

Table S2. Rhizobiales species with homologs to genes in *phage cluster II*. The locus_tag and the e-value (Blastp against nr) are shown.

Species	Bgr_16690	Bgr_16700	Bgr_16710	Bgr_16720	Bgr_16730	Bgr_16740	Bgr_16750	Bgr_16760
<i>Azorhizobium caulinodans</i> ORS 571	AZC_0849 6e-12	AZC_0848 0.71	AZC_0846 8e-67	AZC_0845 1e-08	AZC_0843 3e-95	AZC_0841 8e-11	AZC_0840 e-128	
<i>Methylobacterium radiotolerans</i> JCM	Mrad2831_5683 5e-06	Mrad2831_5684 6.0	Mrad2831_5686 1e-40	Mrad2831_5688 3e-07	Mrad2831_5690 2e-83	Mrad2831_5694 2e-04	Mrad2831_5695 e-118	Mrad2831_5696 1e-55
<i>Rhodopseudomonas palustris</i> TIE-1	RpalDRAFT_1706 0.003		RpalDRAFT_1704 8e-58	RpalDRAFT_1703 7e-10	RpalDRAFT_1701 4e-83	RpalDRAFT_1700 5e-05	RpalDRAFT_1697 e-125	RpalDRAFT_1695 e-145