

Supplementary Table S1: Summary of the Roche 454 and Illumina Miseq and GAIIX data used for assembling *Aurantiochytrium* sp. KH105.

		Used data			Assembly					
		Total sequences (Gb)	Number of reads (million)	Average read length (bp)	Contig			Scaffold		
					Number	N50 (kb)	Total length (Mb)	Number	N50 (kb)	Total length (Mb)
454	Shotgun	2.9	4.4	661	2,038	71.2	76.5	512	366.9	76.7
Miseq	Shotgun	1.4	5.4	249						
GAllx	3-kb mate pair	4.6	30.9	148						