**Table S2.** **Human and *T. brucei* sequence-similar clusters with no structure representation.** Human and *T. brucei* clusters of size ≥ 3 are shown if they have no structure representation (no crystal structures and no homology models). There may be other structure-represented clusters in the sequence-similarity network with members of the same families as shown here, but the clusters here are composed of sequences divergent from any other cluster (*E-*value > 1e-5). Family A22 has two sequence-divergent clusters in the network with no structure representation.

|  |  |  |  |
| --- | --- | --- | --- |
| **family** | ***H. sapiens*** | ***T. brucei*** | **total cluster size** |
| A02 | 38 | 0 | 38 |
| M08 | 1 | 12 | 13 |
| C85 | 6 | 2 | 8 |
| A02 | 8 | 0 | 8 |
| A22 | 5 | 1 | 6 |
| C14 | 0 | 4 | 4 |
| C13 | 3 | 1 | 4 |
| A22 | 2 | 1 | 3 |