**Supplementary Table 1. Parameters of DE1220 algorithm on each island.**

| Island IDs | Mutation variants allowed | Adaptation scheme for parameters $F$ and $C$ |
|------------|---------------------------|---------------------------------------------|
| 1          | best/1/exp; rand-to-best/1/exp; best/1/bin; rand-to-best/1/bin | jDE                                         |
| 2          | rand-to-current/2/exp; rand-to-current/2/bin                  | jDE                                         |
| 3          | rand-to-current/2/exp; rand-to-current/2/bin                  | iDE                                         |
| 4          | best/1/exp; rand-to-best/1/exp; best/1/bin; rand-to-best/1/bin | iDE                                         |
| 5          | rand/1/exp; rand/1/bin                                       | jDE                                         |
| 6          | rand-to-current/2/exp; rand-to-current/2/bin                  | jDE                                         |
| 7          | rand-to-current/2/exp; rand-to-current/2/bin                  | iDE                                         |
| 8          | best/1/exp; rand-to-best/1/exp; best/1/bin; rand-to-best/1/bin | jDE                                         |
| 9          | best/1/exp; rand-to-best/1/exp; best/1/bin; rand-to-best/1/bin | iDE                                         |
| 10         | rand/1/exp; rand/1/bin                                       | jDE                                         |