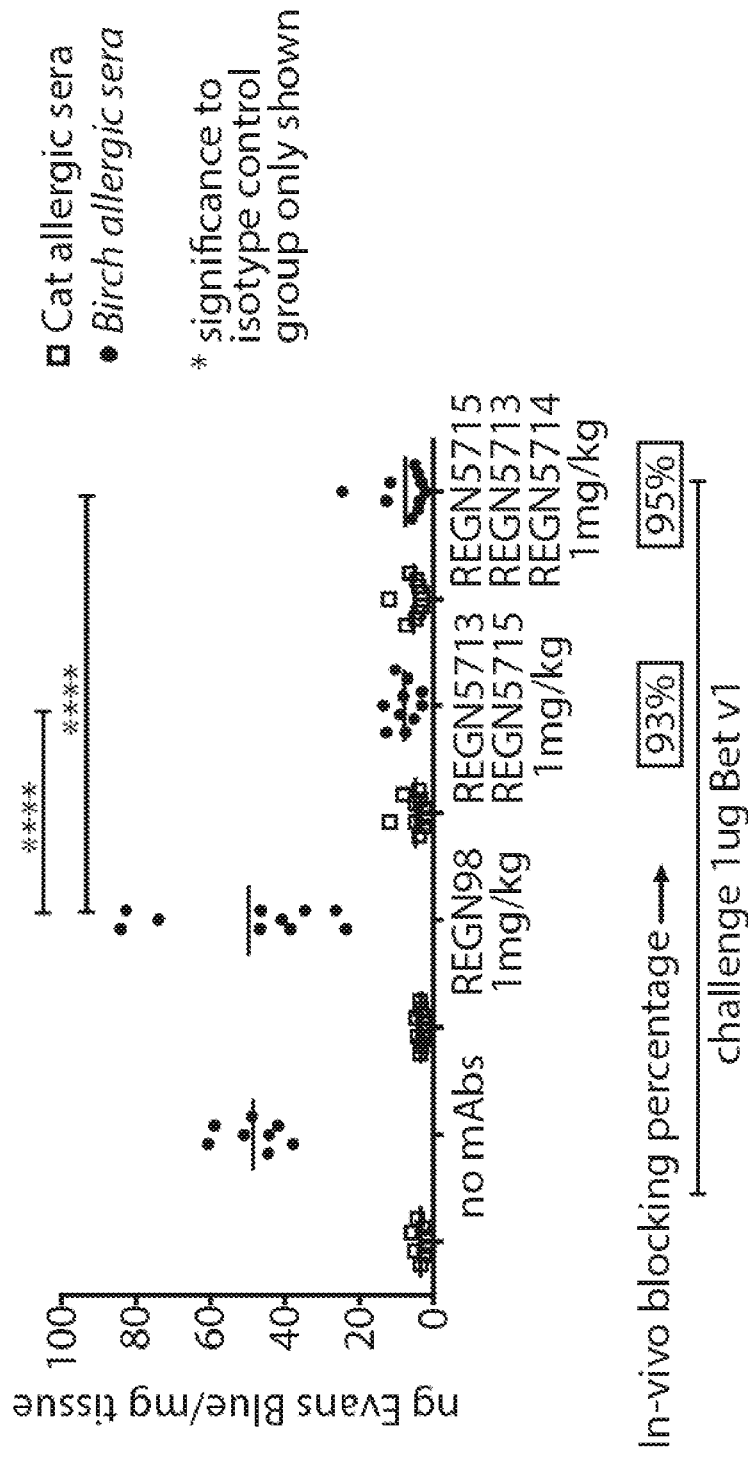


Figure 7

PCA Model Using Polyclonal Human IgE

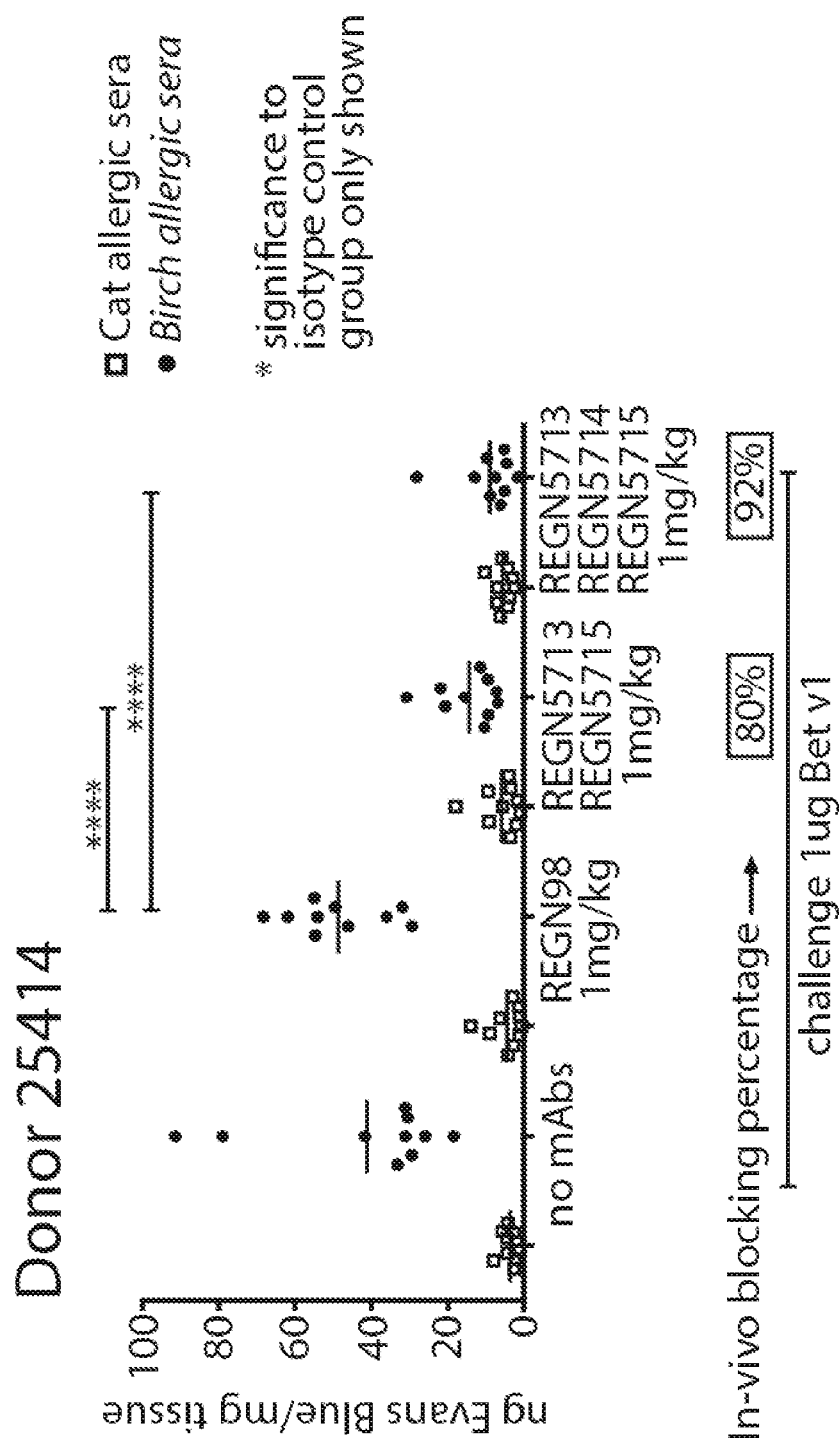


Figure 7 (cont.)

PCA Model Using Polyclonal Human IgE

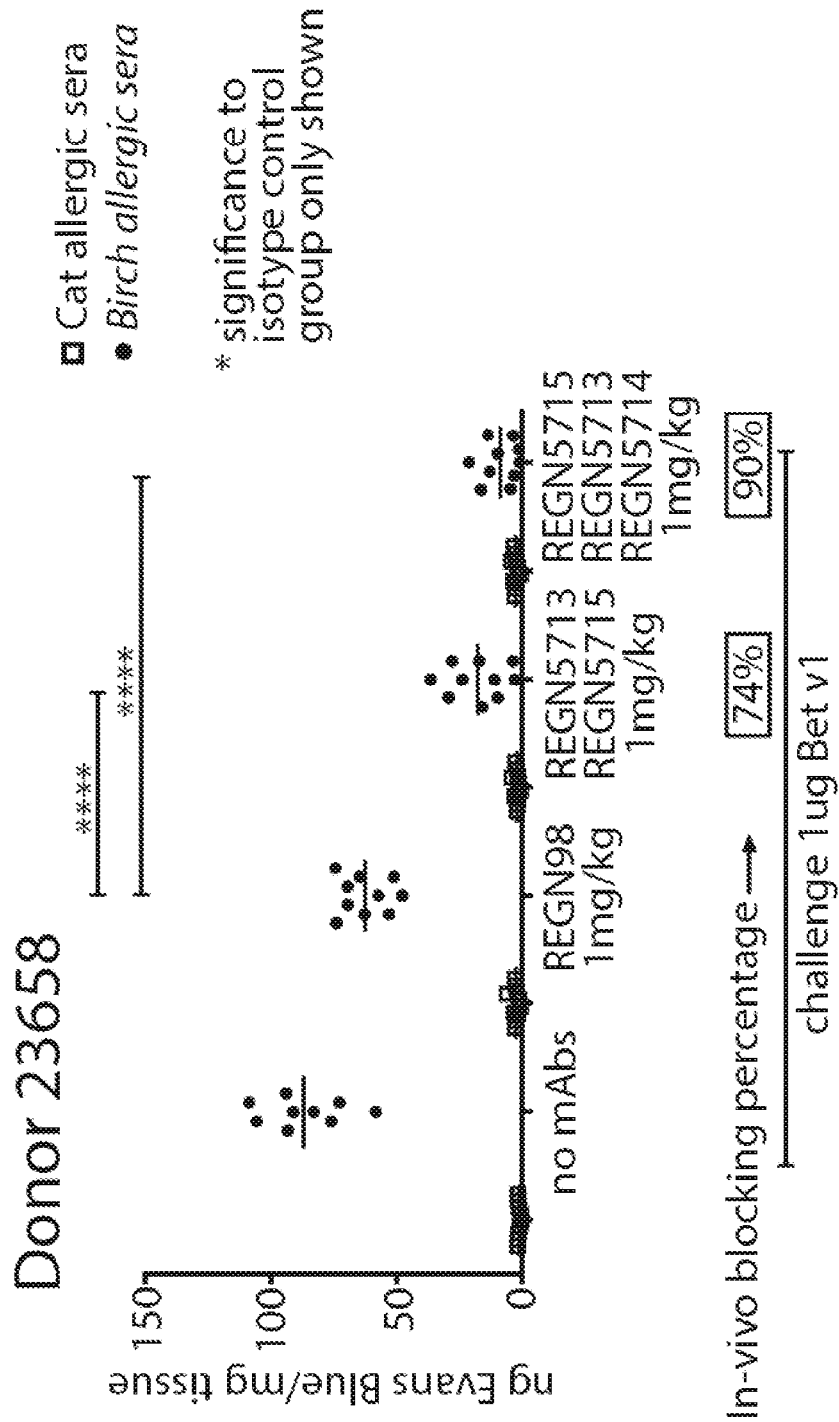


Figure 7 (cont.)

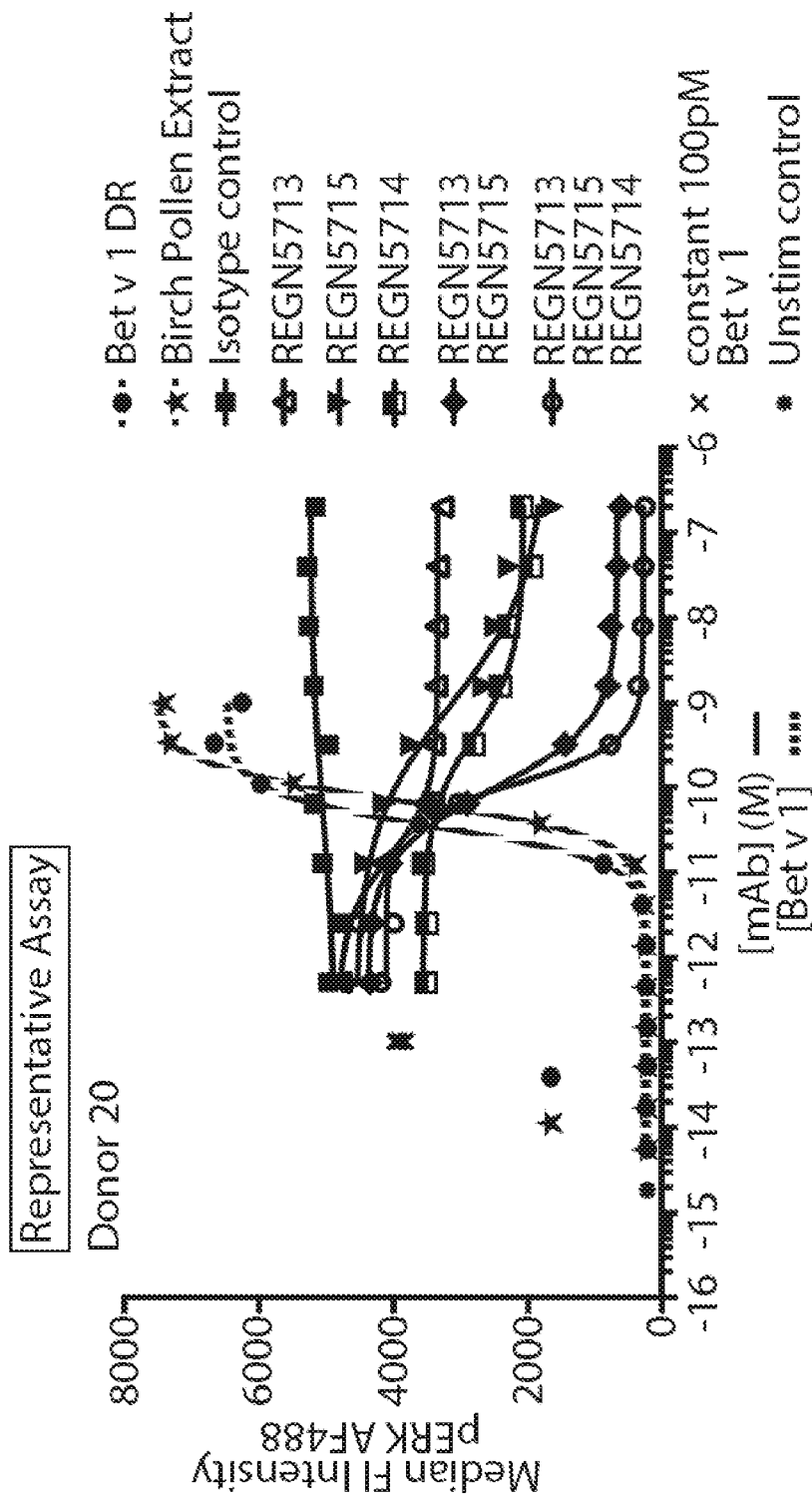


Figure 8

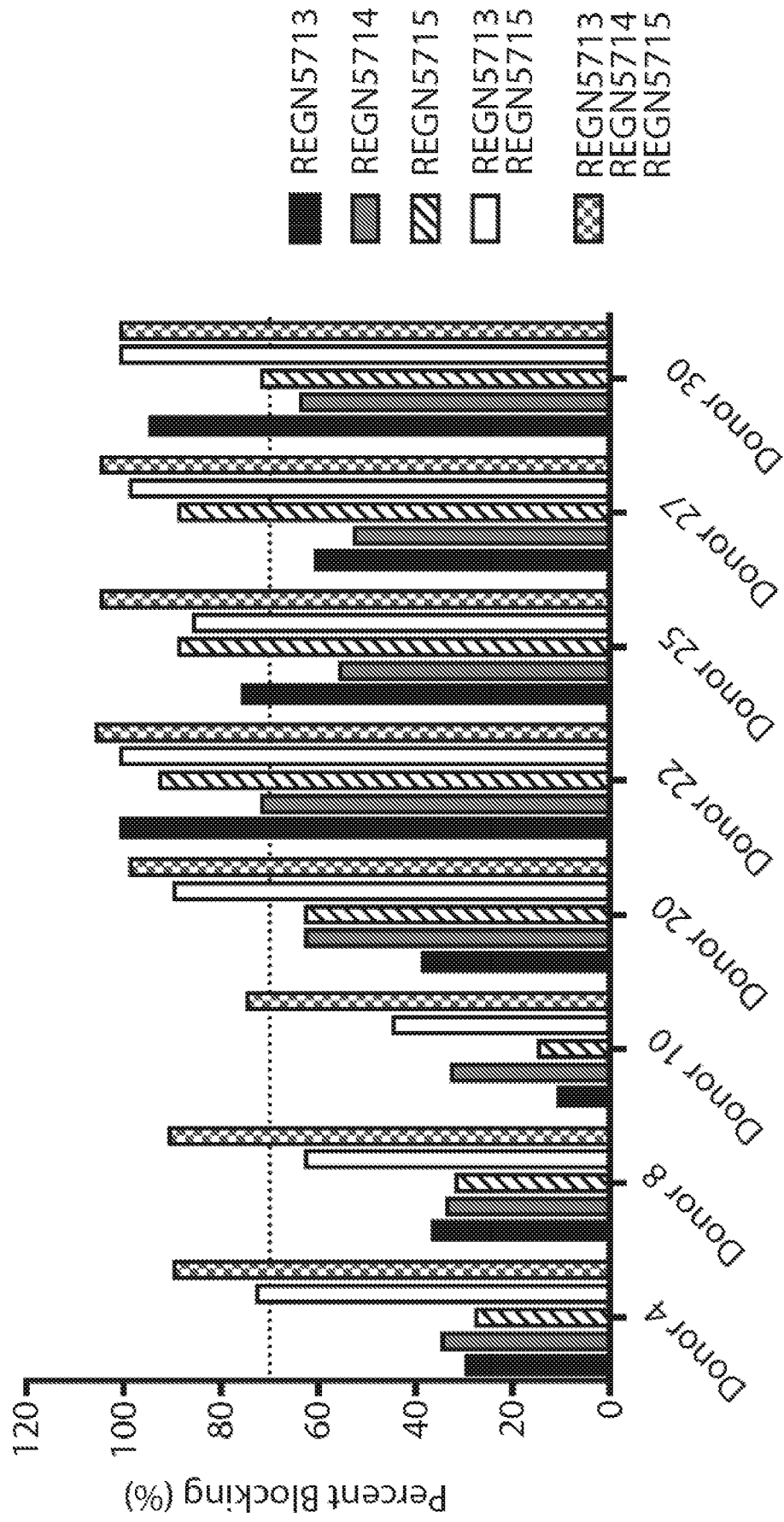


Figure 8 (cont.)