

Supporting information

S2 Algorithm: Cluster Categorisation

Input: A one-dimensional array A consisting of M elements, each representing the count of SFPs within each cluster obtained by Algorithm I

- 1 Perform median absolute deviation (MAD) analysis to calculate a MAD score.
- 2 Use the following equation to assign categories:

$$X - D \times MAD < x_i < X + D \times MAD \quad (1)$$

$$\frac{x_i - X}{MAD} > \|\pm D\| \text{ where } D \text{ is the rejection criteria} \quad (2)$$

Output: Based on the values of D , assign a cluster to either a HSFP, LSFP or RSFP category.
