**Supplementary data: Yeast-Based Screening of Natural Product Extracts Results in the identification of Prion Inhibitors from a Marine Sponge**

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**Isolation Data:**

**Invertebrate Extract**

(0.7973 g)

**Mixture**

(Elution: 14-16 min, 16.13 mg)

**Aplysamine-2**

(Elution time:

39 min, 7.96 mg)

**Purealidine-Q**

(Elution time:

37 min, 5.77 mg)

**Aplysamine-1**

(Elution time:

17 min, 9.64 mg)

**verongiaquinol** (Elution time: 62 min, 5.5 mg

**verongiaquinol-ketal**

(Elution time: 64 min, 6.2 mg

a

b

a. Methanol extraction

b. Gradient reverse phase HPLC, 100% H2O to 100% MeOH over 60 minutes, betasil 5μm C18 silica column (21.2x150 mm)

c. Gradient normal phase HPLC, 100% hexane to 100% DCM over 25 minutes, 100% DCM to 10% MeOH/DCM over 25 minutes, 10% MeOH/DCM to 100% MeOH over 25 minutes, betasil 5μm C18 silica column (21.2x150 mm)

**Freeze-dried Invertebrate Material**

(20.15 g)

c

**Supplementary Figure-S1:** Isolation diagram of the anti-prion compounds.

**Aplysamine-1 (1)**



A dark yellow amorphous solid; The (+)HRESIMS observed *m/z* 409.0366 [M+H]+ indicating a molecular formula C15H24Br2N2O(calcd C15H24Br2N2O•H+ *m/z* 409.0313). 1H NMR (d6 DMSO, 500MHz)δ= 7.65 (s, 2H), 3.99 (t, *J* = 5.8 Hz, 2H), 3.32 (t, *J* = 8.8 Hz, 2H), 3.25 (t, *J* = 8.0 Hz, 2H), 2.95 (t, *J* = 8.0 Hz, 2H), 2.82 (s, 6H, NMe), 2.78 (s, 6H, NMe), 2.18 (m, 2H). 13C NMR δ= 151.3, 137.3, 133.7 (2C), 117.9 (2C), 70.7, 57.3, 54.6, 42.8 (4C), 28.8, 25.3.

**Aplysamine-2 (2)**



A dark yellow amorphous solid; The (+)HRESIMS observed *m/z* 649.9649 [M+H]+ indicating a molecular formula C23H28Br3N3O4 (calcd C23H28Br3N3O4•H+ *m/z* 649.9688). 1H NMR (d6 DMSO, 500MHz)δ= 11.88 (s, 1H, OH), 8.04 (t, *J* = 5.8 Hz, 1H, NH), 7.48 (s, 2H), 7.37 (d, *J* = 2.0 Hz, 1H), 7.12 (dd, *J* = 2.0, 8.4 Hz, 1H), 6.98 (d, *J* = 8.5 Hz, 1H), 3.96 (t, *J* = 5.8 Hz, 2H), 3.79 (s, 3H, OMe), 3.71 (s, 2H), 3.35 (t, *J* = 7.2 Hz, 2H), 3.25 (t, *J* = 7.8 Hz, 2H), 2.76 (s, 6H, N-Me), 2.73 (t, *J* = 7.0 Hz, 2H), 2.14 (m, 2H). 13C NMR δ= 163.3, 153.8, 151.8, 150.3, 139.2, 132.8 (2C), 132.7, 130.5, 129.0, 117.2 (2C), 113.0, 110.4, 70.1, 56.0, 54.1, 42.3 (2C), 39.4, 33.2, 27.5, 24.7.

**Purealidine-Q (3)**



A dark yellow amorphous solid; The (+)HRESIMS observed *m/z* 745.8682 [M+H]+ indicating a molecular formula C23H27Br4N3O5 (calcd C23H27Br4N3O5•H+ *m/z* 745.8721). 1H NMR (d6 DMSO, 500MHz)δ= 8.61 (t, *J* = 5.6 Hz, 1H, NH), 7.48 (s, 2H), 6.56 (s, 1H), 6.38 (d, *J* = 8.0 Hz, 1H, OH), 3.96 (t, *J* = 5.6 Hz, 2H), 3.91 (d, *J* = 8.0 Hz, 1H), 3.65 (s, 3H, OMe), 3.61 (d, *J* = 18.0 Hz, 1H), 3.37 (t, *J* = 7.1 Hz, 2H), 3.33 (t, *J* = 8.0 Hz, 2H), 3.18 (d, *J* = 18.3 Hz, 1H), 2.81 (s, 6H, N-Me), 2.76 (t, *J* = 6.9 Hz, 2H), 2.17 (m, 2H). 13C NMR δ= 159.5, 154.9, 150.6, 147.8, 139.7, 132.6 (2C), 130.8, 121.4, 117.7 (2C), 113.6, 91.0, 73.1, 69.8, 59.2, 53.9, 41.9 (2C), 39.3 (2C), 32.8, 24.4.

**3,5-dibromoverongiaquinol (4)**



A pale yellow amorphous solid; The (-)HRESIMS observed *m/z* 437.8642 [M+TFA-H]- indicating a molecular formula C8H7Br2NO3 (calcd C8H7Br2NO3•CF3COO- *m/z* 437.8623). 1H NMR (d6 DMSO, 500MHz)δ= 7.59 (s, 2H), 7.46 (bs, 1H, NH), 6.99 (bs, 1H, NH), 6.43 (bs, 1H, OH), 2.59 (s, 2H). 13C NMR δ= 172.5, 169.4, 153.4 (2C), 119.1 (2C), 71.9, 44.7.

**3,5-dibromoverongiaquinol dimethyl ketal (5)**



A pale yellow amorphous solid; The (-)HRESIMS observed *m/z* 483.9064 [M+TFA-H]- indicating a molecular formula C10H13Br2NO4 (calcd C10H13Br2NO4•CF3COO- *m/z* 483.9041). 1H NMR (d6 DMSO, 500MHz)δ= 7.45 (bs, 1H, NH), 7.01 (bs, 1H, NH), 6.81 (s, 2H), 6.07 (bs, 1H, OH), 3.04 (s, 3H, OMe), 2.95 (s, 3H, OMe), 2.41 (s, 2H). 13C NMR δ= 170.1, 142.1 (2C), 120.5 (2C), 96.7, 70.6, 50.2 (2C), 46.6.

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Supplementary Figure-S2: Dilutions of the 100% [*PSI+*] culture, 100% [*psi-*] culture and 50% [*PSI+*]/50% [*psi-*] culture were made. The absorbance of the samples was measured at 540nm to calculate the colour intensity and 600nm to calculate cell density. Absorbance at 540nm was graphed with absorbance at 600nm. The lower linear line is the dilutions of the 100% [*PSI+*] culture (blue). The upper linear line is the dilutions of the 100% [*psi-*] culture (red). The middle linear line is the dilutions of the 50% [*PSI+*]/50% [*psi-*] culture (purple). This was used confirm correction of colour intensity using the cell density.

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Supplementary Figure-S3: Plot of the colour intensity of screening assays for all marine invertebrates vs. the optical density at 600nm as a measure of cell density. The lower linear line is 0% curing with the negative control (blue). The upper linear line is 100% curing with the positive control (red). The red line is the mean of the samples screened and the red dotted line indicates two standard deviations from the mean.

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Supplementary Figure-S4: Micro-titre wells (a) and the dose response curves (b) of bioactive extracts that were confirmed active and were analysed further.

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Supplementary Figure-S5: Dose response of compounds 1-3 with differing concentrations of GuHCl; (a) 0.5 mM GuHCl; (b) 0.25 mM GuHCl; (c) 0 mM GuHCl. This displays a clear synergistic effect between the three antiprion compounds described (1-3) and GuHCl.. % Color intensity was measured by fluorescence and was first normalized to optical density and secondly to 100% curing observed for GuHCl Compounds 2 and 3 were toxic above 64 µM

Supplementary Table-S1: Activity data for each marine invertebrate extract screened.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ACENV No.** | **Invertebrate** | **STRg6 [*PSI+*] activity** | **Confirmation** | **SB34 [URE3] activity** |
| ACENV0028 | Ascidian | -5 |  |  |
| ACENV0029 | Sponge | -11 |  |  |
| ACENV0030 | Sponge | 12 |  |  |
| ACENV0031 | Sponge | Toxic | Inactive |  |
| ACENV0032 | Sponge | 19 |  |  |
| ACENV0033 | Sponge | Toxic | Inactive |  |
| ACENV0034 | Ascidian | Toxic | Inactive |  |
| ACENV0036 | Sponge | 31 |  |  |
| ACENV0039 | Ascidian | 28 |  |  |
| ACENV0040 | Ascidian | 9 |  |  |
| ACENV0041 | Ascidian | 22 |  |  |
| ACENV0043 | Sponge | 3 |  |  |
| ACENV0045 | Ascidian | 12 |  |  |
| ACENV0046 | Sponge | 15 |  |  |
| ACENV0047 | Sponge | 19 |  |  |
| ACENV0048 | Sponge | 8 |  |  |
| ACENV0049 | Sponge | -2 |  |  |
| ACENV0050 | Sponge | -1 |  |  |
| ACENV0051 | Sponge | 5 |  |  |
| ACENV0053 | Sponge | 12 |  |  |
| ACENV0054 | Sponge | 20 |  |  |
| ACENV0055 | Sponge | 9 |  |  |
| ACENV0056 | Sponge | 11 |  |  |
| ACENV0057 | Sponge | 21 |  |  |
| ACENV0060 | Sponge | 14 |  |  |
| ACENV0061 | Sponge | -5 |  |  |
| ACENV0062 | Sponge | Toxic | Inactive |  |
| ACENV0063 | Sponge | -18 |  |  |
| ACENV0064 | Sponge | -4 |  |  |
| ACENV0065 | Sponge | 48 | False positive |  |
| ACENV0066 | Ascidian | 4 |  |  |
| ACENV0067 | Sponge | 20 |  |  |
| ACENV0068 | Sponge | 46 | False positive |  |
| ACENV0069 | Sponge | 13 |  |  |
| ACENV0070 | Sponge | 18 |  |  |
| ACENV0071 | Ascidian | 4 |  |  |
| ACENV0072 | Ascidian | 39 |  |  |
| ACENV0073 | Soft Coral | 8 |  |  |
| ACENV0074 | Ascidian | 22 |  |  |
| ACENV0076 | Ascidian | 17 |  |  |
| ACENV0077 | Ascidian | 24 |  |  |
| ACENV0078 | Mollusc | 19 |  |  |
| ACENV0079 | Ascidian | 12 |  |  |
| ACENV0080 | Sponge | 61 | False positive |  |
| ACENV0081 | Sponge | 16 |  |  |
| ACENV0082 | Sponge | 18 |  |  |
| ACENV0083 | Sponge | -12 |  |  |
| ACENV0085 | Sponge | 7 |  |  |
| ACENV0086 | Ascidian | 18 |  |  |
| ACENV0088 | Sponge | 14 |  |  |
| ACENV0089 | Sponge | 25 |  |  |
| ACENV0090 | Sponge | 9 |  |  |
| ACENV0091 | Sponge | 15 |  |  |
| ACENV0092 | Sponge | -1 |  |  |
| ACENV0093 | Sponge | 18 |  |  |
| ACENV0094 | Sponge | 19 |  |  |
| ACENV0095 | Sponge | 10 |  |  |
| ACENV0096 | Sponge | 82 | False positive |  |
| ACENV0097 | Sponge | 16 |  |  |
| ACENV0098 | Sponge | 16 |  |  |
| ACENV0099 | Sponge | Toxic | Inactive |  |
| ACENV0100 | Sponge | 24 |  |  |
| ACENV0101 | Sponge | Toxic | Inactive |  |
| ACENV0102 | Sponge | 24 |  |  |
| ACENV0103 | Ascidian | 18 |  |  |
| ACENV0104 | Ascidian | 16 |  |  |
| ACENV0105 | Ascidian | 15 |  |  |
| ACENV0106 | Ascidian | 27 |  |  |
| ACENV0107 | Ascidian | 8 |  |  |
| ACENV0108 | Ascidian | 26 |  |  |
| ACENV0109 | Ascidian | 32 |  |  |
| ACENV0111 | Ascidian | 34 |  |  |
| ACENV0112 | Ascidian | 12 |  |  |
| ACENV0113 | Ascidian | 19 |  |  |
| ACENV0114 | Ascidian | 11 |  |  |
| ACENV0115 | Ascidian | 17 |  |  |
| ACENV0116 | Ascidian | 65 | False positive |  |
| ACENV0117 | Ascidian | 0 |  |  |
| ACENV0119 | Ascidian | 20 |  |  |
| ACENV0120 | Ascidian | 19 |  |  |
| ACENV0121 | Ascidian | 10 |  |  |
| ACENV0122 | Ascidian | 9 |  |  |
| ACENV0124 | Ascidian | 30 |  |  |
| ACENV0125 | Ascidian | 8 |  |  |
| ACENV0127 | Ascidian | Toxic | Inactive |  |
| ACENV0128 | Sponge | 16 |  |  |
| ACENV0129 | Sponge | 83 | Active | Active |
| ACENV0130 | Sponge | 26 |  |  |
| ACENV0131 | Sponge | -2 |  |  |
| ACENV0132 | Sponge | 53 | Active | Inactive |
| ACENV0133 | Sponge | 40 |  |  |
| ACENV0134 | Sponge | 99 | Active | Active |
| ACENV0135 | Sponge | 1 |  |  |
| ACENV0136 | Sponge | 10 |  |  |
| ACENV0137 | Sponge | 15 |  |  |
| ACENV0138 | Sponge | 11 |  |  |
| ACENV0139 | Soft Coral | 2 |  |  |
| ACENV0140 | Soft Coral | 10 |  |  |
| ACENV0141 | Sponge | 25 |  |  |
| ACENV0142 | Ascidian | 16 |  |  |
| ACENV0143 | Ascidian | 9 |  |  |
| ACENV0144 | Sponge | 28 |  |  |
| ACENV0145 | Ascidian | -3 |  |  |
| ACENV0147 | Sponge | 26 |  |  |
| ACENV0148 | Ascidian | 5 |  |  |
| ACENV0149 | Ascidian | 31 |  |  |
| ACENV0150 | Ascidian | 5 |  |  |
| ACENV0151 | Ascidian | 17 |  |  |
| ACENV0152 | Mollusc | 46 | False positive |  |
| ACENV0153 | Sponge | 24 |  |  |
| ACENV0154 | Ascidian | 3 |  |  |
| ACENV0155 | Ascidian | 9 |  |  |
| ACENV0157 | Sponge | 16 |  |  |
| ACENV0158 | Sponge | 15 |  |  |
| ACENV0159 | Sponge | 11 |  |  |
| ACENV0160 | Sponge | 17 |  |  |
| ACENV0161 | crinoid | 64 | False positive |  |
| ACENV0162 | Algae | Toxic | Inactive |  |
| ACENV0163 | Ascidian | Toxic | Inactive |  |
| ACENV0166 | Sponge | Toxic | Inactive |  |
| ACENV0168 | Sponge | 20 |  |  |
| ACENV0169 | Sponge | 22 |  |  |
| ACENV0170 | Sponge | 31 |  |  |
| ACENV0171 | Sponge | 42 | Active | Inactive |
| ACENV0172 | Sponge | 10 |  |  |
| ACENV0173 | Sponge | 18 |  |  |
| ACENV0174 | Sponge | 18 |  |  |
| ACENV0175 | Sponge | 17 |  |  |
| ACENV0176 | Sponge | 11 |  |  |
| ACENV0177 | Sponge | 15 |  |  |
| ACENV0178 | Sponge | 20 |  |  |
| ACENV0179 | Ascidian | 7 |  |  |
| ACENV0180 | Ascidian | 12 |  |  |
| ACENV0182 | Ascidian | 8 |  |  |
| ACENV0183 | Ascidian | 34 |  |  |
| ACENV0184 | Soft Coral | 29 |  |  |
| ACENV0185 | Soft Coral | 1 |  |  |
| ACENV0186 | Zoanthid | 20 |  |  |
| ACENV0187 | Ascidian | 14 |  |  |
| ACENV0188 | Ascidian | 24 |  |  |
| ACENV0190 | Ascidian | 25 |  |  |
| ACENV0193 | Ascidian | 3 |  |  |
| ACENV0195 | Sponge | 26 |  |  |
| ACENV0196 | Ascidian | 18 |  |  |
| ACENV0197 | Sponge | 21 |  |  |
| ACENV0198 | Sponge | 20 |  |  |
| ACENV0199 | Sponge | 21 |  |  |
| ACENV0200 | Sponge | 29 |  |  |
| ACENV0201 | Sponge | 24 |  |  |
| ACENV0202 | Sponge | 27 |  |  |
| ACENV0203 | Sponge | 30 |  |  |
| ACENV0204 | Ascidian | 17 |  |  |
| ACENV0205 | Sponge | 21 |  |  |
| ACENV0207 | Sponge | 15 |  |  |
| ACENV0208 | Sponge | 21 |  |  |
| ACENV0212 | Sponge | 21 |  |  |
| ACENV0213 | Sponge | 34 |  |  |
| ACENV0215 | Sponge | 25 |  |  |
| ACENV0216 | Ascidian | 3 |  |  |
| ACENV0217 | Sponge | 21 |  |  |
| ACENV0218 | Sponge | 11 |  |  |
| ACENV0219 | Sponge | 37 |  |  |
| ACENV0220 | Sponge | 26 |  |  |
| ACENV0221 | Sponge | 45 | False positive |  |
| ACENV0222 | Sponge | 10 |  |  |
| ACENV0223 | Sponge | 21 |  |  |
| ACENV0224 | Sponge | -1 |  |  |
| ACENV0225 | Sponge | 1 |  |  |
| ACENV0227 | Ascidian | 13 |  |  |
| ACENV0230 | Sponge | 27 |  |  |
| ACENV0231 | Ascidian | 18 |  |  |
| ACENV0232 | Ascidian | 9 |  |  |
| ACENV0233 | Ascidian | 11 |  |  |
| ACENV0234 | Sponge | 20 |  |  |
| ACENV0235 | Ascidian | 37 |  |  |
| ACENV0236 | Sponge | 23 |  |  |
| ACENV0237 | Ascidian | 7 |  |  |
| ACENV0238 | Ascidian | 4 |  |  |
| ACENV0239 | Sponge | 20 |  |  |
| ACENV0240 | Sponge | 12 |  |  |
| ACENV0241 | Sponge | 23 |  |  |
| ACENV0242 | Bryozoan | 17 |  |  |
| ACENV0243 | Sponge | 9 |  |  |
| ACENV0244 | Ascidian | 52 | False positive |  |
| ACENV0246 | Sponge | 11 |  |  |
| ACENV0247 | Sponge | 20 |  |  |
| ACENV0248 | Sponge | 7 |  |  |
| ACENV0249 | Sponge | 47 | False positive |  |
| ACENV0250 | Ascidian | 30 |  |  |
| ACENV0251 | Sponge | 29 |  |  |
| ACENV0252 | Sponge | -6 |  |  |
| ACENV0253 | Sponge | 21 |  |  |
| ACENV0254 | Sponge | 16 |  |  |
| ACENV0255 | Sponge | 13 |  |  |
| ACENV0256 | Sponge | 26 |  |  |
| ACENV0257 | Sponge | 64 | False positive |  |
| ACENV0258 | Sponge | Toxic | Active | Active |
| ACENV0259 | Sponge | 28 |  |  |
| ACENV0260 | Ascidian | Toxic | Active | Active |
| ACENV0261 | Ascidian | 16 |  |  |
| ACENV0262 | Ascidian | 26 |  |  |
| ACENV0263 | Ascidian | Toxic | Active | Active |
| ACENV0264 | Sponge | 6 |  |  |
| ACENV0265 | Sponge | 3 |  |  |
| ACENV0266 | Sponge | 9 |  |  |
| ACENV0267 | Sponge | 24 |  |  |
| ACENV0268 | Sponge | 18 |  |  |
| ACENV0269 | Sponge | 16 |  |  |
| ACENV0270 | Ascidian | -12 |  |  |
| ACENV0271 | Ascidian | 15 |  |  |
| ACENV0272 | Sponge | 28 |  |  |
| ACENV0273 | Sponge | 40 | Active | Inactive |
| ACENV0274 | Ascidian | 4 |  |  |
| ACENV0275 | Sponge | 21 |  |  |
| ACENV0277 | Mollusc | -1 |  |  |
| ACENV0278 | Sponge | 35 |  |  |
| ACENV0279 | Sponge | 10 |  |  |
| ACENV0280 | Sponge | 27 |  |  |
| ACENV0281 | Sponge | 18 |  |  |
| ACENV0282 | Sponge | 28 |  |  |
| ACENV0283 | Sponge | 23 |  |  |
| ACENV0284 | Mollusc | 22 |  |  |
| ACENV0285 | Ascidian | 14 |  |  |
| ACENV0286 | Sponge | 11 |  |  |
| ACENV0287 | Bryozoan | Toxic | Toxic |  |
| ACENV0290 | Sponge | 10 |  |  |
| ACENV0291 | Sponge | 45 | Active | Inactive |
| ACENV0292 | Sponge | 17 |  |  |
| ACENV0293 | Sponge | 23 |  |  |
| ACENV0294 | Sponge | 14 |  |  |
| ACENV0295 | Sponge | 19 |  |  |
| ACENV0296 | Sponge | 11 |  |  |
| ACENV0297 | Ascidian | 5 |  |  |
| ACENV0298 | Sponge | 29 |  |  |
| ACENV0299 | Sponge | 21 |  |  |
| ACENV0300 | Ascidian | 15 |  |  |
| ACENV0301 | Ascidian | 14 |  |  |
| ACENV0303 | Sponge | 27 |  |  |
| ACENV0305 | Sponge | -1 |  |  |
| ACENV0306 | Ascidian | 16 |  |  |
| ACENV0307 | Sponge | 16 |  |  |
| ACENV0308 | Sponge | 15 |  |  |
| ACENV0309 | Ascidian | 22 |  |  |
| ACENV0310 | Sponge | 23 |  |  |
| ACENV0311 | Ascidian | 16 |  |  |
| ACENV0312 | Ascidian | 3 |  |  |
| ACENV0313 | Mollusc | 33 |  |  |
| ACENV0315 | Ascidian | 46 | Active | Inactive |
| ACENV0316 | Ascidian | -1 |  |  |
| ACENV0317 | Ascidian | 34 |  |  |
| ACENV0318 | Sponge | 9 |  |  |
| ACENV0319 | Sponge | 41 | Active | Inactive |
| ACENV0320 | Sponge | 22 |  |  |
| ACENV0321 | Sponge | 16 |  |  |
| ACENV0322 | Sponge | 32 |  |  |
| ACENV0323 | Ascidian | 26 |  |  |
| ACENV0324 | Sponge | 19 |  |  |
| ACENV0325 | Ascidian | 31 |  |  |
| ACENV0327 | Ascidian | 31 |  |  |
| ACENV0328 | Sponge | 13 |  |  |
| ACENV0329 | Ascidian | 22 |  |  |
| ACENV0330 | Sponge | 13 |  |  |
| ACENV0331 | Sponge | -14 |  |  |
| ACENV0332 | Sponge | 24 |  |  |
| ACENV0333 | Sponge | 1 |  |  |
| ACENV0334 | Sponge | 38 |  |  |
| ACENV0335 | Sponge | 43 | False positive |  |
| ACENV0336 | Sponge | 45 | False positive |  |
| ACENV0337 | Sponge | Toxic | Toxic |  |
| ACENV0339 | Sponge | 18 |  |  |
| ACENV0340 | Sponge | 18 |  |  |
| ACENV0341 | Ascidian | Toxic | Active | Active |
| ACENV0343 | Sponge | 14 |  |  |
| ACENV0344 | Sponge | 15 |  |  |
| ACENV0345 | Sponge | 9 |  |  |
| ACENV0346 | Ascidian | 12 |  |  |
| ACENV0347 | Sponge | 26 |  |  |
| ACENV0348 | Ascidian | 18 |  |  |
| ACENV0349 | Sponge | 19 |  |  |
| ACENV0350 | Sponge | 29 |  |  |
| ACENV0351 | Ascidian | 22 |  |  |
| ACENV0352 | Ascidian | 6 |  |  |
| ACENV0353 | Sponge | 12 |  |  |
| ACENV0354 | Sponge | 3 |  |  |
| ACENV0355 | Algae | 12 |  |  |
| ACENV0356 | Sponge | 7 |  |  |
| ACENV0357 | Ascidian | 11 |  |  |
| ACENV0358 | Ascidian | -3 |  |  |
| ACENV0359 | Ascidian | -2 |  |  |
| ACENV0361 | Sponge | 18 |  |  |
| ACENV0362 | Sponge | 11 |  |  |
| ACENV0363 | Ascidian | 13 |  |  |
| ACENV0366 | Sponge | 1 |  |  |
| ACENV0367 | Ascidian | 26 |  |  |
| ACENV0368 | Ascidian | Toxic | Inactive |  |
| ACENV0369 | Ascidian | 9 |  |  |
| ACENV0370 | Sponge | 12 |  |  |
| ACENV0371 | Ascidian | 0 |  |  |
| ACENV0372 | Sponge | 61 | False positive |  |
| ACENV0373 | Sponge | 13 |  |  |
| ACENV0374 | Sponge | 9 |  |  |
| ACENV0375 | Ascidian | 22 |  |  |
| ACENV0376 | Sponge | 20 |  |  |
| ACENV0377 | Ascidian | 0 |  |  |
| ACENV0378 | Ascidian | Toxic | Inactive |  |
| ACENV0380 | Sponge | 23 |  |  |
| ACENV0381 | Sponge | 11 |  |  |
| ACENV0386 | Soft Coral | 1 |  |  |
| ACENV0387 | Sponge | 10 |  |  |
| ACENV0388 | Ascidian | 25 |  |  |
| ACENV0390 | Sponge | -11 |  |  |
| ACENV0391 | Bryozoan | 2 |  |  |
| ACENV0393 | Soft Coral | 26 |  |  |
| ACENV0394 | Sponge | -1 |  |  |
| ACENV0395 | Soft Coral | Toxic | Inactive |  |
| ACENV0396 | Sponge | -11 |  |  |
| ACENV0397 | Sponge | -1 |  |  |
| ACENV0398 | Sponge | -14 |  |  |
| ACENV0399 | Sponge | 21 |  |  |
| ACENV0400 | Sponge | -2 |  |  |
| ACENV0401 | Sponge | -6 |  |  |
| ACENV0402 | Sponge | Toxic | Inactive |  |
| ACENV0403 | Sponge | Toxic | Inactive |  |
| ACENV0405 | Sponge | 10 |  |  |
| ACENV0406 | Sponge | -4 |  |  |
| ACENV0407 | Sponge | 11 |  |  |
| ACENV0408 | Sponge | 18 |  |  |
| ACENV0409 | Ascidian | 22 |  |  |
| ACENV0410 | Sponge | 1 |  |  |
| ACENV0411 | Sponge | 6 |  |  |
| ACENV0412 | Sponge | -1 |  |  |
| ACENV0413 | Sponge | 16 |  |  |
| ACENV0415 | Ascidian | -4 |  |  |
| ACENV0416 | Ascidian | -3 |  |  |
| ACENV0417 | Sponge | 22 |  |  |
| ACENV0418 | Sponge | 51 | Active | Inactive |
| ACENV0420 | Sponge | 21 |  |  |
| ACENV0421 | Sponge | 3 |  |  |
| ACENV0422 | Sponge | -23 |  |  |
| ACENV0423 | Sponge | -5 |  |  |
| ACENV0425 | Ascidian | -16 |  |  |
| ACENV0426 | Ascidian | Toxic | Inactive |  |
| ACENV0427 | Ascidian | 6 |  |  |
| ACENV0428 | Ascidian | 16 |  |  |
| ACENV0429 | Ascidian | -10 |  |  |
| ACENV0430 | Ascidian | 2 |  |  |
| ACENV0431 | Ascidian | Toxic | Inactive |  |
| ACENV0432 | Ascidian | 0 |  |  |
| ACENV0433 | Sponge | 15 |  |  |
| ACENV0434 | Sponge | 0 |  |  |
| ACENV0435 | Sponge | 4 |  |  |
| ACENV0436 | Ascidian | 15 |  |  |
| ACENV0438 | Sponge | 0 |  |  |
| ACENV0439 | Sponge | Toxic | Inactive |  |
| ACENV0442 | Ascidian | -9 |  |  |
| ACENV0443 | Sponge | 21 |  |  |
| ACENV0445 | Sponge | 15 |  |  |
| ACENV0446 | Sponge | 3 |  |  |
| ACENV0447 | Sponge | 7 |  |  |
| ACENV0450 | Sponge | -2 |  |  |
| ACENV0451 | Sponge | 5 |  |  |
| ACENV0452 | Ascidian | -6 |  |  |
| ACENV0453 | Sponge | -5 |  |  |
| ACENV0454 | Sponge | -6 |  |  |
| ACENV0456 | Sponge | 17 |  |  |
| ACENV0458 | Ascidian | 3 |  |  |
| ACENV0459 | Zoanthid | -15 |  |  |
| ACENV0460 | Sponge | -13 |  |  |
| ACENV0461 | Sponge | -10 |  |  |
| ACENV0462 | Ascidian | Toxic | Inactive |  |
| ACENV0465 | Sponge | -9 |  |  |
| ACENV0466 | Sponge | -14 |  |  |
| ACENV0468 | Sponge | 8 |  |  |
| ACENV0469 | Sponge | -6 |  |  |
| ACENV0470 | Sponge | -7 |  |  |
| ACENV0471 | Ascidian | 27 |  |  |
| ACENV0472 | Sponge | -3 |  |  |
| ACENV0473 | Ascidian | -4 |  |  |
| ACENV0474 | Ascidian | 22 |  |  |
| ACENV0475 | Sponge | 4 |  |  |
| ACENV0476 | Sponge | -16 |  |  |
| ACENV0477 | Sponge | -7 |  |  |
| ACENV0478 | Sponge | -26 |  |  |
| ACENV0479 | Sponge | -11 |  |  |
| ACENV0480 | Sponge | 14 |  |  |
| ACENV0481 | Sponge | Toxic | Inactive |  |
| ACENV0482 | Sponge | -8 |  |  |
| ACENV0483 | Sponge | 25 |  |  |
| ACENV0484 | Ascidian | -17 |  |  |
| ACENV0486 | Sponge | 9 |  |  |
| ACENV0487 | Soft Coral | 0 |  |  |
| ACENV0488 | Soft Coral | 1 |  |  |
| ACENV0490 | Sponge | -5 |  |  |
| ACENV0491 | Sponge | 7 |  |  |
| ACENV0492 | Sponge | 13 |  |  |
| ACENV0493 | Sponge | 22 |  |  |
| ACENV0494 | Sponge | -12 |  |  |
| ACENV0495 | Sponge | 3 |  |  |
| ACENV0496 | Ascidian | 28 |  |  |
| ACENV0497 | Sponge | 1 |  |  |
| ACENV0498 | Ascidian | -3 |  |  |
| ACENV0499 | Ascidian | 8 |  |  |
| ACENV0500 | Ascidian | 5 |  |  |
| ACENV0501 | Sponge | -9 |  |  |
| ACENV0502 | Sponge | -6 |  |  |
| ACENV0503 | Ascidian | 12 |  |  |
| ACENV0509 | Sponge | -7 |  |  |
| ACENV0511 | Ascidian | 6 |  |  |
| ACENV0512 | Ascidian | -8 |  |  |
| ACENV0514 | Sponge | Toxic | Inactive |  |
| ACENV0515 | Sponge | -2 |  |  |
| ACENV0519 | Sponge | 4 |  |  |
| ACENV0520 | Sponge | 19 |  |  |
| ACENV0522 | Sponge | -4 |  |  |
| ACENV0524 | Sponge | -24 |  |  |
| ACENV0525 | Sponge | 16 |  |  |
| ACENV0526 | Ascidian | 23 |  |  |
| ACENV0528 | Sponge | Toxic | Toxic |  |
| ACENV0529 | Ascidian | -1 |  |  |
| ACENV0530 | Ascidian | 19 |  |  |
| ACENV0531 | Soft Coral | 27 |  |  |
| ACENV0532 | Ascidian | -8 |  |  |
| ACENV0533 | Ascidian | 1 |  |  |
| ACENV0535 | Sponge | 16 |  |  |
| ACENV0536 | Soft Coral | -4 |  |  |
| ACENV0537 | Soft Coral | 12 |  |  |
| ACENV0538 | Ascidian | 14 |  |  |
| ACENV0539 | Sponge | 10 |  |  |
| ACENV0540 | Ascidian | -4 |  |  |
| ACENV0541 | Sponge | 14 |  |  |
| ACENV0542 | Ascidian | 2 |  |  |
| ACENV0544 | Sponge | 17 |  |  |
| ACENV0546 | Sponge | 11 |  |  |
| ACENV0549 | Sponge | 17 |  |  |
| ACENV0550 | Sponge | 4 |  |  |
| ACENV0552 | Sponge | 41 | False positive |  |
| ACENV0553 | Ascidian | 16 |  |  |
| ACENV0554 | Ascidian | 0 |  |  |
| ACENV0555 | Sponge | 2 |  |  |
| ACENV0557 | Ascidian | -7 |  |  |
| ACENV0559 | Sponge | -17 |  |  |
| ACENV0561 | Sponge | -1 |  |  |
| ACENV0562 | Ascidian | 9 |  |  |
| ACENV0563 | Ascidian | 9 |  |  |
| ACENV0564 | Sponge | 0 |  |  |
| ACENV0566 | Ascidian | -2 |  |  |
| ACENV0567 | Ascidian | 22 |  |  |
| ACENV0569 | Sponge | 19 |  |  |
| ACENV0570 | Sponge | -9 |  |  |
| ACENV0572 | Bryozoan | 12 |  |  |
| ACENV0579 | Bryozoan | 27 |  |  |
| ACENV0580 | Bryozoan | 47 | False positive |  |
| ACENV0581 | Bryozoan | -3 |  |  |
| ACENV0582 | Bryozoan | 12 |  |  |
| ACENV0583 | Bryozoan | 23 |  |  |
| ACENV0584 | Bryozoan | -1 |  |  |
| ACENV0586 | Bryozoan | 0 |  |  |
| ACENV0587 | Bryozoan | Toxic | Inactive |  |
| ACENV0588 | Bryozoan | 8 |  |  |
| ACENV0589 | Bryozoan | 2 |  |  |
| ACENV0590 | Bryozoan | 15 |  |  |
| ACENV0591 | Bryozoan | 17 |  |  |
| ACENV0592 | Bryozoan | 8 |  |  |
| ACENV0593 | Bryozoan | 18 |  |  |
| ACENV0594 | Bryozoan | 23 |  |  |
| ACENV0595 | Bryozoan | -10 |  |  |
| ACENV0596 | Bryozoan | -1 |  |  |
| ACENV0598 | Bryozoan | -7 |  |  |
| ACENV0599 | Bryozoan | 13 |  |  |
| ACENV0600 | Bryozoan | 3 |  |  |
| ACENV0601 | Bryozoan | 10 |  |  |
| ACENV0602 | Bryozoan | 22 |  |  |
| ACENV0603 | Bryozoan | 12 |  |  |
| ACENV0604 | Bryozoan | 7 |  |  |
| ACENV0605 | Bryozoan | 10 |  |  |
| ACENV0606 | Bryozoan | 14 |  |  |
| ACENV0607 | Bryozoan | -5 |  |  |
| ACENV0608 | Bryozoan | 25 |  |  |
| ACENV0610 | Bryozoan | Toxic | Toxic |  |
| ACENV0611 | Bryozoan | -6 |  |  |
| ACENV0612 | Bryozoan | Toxic | Toxic |  |
| ACENV0613 | Bryozoan | 1 |  |  |
| ACENV0614 | Bryozoan | 20 |  |  |
| ACENV0615 | Bryozoan | 6 |  |  |
| ACENV0616 | Bryozoan | 19 |  |  |
| ACENV0617 | Bryozoan | -7 |  |  |
| ACENV0618 | Bryozoan | Toxic | Inactive |  |
| ACENV0619 | Bryozoan | Toxic | Toxic |  |
| ACENV0620 | Bryozoan | Toxic | Inactive |  |
| ACENV0621 | Bryozoan | 20 |  |  |
| ACENV0622 | Bryozoan | 19 |  |  |
| ACENV0623 | Bryozoan | 13 |  |  |
| ACENV0624 | Bryozoan | 19 |  |  |
| ACENV0625 | Bryozoan | 9 |  |  |
| ACENV0626 | Bryozoan | Toxic | Toxic |  |
| ACENV0627 | Bryozoan | 21 |  |  |
| ACENV0628 | Bryozoan | 19 |  |  |
| ACENV0629 | Bryozoan | 7 |  |  |