**Supplementary Table 4.** Genomes from Bacteroidetes species used as a reference to test the performance of the consensus annotation filters.

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| --- | --- |
| **Patric ID** | **Species** |
| 1347342.6 | Formosa agariphila KMM 3901 |
| 313598.6 | Polaribacter sp. MED152 |
| 313590.8 | Dokdonia sp. MED134 |
| 1798225.3 | Formosa sp. Hel1\_31\_208 |
| 2058137.3 | Polaribacter sp. ALD11 |
| 1336795.4 | Formosa sp. Hel3\_A1\_48 |
| 1336804.3 | Polaribacter sp. Hel1\_33\_78 |
| 1336794.4 | Formosa sp. Hel1\_33\_131 |
| 376686.1 | Flavobacterium johnsoniae UW101 |