Table 4. Taxa and character state sequence data used in this study. Taxa are grouped according to the fictional universes they are from. Reading from left to right along the sequences, positions 1 – 32 correspond to physiological traits from Table 1, in order from *Height* to *Psychic Aptitude*; positions 33 – 52 correspond to behavioral traits from Table 2, in order from *Behavioral Adaptability* to *Joviality*; positions 53 – 70 correspond to archetypal traits from Table 3, in order from *Conflict Role* to *Associated Homeland Habitat*

|  |  |  |
| --- | --- | --- |
| **Intellectual Property (IP)** | **Taxa** | **Character State Sequences** |
|
| **Lord of the Rings (LotR)** | **Humans\_LotR** | **3 2 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 3 1 1 2 2 2 2 2 1 2 2 1 2 1 3 2 4 3 2 2 2 3 2 3 1 3 2 2 4 2 2 1 3 2 1 3 1 3 1 2 2 4 1 3 1 1 2 2 1 2 2 1** |
| **Elves\_LotR** | **4 1 1 1 1 1 1 1 1 1 1 1 1 2 1 2 2 1 1 1 1 1 3 1 3 3 2 1 3 4 4 1 1 1 2 2 1 3 1 1 4 1 2 1 1 3 5 1 1 1 2 1 1 1 4 1 4 3 3 2 2 4 3 1 1 1 1 3 1 2** |
| **Dwarves\_LotR** | **1 3 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 3 1 1 1 1 3 2 2 3 3 2 2 3 1 2 2 3 3 1 2 3 2 3 2 1 2 2 2 4 2 2 1 3 2 1 2 3 2 2 3 3 1 2 1 1 1 1 3 1 3 3 3** |
| **Orcs\_LotR** | **1 2 3 1 1 1 1 1 1 1 1 1 2 2 1 2 2 1 2 1 1 1 4 3 2 1 1 3 2 2 2 1 1 3 1 4 3 2 1 4 1 4 1 3 2 1 1 1 1 3 1 4 3 2 2 4 1 1 1 4 4 1 1 1 2 1 2 1 2 1** |
| **The Forgotten Realms (FR)** | **Humans\_FR** | **3 2 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 3 1 1 2 2 2 2 2 2 2 2 1 5 1 3 2 3 3 2 2 2 3 2 3 2 2 2 3 4 2 2 2 3 2 1 3 1 3 2 3 2 3 1 2 3 2 2 2 1 2 2 1** |
| **Elves\_FR** | **2 1 1 1 1 1 1 1 1 1 1 1 1 2 1 2 2 1 1 1 1 1 3 1 3 2 2 1 3 2 5 1 2 2 3 2 1 2 2 2 3 2 2 3 2 3 4 1 2 1 3 3 1 1 3 2 3 2 3 3 1 2 3 1 2 2 1 2 1 1** |
| **Drow\_FR** | **2 1 4 1 1 1 1 1 1 1 1 1 1 2 1 2 2 1 1 1 1 2 2 1 3 3 2 1 3 2 5 1 2 1 2 3 3 3 2 2 3 3 2 3 1 3 4 1 3 3 2 1 3 1 3 2 2 3 3 3 4 2 3 1 2 3 3 3 2 3** |
| **Dwarves\_FR** | **1 3 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 3 1 1 2 1 3 2 2 3 3 3 2 2 1 2 2 3 3 2 2 2 2 3 2 2 2 2 2 3 2 2 1 3 2 1 1 3 2 2 3 3 2 1 2 3 1 2 3 1 3 3 3** |
| **Orcs\_FR** | **3 4 3 1 1 1 1 1 1 1 1 1 2 1 1 2 2 1 3 1 1 1 4 3 2 1 1 3 1 1 2 1 1 2 2 3 3 2 1 2 1 4 1 3 2 1 1 1 1 3 1 1 3 2 2 4 1 1 1 4 4 2 1 2 2 1 3 1 1 1** |
| **The Elder Scrolls (ES)** | **Humans\_ES** | **3 3 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 3 1 1 2 2 2 2 2 2 2 2 1 5 1 3 2 3 3 2 2 2 2 2 3 2 2 2 3 4 2 2 2 2 2 2 3 1 3 1 2 2 3 1 2 3 2 2 2 1 2 2 1** |
| **Altmer\_ES** | **4 2 5 1 1 1 1 1 1 1 1 1 1 2 1 2 2 1 2 1 1 1 3 2 3 3 2 2 3 3 5 1 2 2 3 2 2 2 1 1 2 2 2 2 2 3 4 1 2 1 3 2 2 1 3 2 2 3 3 2 1 2 3 2 2 2 1 3 1 1** |
| **Dunmer\_ES** | **3 2 4 1 1 1 1 1 1 1 1 1 1 2 1 2 2 1 2 1 1 2 2 1 3 2 2 1 3 3 5 1 2 1 2 3 3 2 1 1 2 3 2 3 1 3 4 1 2 2 2 1 3 1 3 2 2 3 3 3 1 2 3 2 2 2 1 2 1 1** |
| **Dwemer\_ES** | **3 2 4 1 1 1 1 1 1 1 1 1 1 2 1 2 2 1 3 1 1 2 2 1 2 4 2 1 2 2 5 1 2 2 2 2 1 2 2 1 4 1 2 1 2 2 5 2 1 1 4 1 1 1 5 1 2 4 3 2 5 1 3 2 2 1 1 4 3 3** |
| **Orsimer\_ES** | **4 3 3 1 1 1 1 1 1 1 1 1 2 1 1 2 2 1 3 1 1 2 1 3 2 2 3 3 2 2 5 1 3 2 3 3 3 3 1 2 3 3 2 3 1 3 3 2 2 2 2 2 2 2 2 2 1 2 2 3 1 2 3 2 2 1 1 1 1 1** |
| **Warcraft (WC)** | **Humans\_WC** | **3 3 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 3 1 1 2 2 2 2 2 2 2 2 1 5 1 3 2 4 3 2 2 2 3 2 3 2 3 2 3 4 2 2 2 3 2 1 3 1 3 1 3 2 3 1 2 3 2 2 2 1 3 2 1** |
| **Night\_Elves\_WC** | **5 2 4 1 1 1 1 1 1 1 2 1 1 2 1 2 4 1 3 1 1 2 3 2 3 3 2 2 4 3 4 1 2 1 3 2 1 3 1 1 2 1 3 1 1 2 4 1 1 1 2 1 1 1 3 2 4 2 3 2 1 2 3 1 1 1 1 2 1 2** |
| **High\_Elves\_WC** | **3 1 1 1 1 1 1 1 1 1 2 1 1 2 1 2 3 1 2 1 1 2 3 1 3 3 2 1 3 3 4 1 2 1 3 2 2 2 1 1 3 2 3 2 2 2 4 1 2 2 4 1 1 2 2 2 2 2 3 3 2 1 3 2 2 1 1 4 1 2** |
| **Dwarves\_WC** | **1 3 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 3 1 1 2 1 3 2 2 3 3 2 2 5 1 3 2 4 3 2 2 3 2 4 2 2 2 2 2 4 2 2 1 4 3 1 2 2 3 2 3 3 2 2 1 3 1 1 3 1 4 3 3** |
| **Orcs\_WC** | **4 4 3 1 1 1 1 1 1 1 1 1 2 1 1 2 2 1 3 1 1 2 1 3 2 2 2 3 2 1 5 1 3 2 3 3 3 3 2 3 2 3 3 3 2 3 3 2 2 2 2 2 1 3 1 3 2 2 3 3 1 2 3 2 2 2 1 2 2 1** |
| **Warhammer (WH)** | **Humans\_WH** | **3 2 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 3 1 1 2 2 2 2 2 1 2 2 1 2 1 3 2 2 3 2 2 2 3 2 3 2 3 2 3 4 2 2 2 3 2 2 3 1 3 1 2 2 4 1 3 3 3 2 2 1 2 2 1** |
| **High\_Elves\_WH** | **4 1 1 1 1 1 1 1 1 1 1 1 1 2 1 2 2 1 1 1 1 1 3 1 3 3 2 1 3 3 4 1 2 1 2 3 2 3 1 1 3 1 3 2 2 3 5 1 1 1 2 1 1 1 3 1 2 3 3 2 2 4 3 3 2 1 1 3 2 1** |
| **Dark\_Elves\_WH** | **4 1 4 1 1 1 1 1 1 1 1 1 1 2 1 2 2 1 1 1 1 1 2 1 3 3 2 1 3 3 4 1 2 1 2 3 3 3 2 3 3 4 3 3 1 2 3 3 4 4 3 3 4 1 2 4 1 3 3 4 4 2 3 3 2 3 3 3 2 1** |
| **Dwarves\_WH** | **1 3 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 3 1 1 2 1 3 2 2 3 3 2 2 2 1 3 2 2 3 2 3 2 2 4 1 2 2 2 2 4 2 2 1 3 1 1 1 2 2 2 3 3 2 2 1 3 3 2 2 1 4 3 3** |
| **Orcs\_WH** | **4 4 3 1 1 1 1 1 1 1 1 1 2 1 1 2 2 2 1 1 2 3 4 4 2 1 1 3 1 3 2 2 1 3 1 4 3 5 1 3 1 4 1 3 3 2 1 3 5 3 1 4 5 2 1 4 1 1 3 1 4 1 3 3 3 1 2 1 1 1** |
| **Warhammer 40K (40K)** | **Humans\_40K** | **3 2 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 3 1 1 2 2 1 1 3 2 1 2 1 1 5 2 2 1 3 3 1 2 4 3 4 2 3 2 4 3 1 2 2 3 1 3 3 1 3 1 4 2 4 1 3 3 3 2 3 2 4 4 4** |
| **Eldar\_40K** | **4 1 1 1 1 1 1 1 1 1 1 1 1 2 1 2 2 1 1 1 1 1 3 2 3 4 3 2 4 3 1 4 1 1 1 3 2 4 1 1 4 1 4 2 2 2 5 1 1 1 2 1 3 1 4 1 1 5 3 2 2 4 3 3 2 1 2 5 4 4** |
| **Dark\_Eldar\_40K** | **4 1 4 1 1 1 1 1 1 1 1 1 1 2 1 2 2 1 1 1 1 1 2 2 3 4 3 2 4 3 1 4 1 1 1 4 3 4 2 2 4 4 4 3 1 2 4 3 4 4 4 3 4 1 3 4 1 5 3 4 4 2 3 3 2 3 3 5 4 4** |
| **Squats\_40K** | **1 3 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 3 1 1 2 1 2 2 3 2 2 2 2 1 5 2 2 1 3 2 2 2 3 3 2 2 2 2 3 4 2 2 1 3 1 2 3 5 1 1 4 2 2 5 1 3 3 2 3 2 4 3 3** |
| **Orks\_40K** | **4 4 3 1 1 1 1 1 1 1 1 1 2 1 1 2 2 2 1 1 2 3 4 4 2 1 1 3 1 3 2 2 1 3 1 4 3 5 1 3 2 4 1 3 3 2 1 3 5 3 1 4 5 2 1 4 1 3 3 1 4 1 3 3 3 1 2 1 1 4** |
| **The Witcher (W)** | **Humans\_W** | **3 2 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 3 1 1 2 2 2 2 2 2 2 2 1 5 1 3 2 3 3 2 2 2 3 2 3 1 2 2 2 4 2 3 2 2 2 2 3 1 3 1 3 2 3 1 3 3 2 2 2 3 2 2 1** |
| **Elves\_W** | **2 1 1 1 1 1 1 1 1 1 1 1 1 2 1 2 2 1 1 1 1 1 3 1 3 2 2 1 3 2 5 1 3 2 3 2 1 2 2 1 3 2 1 2 2 2 3 1 3 1 2 2 2 1 3 2 2 2 2 3 2 4 3 2 2 2 1 1 1 2** |
| **Dwarves\_W** | **1 3 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 3 1 1 2 1 2 1 2 2 2 2 2 2 1 3 2 4 3 2 2 2 2 3 2 1 2 2 2 4 2 2 1 2 2 2 1 3 2 2 2 2 3 2 1 3 2 2 2 1 2 1 1** |
| **Outgroups (OG)** | **Protoss\_OG** | **5 1 4 1 2 1 2 1 2 1 2 2 3 2 2 3 5 2 1 2 1 2 2 3 3 4 2 2 3 3 1 4 2 2 2 3 2 3 1 2 4 1 3 2 3 2 5 1 1 1 3 1 1 1 1 4 1 5 3 2 1 3 3 3 2 2 1 5 4 4** |
| **Zerg\_OG** | **6 5 7 2 2 3 3 2 3 4 2 1 2 2 2 3 5 2 1 2 2 3 4 4 4 1 3 4 3 4 1 2 1 4 1 4 3 5 2 4 1 5 1 3 4 1 1 3 5 5 5 4 5 2 1 4 1 1 4 3 3 3 4 3 3 4 4 6 2 4** |
| **Tyranids\_OG** | **6 5 7 2 2 3 3 3 3 4 2 1 2 2 2 3 5 2 1 2 2 3 4 4 4 1 3 4 3 5 1 2 1 4 1 4 3 5 2 4 1 5 1 3 4 1 1 3 5 5 5 4 5 2 1 4 1 1 4 1 4 4 4 4 3 4 4 6 2 4** |
| **Xenomorphs\_OG** | **5 1 6 2 2 1 3 1 2 1 3 1 2 2 2 3 5 2 1 2 2 3 4 4 4 1 2 3 4 5 1 1 1 3 1 4 3 5 1 4 1 5 1 3 3 1 1 3 5 5 5 4 5 2 1 4 1 1 3 1 3 1 4 3 3 4 4 6 2 4** |