

Supplemental Table 3

| Gene ID       | Protein   | AP2 domain                                    | Phosphorylation   | Methyl                   |
|---------------|-----------|---|---|--------------------------|
| TGME49_202490 | AP2VIIa-7 |   | S10, S28, S60, T51, S32, S56, S57, S346, S359, S834, S1416, S1445, S455, S1456, S2015, S2025, S2322, S238   | R261                     |
| TGME49_203690 | AP2VIIa-5 | 1838-1886                                     | S49, S433, S771, S1115, S1672, S2365  | R914                     |
| TGME49_203710 | AP2VIIa-4 | 2325-2374                                     | S24, S68, Y78, S94, T76, S235, S265, S277, S239, S273, S283, S281, S557, S559, S635, S636, S641, S689, T832, S1052, S1069, T1070, S1358, S1899, S1906, S1977, S1978, S2468, S2464, S2469, S2472, S2540, S2791, S2793, S2982, S2985, S3176, S3181, S3325 | R3036                    |
| TGME49_216220 | AP2XI-5   | 777-825                                       | S63, S68, S69, T161, T167, S163, S213, S228, T622, T623, S640, S680, S733, S736, S753, Y757, Y755   | R637                     |
| TGME49_218960 | AP2XII-1  | 672- 724;<br>1523-1577                        | T203, S235, S622, S748, S854, S899, S1014, S1046, S1402, S1391, S1382, S1392, S1383, S1384, S1394, S1754, S1736, S1750, S1751, S1740, S1856, S2101, S1754, S2112, S2104, S2113, S2106, S2147, S2150, S2259, T2263                                       | R419                     |
| TGME49_227900 | AP2X-1    |   | S394, S382, S378, S371, S379, S657, S677, S715, S1163, S1166  | R390,<br>R1260           |
| TGME49_233120 | AP2VIII-2 | 341-388;<br>496-549;<br>854-893;<br>1505-1555 | S21, S40, S48, T620, S622, S608, S606, S610, S788, S1026, S1769, S/T1820, S1822, S1825, S1846, S1853, T1857, S2093, S2165, S2167  | R275,<br>R1808,<br>R2385 |
| TGME49_247730 | AP2XII-5  | 296- 345                                      | S218, S220, T266, T268, S280, S282, S284, S390,   | R661,<br>R667            |

|               |           |           |   |                 |
|---------------|-----------|-----------|---|-----------------|
|               |           |           | S392, S467, S537, S925,<br>S930, S1066, S1070, S1299,<br>S1495  |                 |
| TGME49_262420 | APVIIb-1  |           | S261, S264, S426, S801  | R1636           |
| TGME49_272710 | AP2VIII-4 | 3187-3236 | S255, T327, S341, T332,<br>S333, S430, S438, S1191,<br>S1211, T2055, S2057,<br>S2558, S2561, S2649,<br>S2659, S2661, S2693, T3333 | R1109,<br>R1863 |

**Supplemental Table 3: Apicomplexan AP2 transcription factors**

Summary of 10 ApiAP2 transcription factors identified as being MMA modified across all biological samples examined in this study. AP2 domains (found by searching Interpro) and sites of phosphorylation (toxodb.org) are provided. Not all TgApiAP2 proteins have complete AP2 domains identified by pfam or Interpro analyses.