

Supplementary Figure Files

Figure S1. Histogram representing contig length distribution

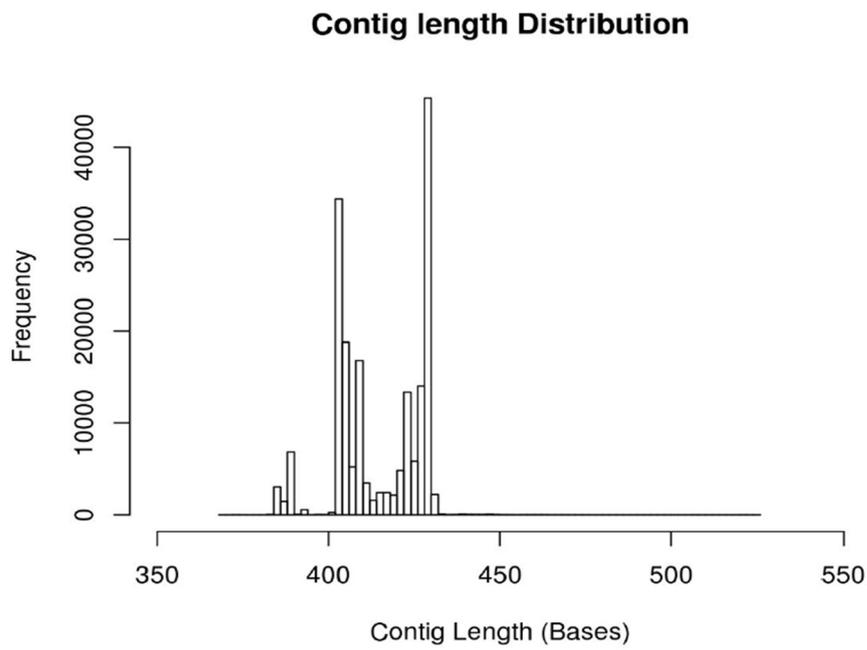


Figure S2. Rarefaction curve shows the measure of diversity that has been captured by a given number of reads in a six sample

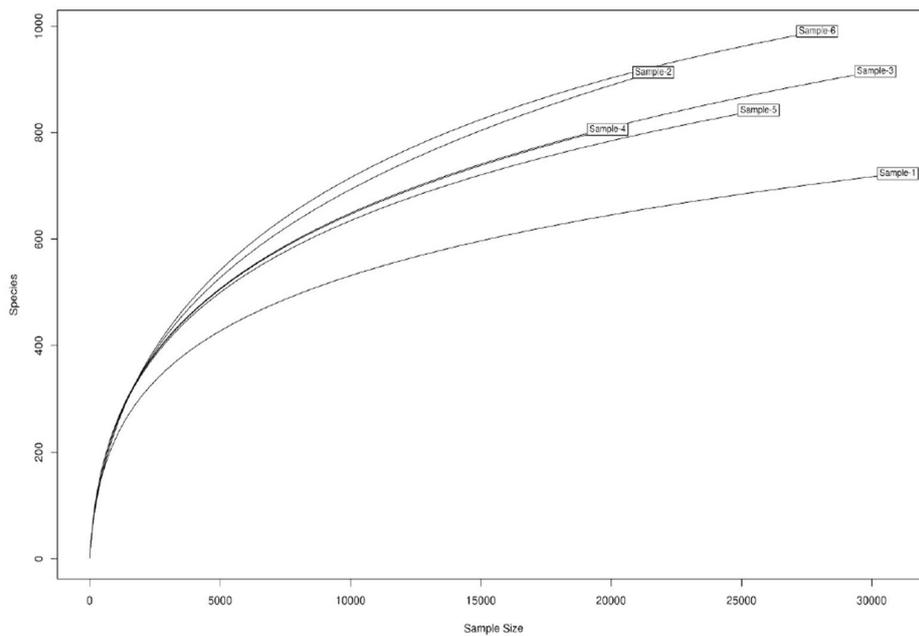


Figure S3(a). Histogram of reads with average sequence quality scores

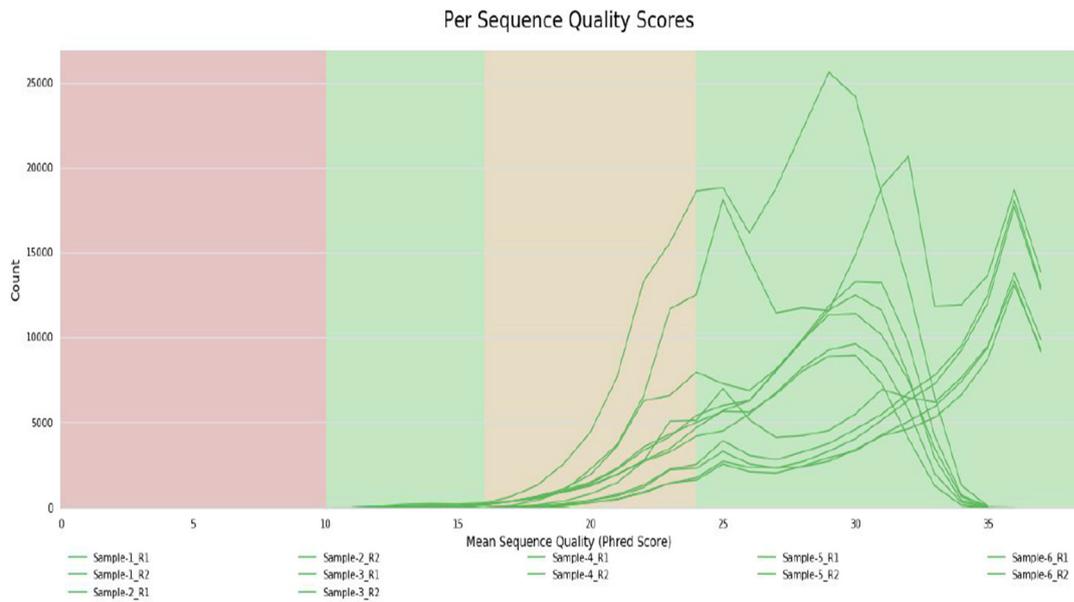
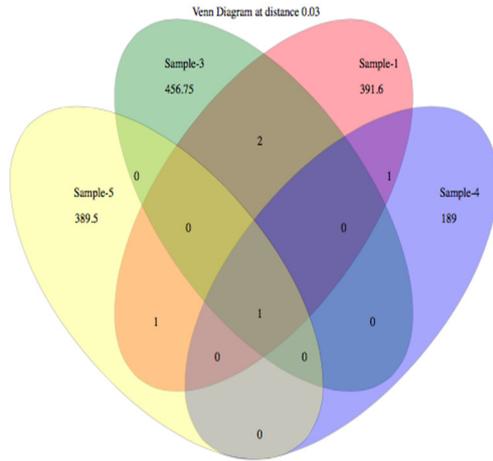


Figure S3(b). Histogram of reads with average base sequence quality scores

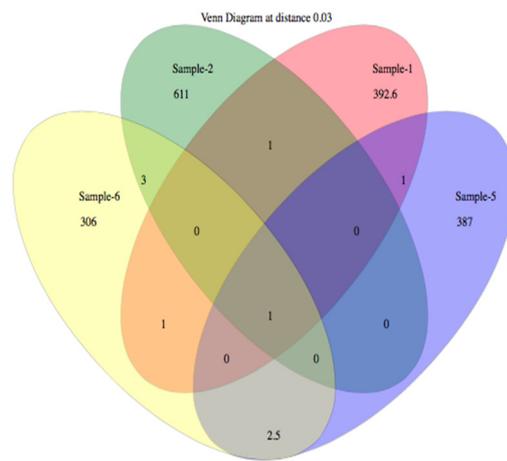


Figure S4 (a-h). Venn Diagram: Selective enrichment of microbial features at arid and semi-arid habitat. The Venn diagrams illustrate analysis of dominant features for arid and semi-arid habitats



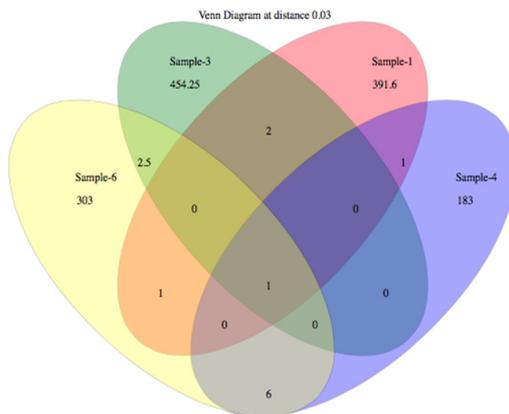
The number of species in group Sample-1 is 396.6
 The number of species in group Sample-3 is 459.75
 The number of species in group Sample-4 is 191
 The number of species in group Sample-5 is 391.5
 The number of species shared between groups Sample-1 and Sample-3 is 3
 The number of species shared between groups Sample-1 and Sample-4 is 2
 The number of species shared between groups Sample-1 and Sample-5 is 2
 The number of species shared between groups Sample-3 and Sample-4 is 1
 The number of species shared between groups Sample-3 and Sample-5 is 1
 The number of species shared between groups Sample-4 and Sample-5 is 1
 The number of species shared between groups Sample-1, Sample-3 and Sample-4 is 1
 The number of species shared between groups Sample-1, Sample-3 and Sample-5 is 1
 The number of species shared between groups Sample-1, Sample-4 and Sample-5 is 1
 The number of species shared between groups Sample-3, Sample-4 and Sample-5 is 1
 The total richness of all the groups is 1431.85

(m)



The number of species in group Sample-1 is 396.6
 The number of species in group Sample-2 is 616
 The number of species in group Sample-5 is 391.5
 The number of species in group Sample-6 is 313.5
 The number of species shared between groups Sample-1 and Sample-2 is 2
 The number of species shared between groups Sample-1 and Sample-5 is 2
 The number of species shared between groups Sample-1 and Sample-6 is 2
 The number of species shared between groups Sample-2 and Sample-5 is 1
 The number of species shared between groups Sample-2 and Sample-6 is 4
 The number of species shared between groups Sample-5 and Sample-6 is 3.5
 The number of species shared between groups Sample-1, Sample-2 and Sample-5 is 1
 The number of species shared between groups Sample-1, Sample-2 and Sample-6 is 1
 The number of species shared between groups Sample-1, Sample-5 and Sample-6 is 1
 The number of species shared between groups Sample-2, Sample-5 and Sample-6 is 1
 The total richness of all the groups is 1706.1

(n)



The number of species in group Sample-1 is 396.6
 The number of species in group Sample-3 is 459.75
 The number of species in group Sample-4 is 191
 The number of species in group Sample-6 is 313.5
 The number of species shared between groups Sample-1 and Sample-3 is 3
 The number of species shared between groups Sample-1 and Sample-4 is 2
 The number of species shared between groups Sample-1 and Sample-6 is 2
 The number of species shared between groups Sample-3 and Sample-4 is 1
 The number of species shared between groups Sample-3 and Sample-6 is 3.5
 The number of species shared between groups Sample-4 and Sample-6 is 7
 The number of species shared between groups Sample-1, Sample-3 and Sample-4 is 1
 The number of species shared between groups Sample-1, Sample-3 and Sample-6 is 1
 The number of species shared between groups Sample-1, Sample-4 and Sample-6 is 1
 The number of species shared between groups Sample-3, Sample-4 and Sample-6 is 1
 The total richness of all the groups is 1345.35

(o)