**Table 4:** Protein PBS values given for each internal node on protein simultaneous analysis tree for each data partition. Node numbers are ASAP2 assigned labels, reported next to BS score on SA tree (Figure 5).

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Node** | **apbb2** | **nos3** | **plau** | **sorl1** | **a2m** | **blmh** | **mpo** | **ace** | **app** |
| **1** | 6 | 10 | 12.5 | 1 | 4.5 | 4 | 3.5 | -13.5 | 3 |
| **2** | 265 | 0 | -37 | 11 | -131 | -6 | -10 | -69 | 0 |
| **3** | 263 | 6 | -28 | 16 | -112 | -8 | -7 | -56 | 19 |
| **4** | 0 | 13 | 3 | -4 | -1 | 0 | 3 | 2 | 0 |
| **5** | 261 | -1 | -38 | 11 | -131 | -7 | -12 | -62 | 0 |
| **6** | 273 | 6 | -15 | 18 | -89 | 1 | -14 | -49 | 5 |
| **7** | 2 | 1 | 0 | 3 | -5 | 3 | -1 | 1 | 1 |
| **8** | 0 | 3 | 10 | 2 | 14 | 2 | 7 | -31 | 39 |
| **9** | -3 | -1 | -25 | -21 | -61 | -583 | -13 | 581 | 186 |
| **10** | 27 | 1 | 5 | 6 | 16 | 2 | 8 | 15 | -16 |
| **11** | 0 | 7 | 0 | 0 | 1 | 3 | 12 | 1 | 0 |
| **12** | 0 | 548 | 0 | 0 | 2 | 0 | 12 | 0 | -18 |
| **13** | 1 | 3 | 0 | 13 | 4 | 0 | -3 | 2 | 0 |
| **14** | 4 | 1 | 0 | 9 | 17 | 1 | -1 | 12 | 2 |
| **15** | 2 | 3 | 2 | 5 | 7 | -1 | 6 | 9 | 1 |
| **16** | 13 | 6 | 3 | 11 | 24 | 5 | 13 | 14 | 1 |
| **17** | 4 | 3 | 8 | 9 | 18 | -2 | 7 | 6 | 0 |
| **18** | 3 | 1 | -1 | -6 | -4 | -2 | -1 | 2 | 17 |
| **19** | 3 | 1 | -1 | -6 | -4 | -2 | -1 | 2 | 17 |
| **20** | -16 | 10 | 7 | 20 | 40 | 7 | 2 | -27 | -5 |
| **21** | -16 | 10 | 7 | 20 | 40 | 7 | 2 | -27 | -5 |
| **22** | -3 | -1 | -25 | -21 | -61 | -583 | -13 | 581 | 186 |
| **23** | -16 | 10 | 7 | 20 | 40 | 7 | 2 | -27 | -5 |
| **24** | -4 | 2 | 1 | 0 | 4 | 2 | 0 | 5 | 2 |
| **25** | -21 | 5 | 5 | 16 | 12 | 1 | -8 | 10 | -2 |
| **26** | 30 | 4 | 14 | -1 | 24 | -909 | 160 | 571 | 176 |
| **27** | -2 | 6 | 2 | 3 | 5 | -3 | -1 | 7 | 1 |
| **28** | 2 | 13 | 1 | 3 | -4 | 8 | 15 | -33 | 40 |
| **29** | 12 | 27 | 31 | 42 | 120 | 7 | 90 | 68 | -334 |
| **30** | 2 | 13 | 1 | 3 | -4 | 8 | 15 | -33 | 40 |
| **31** | -3 | -1 | -25 | -21 | -61 | -583 | -13 | 581 | 186 |