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Correlations of betanodavirus load in the brain of experimentally infected sea bass (*Dicentrarchus labrax*, L.) with varying levels of resistance to viral nervous necrosis

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Table S1. Data recorded for each separate family.

Family ID	Total fish No / family	Dead fish / family	Cumulative mortality / family %	Average weight dead \pm SD	Average weight alive \pm SD	Average time of death (hours) \pm SD
1-001	30	15	50	18.45 \pm 4.58	25.23 \pm 6.15	214.4 \pm 125.3
1-004	26	7	26.9	17.44 \pm 3.65	29.08 \pm 7.29	205.1 \pm 100.6
2-001	30	14	46.7	15.19 \pm 3.46	23.12 \pm 6.29	218.9 \pm 137.9
3-001	29	19	65.5	13.54 \pm 3.87	18.29 \pm 3.65	171.4 \pm 113.0
3-006	26	18	69.2	12.69 \pm 3.57	22.81 \pm 8.85	186.0 \pm 135.3
4-001	30	15	50	14.38 \pm 3.36	22.30 \pm 6.34	239.5 \pm 90.0
4-008	29	14	48.3	16.22 \pm 4.99	22.64 \pm 6.06	228.6 \pm 126.5
5-002	30	17	56.7	16.96 \pm 6.09	23.46 \pm 2.75	199.7 \pm 106.3
5-025	29	24	82.8	11.39 \pm 2.12	14.76 \pm 3.02	201.9 \pm 93.0
6-002	30	14	46.7	16.06 \pm 3.89	24.40 \pm 3.61	216.3 \pm 107.2
7-002	30	11	36.7	16.13 \pm 4.11	24.33 \pm 7.81	225.2 \pm 140.3
7-012	27	15	55.6	11.27 \pm 4.79	25.69 \pm 7.45	249.4 \pm 162.9
8-003	27	19	70.4	14.63 \pm 4.61	19.18 \pm 5.36	142.6 \pm 61.5
8-009	29	22	75.9	14.37 \pm 3.92	20.58 \pm 8.47	227.3 \pm 156.9
9-003	28	19	67.9	16.53 \pm 4.28	26.90 \pm 8.47	227.8 \pm 134.1
9-012	30	17	56.7	14.14 \pm 3.55	23.40 \pm 8.16	253.9 \pm 126.5
9-017	28	8	28.6	13.99 \pm 3.50	21.79 \pm 5.50	232.5 \pm 155.3
9-029	30	19	63.3	10.74 \pm 3.00	14.48 \pm 4.38	178.7 \pm 112.5
10-003	30	21	70	13.09 \pm 2.84	29.70 \pm 11.30	163.4 \pm 86.3
10-021	29	18	62.1	12.43 \pm 3.47	20.20 \pm 6.45	195.0 \pm 112.9
11-004	28	12	42.9	15.57 \pm 4.44	25.57 \pm 10.00	219.6 \pm 155.5
11-014	30	18	60	13.63 \pm 4.74	20.68 \pm 4.40	237.8 \pm 141.7
12-004	29	11	37.9	14.59 \pm 4.87	20.00 \pm 7.52	218.8 \pm 110.0
13-005	29	17	58.6	16.46 \pm 3.13	26.11 \pm 5.27	206.5 \pm 138.6
14-005	30	18	60	13.24 \pm 3.37	22.66 \pm 10.08	142.7 \pm 59.1
14-015	25	16	64	10.09 \pm 4.22	16.34 \pm 5.64	196.3 \pm 131.2
14-026	30	20	66.7	12.61 \pm 2.51	18.98 \pm 5.31	182.8 \pm 130.1
14-030	28	21	75	15.11 \pm 2.74	22.29 \pm 6.52	165.7 \pm 127.1
15-005	30	18	60	13.42 \pm 3.92	25.87 \pm 4.29	182.8 \pm 108.1
16-005	25	10	40	16.68 \pm 4.80	22.79 \pm 8.39	194.4 \pm 114.5
17-006	20	15	75	12.00 \pm 3.51	13.10 \pm 2.96	170.2 \pm 108.6
18-006	29	12	41.4	12.27 \pm 3.28	23.94 \pm 6.99	207.3 \pm 97.8
19-006	28	19	67.9	14.58 \pm 3.62	20.26 \pm 7.24	217.7 \pm 114.3
19-026	30	16	53.3	12.28 \pm 2.41	19.46 \pm 5.27	185.0 \pm 123.0

Continued

Table S1 continued

Family ID	Total fish No / family	Dead fish / family	Cumulative mortality / family %	Average weight dead \pm SD	Average weight alive \pm SD	Average time of death (hours) \pm SD
19-030	28	22	78.6	13.43 \pm 3.22	19.60 \pm 4.98	170.6 \pm 82.3
20-007	30	23	76.7	18.48 \pm 3.58	25.32 \pm 7.06	239.5 \pm 99.2
21-007	30	16	53.3	13.79 \pm 2.00	24.04 \pm 10.27	170.5 \pm 84.3
21-029	29	19	65.5	11.15 \pm 2.96	18.82 \pm 5.52	220.2 \pm 174.9
22-007	30	13	43.3	18.98 \pm 5.05	28.49 \pm 7.60	240.6 \pm 148.8
23-007	30	14	46.7	16.74 \pm 2.87	28.84 \pm 7.58	182.0 \pm 86.6
24-008	30	20	66.7	15.57 \pm 3.89	18.53 \pm 4.07	225.4 \pm 102.9
25-008	30	17	56.7	15.57 \pm 3.69	21.68 \pm 4.49	211.3 \pm 116.4
25-014	30	19	63.3	14.23 \pm 4.25	20.30 \pm 4.13	220.0 \pm 116.1
26-009	30	20	66.7	13.97 \pm 3.65	18.98 \pm 4.15	189.9 \pm 76.9
26-019	30	22	73.3	14.35 \pm 2.60	21.96 \pm 6.36	206.3 \pm 140.2
27-009	28	16	57.1	13.23 \pm 3.00	19.94 \pm 5.34	172.0 \pm 83.2
28-009	27	16	59.3	14.88 \pm 3.91	23.40 \pm 9.28	260.8 \pm 104.5
29-010	29	16	55.2	18.79 \pm 5.69	25.11 \pm 9.34	199.0 \pm 110.2
30-010	30	15	50	19.29 \pm 6.33	22.25 \pm 8.77	259.7 \pm 114.4
30-021	28	16	57.1	11.95 \pm 3.58	19.61 \pm 5.19	199.8 \pm 134.9
31-011	30	20	66.7	19.93 \pm 3.99	28.56 \pm 5.28	242.2 \pm 135.2
32-011	27	15	55.6	17.31 \pm 3.63	29.32 \pm 6.35	173.1 \pm 56.3
33-011	29	18	62.1	20.54 \pm 3.66	27.21 \pm 7.10	250.6 \pm 98.7
34-012	28	16	57.1	14.39 \pm 5.11	24.20 \pm 9.58	208.8 \pm 101.5
35-012	30	8	26.7	17.88 \pm 4.60	26.70 \pm 6.14	278.9 \pm 152.8
36-013	28	10	35.7	14.02 \pm 3.60	24.12 \pm 6.49	168.0 \pm 104.1
37-013	30	9	30	15.97 \pm 4.72	23.31 \pm 5.82	182.7 \pm 95.5
38-013	30	13	43.3	12.58 \pm 1.86	23.42 \pm 6.77	161.5 \pm 72.7
39-013	28	15	53.6	9.79 \pm 2.90	18.22 \pm 6.24	223.7 \pm 160.3
39-023	28	11	39.3	14.10 \pm 3.45	17.68 \pm 5.64	234.2 \pm 145.2
40-014	28	12	42.9	12.27 \pm 2.88	20.07 \pm 5.90	191.6 \pm 84.7
41-014	30	15	50	11.90 \pm 3.33	18.23 \pm 5.86	172.0 \pm 106.9
42-015	29	23	79.3	10.73 \pm 3.01	15.66 \pm 3.60	163.6 \pm 95.6
43-015	29	25	86.2	11.64 \pm 3.20	18.43 \pm 5.38	169.2 \pm 110.1
44-015	26	15	57.7	10.04 \pm 2.93	16.44 \pm 4.51	211.1 \pm 141.6
45-016	30	11	36.7	12.97 \pm 2.82	21.40 \pm 3.77	162.5 \pm 106.5
46-016	30	18	60	10.32 \pm 3.05	19.84 \pm 6.50	201.8 \pm 137.5
47-016	29	9	31	8.72 \pm 2.69	20.79 \pm 5.69	158.7 \pm 81.7
48-016	30	14	46.7	11.94 \pm 3.05	21.48 \pm 5.67	217.7 \pm 119.7
49-017	30	6	20	10.72 \pm 2.63	23.43 \pm 5.05	213.3 \pm 48.4
49-028	28	13	46.4	11.24 \pm 2.39	22.05 \pm 5.38	196.0 \pm 101.6
50-017	30	9	30	12.19 \pm 2.63	22.95 \pm 7.60	259.1 \pm 154.0
51-017	30	8	26.7	13.71 \pm 3.70	21.76 \pm 5.94	186.3 \pm 67.2
51-025	30	18	60	12.13 \pm 2.68	18.63 \pm 5.30	242.3 \pm 155.1
51-027	29	19	65.5	14.16 \pm 3.18	22.69 \pm 5.10	270.9 \pm 164.3
52-018	28	23	82.1	15.53 \pm 5.03	21.20 \pm 4.12	251.5 \pm 154.6
53-019	30	20	66.7	13.99 \pm 4.15	16.64 \pm 2.90	185.5 \pm 87.7
54-019	28	18	64.3	12.83 \pm 3.07	19.79 \pm 5.40	218.6 \pm 120.0
55-019	26	20	76.9	12.67 \pm 4.88	20.28 \pm 3.53	264.4 \pm 164.7
56-020	24	16	66.7	14.09 \pm 3.72	19.80 \pm 7.22	218.1 \pm 135.4

Continued

Table S1 continued

Family ID	Total fish No / family	Dead fish / family	Cumulative mortality / family %	Average weight dead \pm SD	Average weight alive \pm SD	Average time of death (hours) \pm SD
57-020	29	17	58.6	12.11 \pm 2.51	20.71 \pm 6.40	164.0 \pm 80.4
58-020	30	21	70	12.72 \pm 2.37	20.25 \pm 4.81	155.2 \pm 92.1
59-021	25	20	80	13.62 \pm 3.41	18.90 \pm 6.56	192.2 \pm 134.6
60-021	29	23	79.3	12.84 \pm 4.23	22.73 \pm 4.18	243.7 \pm 146.5
61-022	29	23	79.3	14.61 \pm 3.62	19.48 \pm 7.26	202.4 \pm 94.9
62-022	30	16	53.3	10.93 \pm 2.38	21.54 \pm 4.94	150.6 \pm 84.3
63-024	29	18	62.1	15.12 \pm 2.90	20.35 \pm 5.14	208.0 \pm 119.2
64-026	27	19	70.4	11.84 \pm 2.86	20.69 \pm 7.79	182.7 \pm 91.9
65-026	30	18	60	11.66 \pm 2.60	20.14 \pm 5.29	202.5 \pm 140.8

Table S2. Measurements of viral load in each family.

Family ID	Average brain weight dead fish mg \pm SD	Average brain weight alive fish mg \pm SD	Average concentration of viral Ag dead fish mg Noda/ mg brain $\times 10^{-3} \pm$ SD	Average concentration of viral Ag alive fish mg Noda/ mg brain $\times 10^{-3} \pm$ SD
1-001	79.53 \pm 17.15	107 \pm 7.00	1.01 \pm 1.34	0.90 \pm 0.76
1-004	80.43 \pm 17.61	101.5 \pm 4.95	0.42 \pm 0.59	1.89 \pm 0.50
2-001	71.71 \pm 9.41	0.00 \pm 0.00	1.37 \pm 3.05	0.00 \pm 0.00
3-001	68.89 \pm 10.38	97 \pm 0.00	0.60 \pm 1.04	0.69 \pm 0.00
3-006	63.31 \pm 10.73	123 \pm 0.00	1.90 \pm 3.94	0.79 \pm 0.00
4-001	66.73 \pm 17.09	89.5 \pm 8.19	0.73 \pm 0.95	0.84 \pm 1.01
4-008	70.54 \pm 10.94	0.00 \pm 0.00	1.38 \pm 1.43	0.00 \pm 0.00
5-002	69.00 \pm 11.99	0.00 \pm 0.00	1.06 \pm 1.46	0.00 \pm 0.00
5-025	56.61 \pm 10.47	51.5 \pm 2.12	1.64 \pm 1.63	0.08 \pm 0.01
6-002	64.75 \pm 14.88	107 \pm 0.00	1.41 \pm 1.70	0.03 \pm 0.00
7-002	76.70 \pm 13.78	97 \pm 8.49	0.91 \pm 1.46	1.07 \pm 0.80
7-012	58.71 \pm 16.00	112 \pm 0.00	0.95 \pm 0.93	0.04 \pm 0.00
8-003	72.29 \pm 17.51	95 \pm 0.00	0.98 \pm 1.15	0.61 \pm 0.00
8-009	66.18 \pm 15.61	0.00 \pm 0.00	1.53 \pm 1.89	0.00 \pm 0.00
9-003	75.16 \pm 16.33	111 \pm 0.00	1.36 \pm 1.51	1.09 \pm 0.00
9-012	67.35 \pm 13.12	0.00 \pm 0.00	0.94 \pm 1.79	0.00 \pm 0.00
9-017	69.13 \pm 16.44	94 \pm 0.00	0.89 \pm 1.29	0.70 \pm 0.00
9-029	47.39 \pm 12.99	69 \pm 29.70	0.98 \pm 1.34	0.93 \pm 0.58
10-003	66.52 \pm 11.62	84.5 \pm 2.12	0.96 \pm 1.18	0.04 \pm 0.01
10-021	60.13 \pm 10.14	86 \pm 27.87	1.45 \pm 1.59	0.04 \pm 0.04
11-004	70.50 \pm 12.83	99.33 \pm 43.5	1.20 \pm 1.16	0.95 \pm 0.24
11-014	71.33 \pm 13.45	94 \pm 0.00	1.16 \pm 1.25	0.04 \pm 0.00
12-004	72.00 \pm 20.56	82 \pm 0.00	0.62 \pm 0.66	5.60 \pm 0.00
13-005	77.56 \pm 12.01	63 \pm 0.00	1.09 \pm 1.40	5.41 \pm 0.00
14-005	64.94 \pm 15.51	71 \pm 0.00	0.84 \pm 1.43	2.92 \pm 0.00
14-015	62.50 \pm 16.14	0 \pm 0.00	1.43 \pm 2.08	0.00 \pm 0.00
14-026	56.10 \pm 9.28	62.67 \pm 11.9	0.97 \pm 1.41	2.42 \pm 0.57
14-030	61.29 \pm 16.58	46 \pm 0.00	1.77 \pm 3.94	0.13 \pm 0.00
15-005	66.12 \pm 14.18	119 \pm 0.00	1.02 \pm 1.33	0.01 \pm 0.00
16-005	74.40 \pm 8.51	74 \pm 0.00	2.11 \pm 2.94	2.59 \pm 0.00
17-006	60.08 \pm 15.49	0.00 \pm 0.00	0.98 \pm 0.87	0.00 \pm 0.00
18-006	63.83 \pm 11.89	0.00 \pm 0.00	1.47 \pm 1.11	0.00 \pm 0.00

Continued

Table S2 continued

Family ID	Average brain weight dead fish mg \pm SD	Average brain weight alive fish mg \pm SD	Average concentration of viral Ag dead fish mg Noda/ mg brain $\times 10^{-3} \pm$ SD	Average concentration of viral Ag alive fish mg Noda/ mg brain $\times 10^{-3} \pm$ SD
19-006	68.74 \pm 11.95	82.5 \pm 20.51	1.37 \pm 1.22	1.36 \pm 0.46
19-026	61.63 \pm 11.76	79 \pm 1.41	1.15 \pm 0.94	2.50 \pm 0.93
19-030	59.10 \pm 10.76	0.00 \pm 0.00	1.35 \pm 1.36	0.00 \pm 0.00
20-007	75.77 \pm 11.97	86 \pm 0.00	1.11 \pm 1.08	0.07 \pm 0.00
21-007	68.25 \pm 13.12	0.00 \pm 0.00	0.95 \pm 0.77	0.00 \pm 0.00
21-029	58.18 \pm 13.63	60 \pm 9.64	1.34 \pm 1.46	2.45 \pm 1.37
22-007	82.69 \pm 18.40	0.00 \pm 0.00	1.65 \pm 1.51	0.00 \pm 0.00
23-007	73.79 \pm 14.24	0.00 \pm 0.00	1.35 \pm 1.42	0.00 \pm 0.00
24-008	69.06 \pm 17.60	81.33 \pm 22.4	0.93 \pm 1.08	0.94 \pm 1.15
25-008	60.94 \pm 17.43	88 \pm 0.00	1.03 \pm 1.89	0.06 \pm 0.00
25-014	64.63 \pm 12.95	96.5 \pm 0.71	2.01 \pm 2.48	0.93 \pm 0.37
26-009	62.26 \pm 11.89	0.00 \pm 0.00	1.90 \pm 1.51	0.00 \pm 0.00
26-019	62.29 \pm 15.34	0.00 \pm 0.00	1.03 \pm 1.65	0.00 \pm 0.00
27-009	62.67 \pm 11.29	0.00 \pm 0.00	1.42 \pm 1.33	0.00 \pm 0.00
28-009	67.60 \pm 12.40	92.00 \pm 0.00	1.26 \pm 1.47	0.04 \pm 0.00
29-010	67.94 \pm 23.05	0.00 \pm 0.00	2.21 \pm 3.28	0.00 \pm 0.00
30-010	73.07 \pm 16.86	89.00 \pm 0.00	1.14 \pm 1.19	1.37 \pm 0.00
30-021	58.44 \pm 14.26	0.00 \pm 0.00	0.89 \pm 0.99	0.00 \pm 0.00
31-011	81.22 \pm 17.33	110.0 \pm 22.6	0.48 \pm 0.69	5.68 \pm 6.26
32-011	75.57 \pm 13.87	79.00 \pm 0.00	0.83 \pm 1.02	1.51 \pm 0.00
33-011	79.88 \pm 17.25	0.00 \pm 0.00	0.80 \pm 1.05	0.00 \pm 0.00
34-012	60.60 \pm 13.98	79.00 \pm 0.00	0.48 \pm 0.65	1.52 \pm 0.00
35-012	64.14 \pm 15.75	0.00 \pm 0.00	0.68 \pm 0.76	0.00 \pm 0.00
36-013	69.56 \pm 8.86	95.60 \pm 12.3	0.80 \pm 1.11	1.05 \pm 1.48
37-013	67.00 \pm 9.51	0.00 \pm 0.00	2.17 \pm 2.36	0.00 \pm 0.00
38-013	66.00 \pm 13.90	101.0 \pm 0.00	0.65 \pm 0.63	0.04 \pm 0.00
39-013	61.62 \pm 22.83	42.00 \pm 0.00	0.61 \pm 1.08	2.74 \pm 0.00
39-023	58.45 \pm 12.92	63.00 \pm 0.00	1.12 \pm 1.09	6.41 \pm 0.00
40-014	60.30 \pm 12.72	65.50 \pm 24.7	1.77 \pm 2.13	0.73 \pm 0.22
41-014	57.67 \pm 12.22	82.50 \pm 9.19	0.77 \pm 0.94	11.16 \pm 13.77
42-015	63.50 \pm 11.96	0.00 \pm 0.00	1.20 \pm 1.63	0.00 \pm 0.00
43-015	62.63 \pm 13.15	0.00 \pm 0.00	1.24 \pm 1.61	0.00 \pm 0.00
44-015	59.29 \pm 10.82	0.00 \pm 0.00	1.92 \pm 2.09	0.00 \pm 0.00
45-016	70.91 \pm 7.92	81.25 \pm 7.37	1.44 \pm 1.65	0.74 \pm 0.61
46-016	57.31 \pm 14.07	66.00 \pm 0.00	1.30 \pm 1.55	0.53 \pm 0.00
47-016	49.89 \pm 17.72	85.00 \pm 7.07	1.58 \pm 2.22	1.23 \pm 0.70
48-016	59.29 \pm 14.79	104.00 \pm 0.0	1.43 \pm 2.65	1.18 \pm 0.00
49-017	63.50 \pm 14.10	112.00 \pm 0.0	1.21 \pm 0.88	0.04 \pm 0.00
49-028	55.25 \pm 10.99	88.00 \pm 0.00	1.41 \pm 1.74	0.06 \pm 0.00
50-017	67.44 \pm 11.85	103 \pm 14.79	1.27 \pm 1.71	0.31 \pm 0.55
51-017	62.14 \pm 15.03	0.00 \pm 0.00	0.97 \pm 1.00	0.00 \pm 0.00
51-025	58.06 \pm 11.96	0.00 \pm 0.00	1.06 \pm 1.22	0.00 \pm 0.00
51-027	64.39 \pm 15.45	83.00 \pm 0.00	1.10 \pm 1.21	0.06 \pm 0.00
52-018	63.61 \pm 14.18	0.00 \pm 0.00	0.81 \pm 0.97	0.00 \pm 0.00
53-019	64.84 \pm 13.37	0.00 \pm 0.00	1.20 \pm 1.40	0.00 \pm 0.00

Continued

Table S2 continued

Family ID	Average brain weight dead fish mg \pm SD	Average brain weight alive fish mg \pm SD	Average concentration of viral Ag dead fish mg Noda/ mg brain $\times 10^{-3} \pm$ SD	Average concentration of viral Ag alive fish mg Noda/ mg brain $\times 10^{-3} \pm$ SD
54-019	61.29 \pm 9.12	88.00 \pm 0.00	1.07 \pm 1.36	0.18 \pm 0.00
55-019	52.25 \pm 13.70	76.00 \pm 0.00	1.12 \pm 0.93	0.06 \pm 0.00
56-020	63.60 \pm 14.27	45.00 \pm 0.00	0.50 \pm 0.73	0.02 \pm 0.00
57-020	61.00 \pm 11.33	0.00 \pm 0.00	2.65 \pm 6.05	0.00 \pm 0.00
58-020	59.85 \pm 15.46	0.00 \pm 0.00	1.66 \pm 3.39	0.00 \pm 0.00
59-021	62.10 \pm 14.07	0.00 \pm 0.00	1.08 \pm 1.95	0.00 \pm 0.00
60-021	60.59 \pm 15.73	0.00 \pm 0.00	1.49 \pm 3.00	0.00 \pm 0.00
61-022	63.05 \pm 14.29	0.00 \pm 0.00	1.07 \pm 2.78	0.00 \pm 0.00
62-022	52.86 \pm 10.60	0.00 \pm 0.00	1.13 \pm 1.67	0.00 \pm 0.00
63-024	71.35 \pm 9.97	83.33 \pm 18.1	1.01 \pm 1.37	1.14 \pm 0.20
64-026	60.32 \pm 13.03	81.00 \pm 33.9	3.56 \pm 6.54	0.43 \pm 0.51
65-026	53.94 \pm 10.54	71.00 \pm 9.90	0.97 \pm 1.29	1.13 \pm 0.54

Table S3. Family ranking (lower to higher cumulative % mortality) and correlation between viral Ag concentration and time of death per family.

Family ID	% Cumulative Mortality per family	Pearson's R (p<0.05) Correlation between Ag concentration (mg /mg tissue) and time of death
49-017	20	-0.427
35-012	26.7	-0.765
51-017	26.7	-0.1329
1-004	26.9	-0.2185
9-017	28.6	-0.3285
37-013	30	0.1681
50-017	30	0.33496
47-016	31	0.81739
36-013	35.7	0.5862
7-002	36.7	-0.2967
45-016	36.7	-0.0951
12-004	37.9	-0.6108
39-023	39.3	0.6117
16-005	40	-0.4487
18-006	41.4	-0.1348
11-004	42.9	0.4984
40-014	42.9	0.4249
22-007	43.3	0.105
38-013	43.3	0.20576
49-028	46.4	0.51
2-001	46.7	-0.1146
6-002	46.7	-0.2171
23-007	46.7	0.1673
48-016	46.7	-0.1735
4-008	48.3	0.17886
1-001	50	0.1386
4-001	50	-0.0492
30-010	50	-0.3052

Continued

Table S3 continued

Family ID	% Cumulative Mortality per family	Pearson's R (p<0.05) Correlation between Ag concentration (mg /mg tissue) and time of death
41-014	50	0.27448
19-026	53.3	-0.0833
21-007	53.3	0.0181
62-022	53.3	-0.3342
39-013	53.6	0.5411
29-010	55.2	-0.0644
7-012	55.6	-0.2776
32-011	55.6	-0.0813
5-002	56.7	0.03235
9-012	56.7	0.35071
25-008	56.7	-0.0755
27-009	57.1	-0.1863
30-021	57.1	0.2051
34-012	57.1	0.5797
44-015	57.7	-0.2737
13-005	58.6	-0.1571
57-020	58.6	-0.0531
28-009	59.3	0.1587
11-014	60	0.37628
14-005	60	0.20302
15-005	60	-0.0652
46-016	60	0.45329
51-025	60	0.25789
65-026	60	0.35257
10-021	62.1	0.05251
33-011	62.1	0.031
63-024	62.1	0.1954
9-029	63.3	0.67736
25-014	63.3	0.07032
14-015	64	0.27311
54-019	64.3	0.54804
3-001	65.5	0.12934
21-029	65.5	0.007
51-027	65.5	0.1878
14-026	66.7	-0.0276
24-008	66.7	0.0466
26-009	66.7	0.529
31-011	66.7	0.11919
53-019	66.7	-0.0614
56-020	66.7	0.20124
9-003	67.9	0.0542
19-006	67.9	-0.075
3-006	69.2	0.46707
10-003	70	-0.0889
58-020	70	-0.0349
8-003	70.4	0.07716

Continued

Table S3 continued

Family ID	% Cumulative Mortality per family	Pearson's R (p<0.05) Correlation between Ag concentration (mg /mg tissue) and time of death
64-026	70.4	-0.1158
26-019	73.3	0.0337
14-030	75	0.13864
17-006	75	-0.0713
8-009	75.9	0.32579
20-007	76.7	0.2928
55-019	76.9	-0.0946
19-030	78.6	-0.1122
42-015	79.3	0.52828
60-021	79.3	-0.1196
61-022	79.3	-0.1115
59-021	80	0.35688
52-018	82.1	-0.0698
5-025	82.8	-0.1391
43-015	86.2	0.78816