Data Set 5: Compilation of manual annotation of prophages found in *D. vulgaris* str. Hildenborough, *Desulfocurvibacter africanus* DSM 2603, *Desulfovibrio vulgaris* str. Miyazaki, *D. vulgaris* DP4, *Desulfotomaculum hydrothermale* Lam5, *Desulfotomaculum ruminis* DSM 2154, and *Desulfotomaculum reducens* MI-1. Those results were classified in high confidence and low confidence level.