

**Supplementary Table S3:** Gene transcription Fold Change in Stranded Dolphins

<i>PL</i>	<i>APP</i>	<i>PSEN 1</i>	<i>PSEN 2</i>	<i>MAPT</i>	<i>GRN</i>	<i>TARDBP</i>	<i>C9orf72</i>
<sup>4</sup> IFAW 12-228 Dd	0.91	1.02	0.99	1.04	1.03	0.99	1.05
IFAW 12-223 Dd	0.95	1.50	0.96	1.44	1.05	1.77	1.73
IFAW 12-200 Dd	0.74	0.78	0.98	0.96	0.74	0.71	0.67
IFAW 12-198 Dd	1.10	1.79	1.22	1.27	0.77	2.84	2.67
IFAW 12-229 Dd	1.23	1.56	1.21	1.92	1.01	1.64	1.47
IFAW 12-205 Dd	0.84	1.07	0.89	1.28	1.00	1.68	1.51
IFAW 12-201 Dd	0.71	0.86	0.89	1.10	1.02	1.11	1.08
<b>Median (IQR)</b>	<b>0.91 (0.36)</b>	<b>1.07 (0.70)</b>	<b>0.98 (0.32)</b>	<b>1.27 (0.40)</b>	<b>1.01 (0.26)</b>	<b>1.64 (0.78)</b>	<b>1.47 (0.68)</b>
<b>Min - Max</b>	<b>0.71 – 1.23</b>	<b>0.78 – 1.79</b>	<b>0.89 – 1.22</b>	<b>0.96 – 1.92</b>	<b>0.74 – 1.05</b>	<b>0.71 – 2.84</b>	<b>0.67 – 2.67</b>

<i>OrL</i>	<i>APP</i>	<i>PSEN 1</i>	<i>PSEN 2</i>	<i>MAPT</i>	<i>GRN</i>	<i>TARDBP</i>	<i>C9orf72</i>
<sup>4</sup> IFAW 12-228 Dd	0.95	1.01	0.98	1.04	1.04	0.98	1.03
IFAW 12-223 Dd	1.28	1.31	1.09	1.79	1.25	2.08	1.70
IFAW 12-200 Dd	1.43	1.04	1.24	1.84	1.01	1.34	1.33
IFAW 12-198 Dd	1.14	1.18	1.09	1.42	0.84	1.91	1.69
IFAW 12-229 Dd	1.52	1.40	1.17	2.63	1.25	1.96	1.45
IFAW 12-205 Dd	1.38	1.27	0.96	2.24	1.60	2.53	2.17
IFAW 12-201 Dd	1.12	1.26	0.94	1.16	1.31	2.01	1.70
<b>Median (IQR)</b>	<b>1.28 (0.31) *</b>	<b>1.26 (0.27)</b>	<b>1.09 (0.21)</b>	<b>1.79 (1.08) *</b>	<b>1.25 (0.30)</b>	<b>1.96 (0.74)</b>	<b>1.69 (0.37)</b>
<b>Min - Max</b>	<b>0.95 – 1.52</b>	<b>1.01 – 1.40</b>	<b>0.94 – 1.24</b>	<b>1.04 – 2.63</b>	<b>0.84 – 1.60</b>	<b>0.98 – 2.53</b>	<b>1.03 – 2.17</b>

<i>Cer</i>	<i>APP</i>	<i>PSEN 1</i>	<i>PSEN 2</i>	<i>MAPT</i>	<i>GRN</i>	<i>TARDBP</i>	<i>C9orf72</i>
<sup>4</sup> IFAW 12-228 Dd	0.94	0.98	0.98	0.98	0.99	0.99	0.95
IFAW 12-223 Dd	0.92	1.32	0.85	1.14	0.94	1.99	1.03
IFAW 12-200 Dd	1.13	1.21	1.03	1.12	0.88	1.57	1.34
IFAW 12-198 Dd	1.31	2.94	1.21	1.14	1.16	2.92	2.69
IFAW 12-229 Dd	1.03	1.01	1.13	1.46	1.00	1.41	1.03
IFAW 12-205 Dd	1.00	1.22	0.79	1.20	1.03	2.13	2.01
IFAW 12-201 Dd	1.01	1.08	0.90	1.69	0.95	1.93	1.91
<b>Median (IQR)</b>	<b>1.01 (0.19)</b>	<b>1.21 (0.31)</b>	<b>0.98 (0.28)</b>	<b>1.14 (0.34)</b>	<b>0.99 (0.09)</b>	<b>1.93 (0.72)</b>	<b>1.34 (0.98)</b>
<b>Min - Max</b>	<b>0.92 – 1.31</b>	<b>0.98 – 2.94</b>	<b>0.79 – 1.21</b>	<b>0.98 – 1.69</b>	<b>0.88 – 1.16</b>	<b>0.99 – 2.92</b>	<b>0.95 – 2.69</b>

*Cer*: cerebellum; *PL*: parietal Lobe; *OrL*: orbital Lobe; <sup>4</sup>: Dolphin used for normalization of qPCR data; \**P*<0.05 ANOVA