Community composition – top 50 clusters 293 clusters from 1950 ASVs 100% Species cluster (top-hit species) Herbaspirillum aquaticum Mucilaginibacter rubeus JF199184 s HM308839 s Flaviaesturariibacter terrae Enterobacter kobei Pseudomonas kilonensis 75% Pedobacter lotistagni Bacillus mesonae Bosea vaviloviae Lysobacter korlensis Caulobacter rhizosphaerae Duganella ginsengisoli Pedobacter kyungheensis Pedobacter ginsenosidimutans Dyadobacter endophyticus Ensifer adhaerens Rhizobium altiplani Enterobacter ludwigii PEBF s Singulisphaera acidiphila Cupriavidus necator Sphingomonas kyeonggiensis Flexibacter aurantiacus FN428761_s JQ919777 s HQ118308 s AM935032 s Flavobacterium anhuiense Lysobacter oryzae FJ192729 s Terrabacter koreensis Chitinophaga eiseniae CP011270_s Prosthecobacter fluviatilis Mucilaginibacter rigui CP000653 s JUGG_s Pseudoxanthomonas indica 25% LMEA s Bacillus cucumis Dyadobacter fermentans Pseudomonas frederiksbergensis CP003911 s Acidovorax delafieldii Shigella flexneri Flavobacterium lindanitolerans Flavobacterium defluvii NELQ_s Pedobacter solisilvae

Sample

Abundance

Relative