

**Table S1.** Barcode primer sequences used in this study. Amplicons were sequences from the Titanium A adaptor (CCATCTCATCCCTGCGTGTCTCCGAC), followed by a 4 bases key sequence (TCAG) and the 8 bases barcode. The reverse primer was used with the Titanium B adaptor (CCTATCCCCTGTGTGCCTTGGCAGTC), the key sequence and the target specific sequence but without barcode sequence (CCTATCCCCTGTGTGCCTTGGCAGTC TCAG ATTACCGCGGCTGCTGG).

| Barcode ID | Barcode (5' - 3') | target specific sequence |
|------------|-------------------|--------------------------|
| 1          | ACGAGTGCGT        | AGAGTTTGATCCTGGCTCAG     |
| 2          | ACGCTCGACA        | AGAGTTTGATCCTGGCTCAG     |
| 3          | AGACGCACTC        | AGAGTTTGATCCTGGCTCAG     |
| 4          | AGCACTGTAG        | AGAGTTTGATCCTGGCTCAG     |
| 5          | ATCAGACACG        | AGAGTTTGATCCTGGCTCAG     |
| 6          | ATATCGCGAG        | AGAGTTTGATCCTGGCTCAG     |
| 7          | CGTGTCTCTA        | AGAGTTTGATCCTGGCTCAG     |
| 8          | CTCGCGTGTC        | AGAGTTTGATCCTGGCTCAG     |
| 9          | TAGTATCAGC        | AGAGTTTGATCCTGGCTCAG     |
| 10         | TCTCTATGCG        | AGAGTTTGATCCTGGCTCAG     |
| 11         | TGATACGTCT        | AGAGTTTGATCCTGGCTCAG     |
| 12         | TACTGAGCTA        | AGAGTTTGATCCTGGCTCAG     |
| 13         | CATAGTAGTG        | AGAGTTTGATCCTGGCTCAG     |
| 14         | CGAGAGATAC        | AGAGTTTGATCCTGGCTCAG     |
| 15         | ATACGACGTA        | AGAGTTTGATCCTGGCTCAG     |
| 16         | TCACGTAATA        | AGAGTTTGATCCTGGCTCAG     |
| 17         | CGTCTAGTAC        | AGAGTTTGATCCTGGCTCAG     |
| 18         | TCTACGTAGC        | AGAGTTTGATCCTGGCTCAG     |
| 19         | TGTACTACTC        | AGAGTTTGATCCTGGCTCAG     |
| 20         | ACGACTACAG        | AGAGTTTGATCCTGGCTCAG     |
| 21         | CGTAGACTAG        | AGAGTTTGATCCTGGCTCAG     |
| 22         | TACGAGTATG        | AGAGTTTGATCCTGGCTCAG     |
| 23         | TACTCTCGTG        | AGAGTTTGATCCTGGCTCAG     |
| 24         | TAGAGACGAG        | AGAGTTTGATCCTGGCTCAG     |
| 25         | TCGTCGCTCG        | AGAGTTTGATCCTGGCTCAG     |
| 26         | ACATACGCGT        | AGAGTTTGATCCTGGCTCAG     |
| 27         | ACGCGAGTAT        | AGAGTTTGATCCTGGCTCAG     |
| 28         | ACTACTATGT        | AGAGTTTGATCCTGGCTCAG     |
| 29         | ACTGTACAGT        | AGAGTTTGATCCTGGCTCAG     |
| 30         | AGACTATACT        | AGAGTTTGATCCTGGCTCAG     |