**Table S4: The amount of proteins of different classes in the datasets.**

|  |  |  |  |
| --- | --- | --- | --- |
| Class | Single-pass $α-$helical | Multi-pass $α-$helical | $β$-barrel |
| MCP-Large |
| Train | 1062 | 2832 | 1106 |
| Validation | 81 | 231 | 88 |
| Test | 103 | 284 | 113 |
| MCP-Small |
| Train | 134 | 367 | 217 |
| Validation | 16 | 44 | 30 |
| Test | 19 | 46 | 25 |