

1 File Name: Supplementary Data 1

2 Description: List of Kegg metabolic pathways detected in protein functional clusters (PFCs).

3 The number of occurrences in the 233,756 PFCs and in the 14,585 PFCs highly linked to

4 environmental gradients (hlePFCs) are given for each pathway. The percentage of

5 occurrences among hlePFCs is also given for each pathway, reflecting how the pathway was

6 selected by our random forest approach.

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8 File Name: Supplementary Data 2

9 Description: Description of the 52 environmental variables used in the study.