APPENDIX 1

**Appendix 1-table 1.** List of the 106 DBLαAF forward primer sequences. The GS FLX Titanium primer sequence (i.e., Adaptor) is represented in red (5'-CGTATCGCCTCCCTCGCGCCA-3'), the key in blue (5'-TCAG-3'), the unique 10 bp multiplex identifier in black (5'-MID-'3), and the forward primer sequence in green (DBLαAF, 5'-GCACGMAGTTTYGC-3').

| Forward Primer Sequence (5' -> 3'): Adaptor + Key + MID + DBLαAF forward primer | | | | |
|---|---|---|---|---|
| Primer name | Adaptor | Key | MID | Primer |
| DBLaAF-MID-1 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACGAGTGCGT | GCACGMAGTTTYGC |
| DBLaAF-MID-2 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACGCTCGACA | GCACGMAGTTTYGC |
| DBLaAF-MID-3 | CGTATCGCCTCCCTCGCGCCA | TCAG | AGACGCACTC | GCACGMAGTTTYGC |
| DBLaAF-MID-4 | CGTATCGCCTCCCTCGCGCCA | TCAG | AGCACTGTAG | GCACGMAGTTTYGC |
| DBLaAF-MID-5 | CGTATCGCCTCCCTCGCGCCA | TCAG | ATCAGACACG | GCACGMAGTTTYGC |
| DBLaAF-MID-6 | CGTATCGCCTCCCTCGCGCCA | TCAG | ATATCGCGAG | GCACGMAGTTTYGC |
| DBLaAF-MID-7 | CGTATCGCCTCCCTCGCGCCA | TCAG | CGTGTCTCTA | GCACGMAGTTTYGC |
| DBLaAF-MID-8 | CGTATCGCCTCCCTCGCGCCA | TCAG | CTCGCGTGTC | GCACGMAGTTTYGC |
| DBLaAF-MID-10 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCTCTATGCG | GCACGMAGTTTYGC |
| DBLaAF-MID-11 | CGTATCGCCTCCCTCGCGCCA | TCAG | TGATACGTCT | GCACGMAGTTTYGC |
| DBLaAF-MID-13 | CGTATCGCCTCCCTCGCGCCA | TCAG | CATAGTAGTG | GCACGMAGTTTYGC |
| DBLaAF-MID-14 | CGTATCGCCTCCCTCGCGCCA | TCAG | CGAGAGATAC | GCACGMAGTTTYGC |
| DBLaAF-MID-15 | CGTATCGCCTCCCTCGCGCCA | TCAG | ATACGACGTA | GCACGMAGTTTYGC |
| DBLaAF-MID-16 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCACGTACTA | GCACGMAGTTTYGC |
| DBLaAF-MID-18 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCTACGTAGC | GCACGMAGTTTYGC |
| DBLaAF-MID-19 | CGTATCGCCTCCCTCGCGCCA | TCAG | TGTACTACTC | GCACGMAGTTTYGC |
| DBLaAF-MID-20 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACGACTACAG | GCACGMAGTTTYGC |
| DBLaAF-MID-21 | CGTATCGCCTCCCTCGCGCCA | TCAG | CGTAGACTAG | GCACGMAGTTTYGC |
| DBLaAF-MID-22 | CGTATCGCCTCCCTCGCGCCA | TCAG | TACGAGTATG | GCACGMAGTTTYGC |
| DBLaAF-MID-23 | CGTATCGCCTCCCTCGCGCCA | TCAG | TACTCTCGTG | GCACGMAGTTTYGC |
| DBLaAF-MID-24 | CGTATCGCCTCCCTCGCGCCA | TCAG | TAGAGACGAG | GCACGMAGTTTYGC |
| DBLaAF-MID-25 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCGTCGCTCG | GCACGMAGTTTYGC |
| DBLaAF-MID-26 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACATACGCGT | GCACGMAGTTTYGC |
| DBLaAF-MID-27 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACGCGAGTAT | GCACGMAGTTTYGC |

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|---|---|---|---|---|
| DBLaAF-MID-28 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACTACTATGT | GCACGMAGTTTYGC |
| DBLaAF-MID-29 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACTGTACAGT | GCACGMAGTTTYGC |
| DBLaAF-MID-30 | CGTATCGCCTCCCTCGCGCCA | TCAG | AGACTATACT | GCACGMAGTTTYGC |
| DBLaAF-MID-31 | CGTATCGCCTCCCTCGCGCCA | TCAG | AGCGTCGTCT | GCACGMAGTTTYGC |
| DBLaAF-MID-32 | CGTATCGCCTCCCTCGCGCCA | TCAG | AGTACGCTAT | GCACGMAGTTTYGC |
| DBLaAF-MID-33 | CGTATCGCCTCCCTCGCGCCA | TCAG | ATAGAGTACT | GCACGMAGTTTYGC |
| DBLaAF-MID-34 | CGTATCGCCTCCCTCGCGCCA | TCAG | CACGCTACGT | GCACGMAGTTTYGC |
| DBLaAF-MID-35 | CGTATCGCCTCCCTCGCGCCA | TCAG | CAGTAGACGT | GCACGMAGTTTYGC |
| DBLaAF-MID-36 | CGTATCGCCTCCCTCGCGCCA | TCAG | CGACGTGACT | GCACGMAGTTTYGC |
| DBLaAF-MID-37 | CGTATCGCCTCCCTCGCGCCA | TCAG | TACACACACT | GCACGMAGTTTYGC |
| DBLaAF-MID-38 | CGTATCGCCTCCCTCGCGCCA | TCAG | TACACGTGAT | GCACGMAGTTTYGC |
| DBLaAF-MID-39 | CGTATCGCCTCCCTCGCGCCA | TCAG | TACAGATCGT | GCACGMAGTTTYGC |
| DBLaAF-MID-40 | CGTATCGCCTCCCTCGCGCCA | TCAG | TACGCTGTCT | GCACGMAGTTTYGC |
| DBLaAF-MID-41 | CGTATCGCCTCCCTCGCGCCA | TCAG | TAGTGTAGAT | GCACGMAGTTTYGC |
| DBLaAF-MID-42 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCGATCACGT | GCACGMAGTTTYGC |
| DBLaAF-MID-43 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCGCACTAGT | GCACGMAGTTTYGC |
| DBLaAF-MID-44 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCTAGCGACT | GCACGMAGTTTYGC |
| DBLaAF-MID-45 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCTATACTAT | GCACGMAGTTTYGC |
| DBLaAF-MID-46 | CGTATCGCCTCCCTCGCGCCA | TCAG | TGACGTATGT | GCACGMAGTTTYGC |
| DBLaAF-MID-47 | CGTATCGCCTCCCTCGCGCCA | TCAG | TGTGAGTAGT | GCACGMAGTTTYGC |
| DBLaAF-MID-48 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACAGTATATA | GCACGMAGTTTYGC |
| DBLaAF-MID-49 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACGCGATCGA | GCACGMAGTTTYGC |
| DBLaAF-MID-50 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACTAGCAGTA | GCACGMAGTTTYGC |
| DBLaAF-MID-51 | CGTATCGCCTCCCTCGCGCCA | TCAG | AGCTCACGTA | GCACGMAGTTTYGC |
| DBLaAF-MID-53 | CGTATCGCCTCCCTCGCGCCA | TCAG | AGTCGAGAGA | GCACGMAGTTTYGC |
| DBLaAF-MID-54 | CGTATCGCCTCCCTCGCGCCA | TCAG | AGTGCTACGA | GCACGMAGTTTYGC |
| DBLaAF-MID-55 | CGTATCGCCTCCCTCGCGCCA | TCAG | CGATCGTATA | GCACGMAGTTTYGC |
| DBLaAF-MID-56 | CGTATCGCCTCCCTCGCGCCA | TCAG | CGCAGTACGA | GCACGMAGTTTYGC |
| DBLaAF-MID-57 | CGTATCGCCTCCCTCGCGCCA | TCAG | CGCGTATACA | GCACGMAGTTTYGC |
| DBLaAF-MID-58 | CGTATCGCCTCCCTCGCGCCA | TCAG | CGTACAGTCA | GCACGMAGTTTYGC |

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|---|---|---|---|---|
| DBLaAF-MID-59 | CGTATCGCCTCCCTCGCGCCA | TCAG | CGTACTCAGA | GCACGMAGTTTYGC |
| DBLaAF-MID-60 | CGTATCGCCTCCCTCGCGCCA | TCAG | CTACGCTCTA | GCACGMAGTTTYGC |
| DBLaAF-MID-61 | CGTATCGCCTCCCTCGCGCCA | TCAG | CTATAGCGTA | GCACGMAGTTTYGC |
| DBLaAF-MID-62 | CGTATCGCCTCCCTCGCGCCA | TCAG | TACGTCATCA | GCACGMAGTTTYGC |
| DBLaAF-MID-63 | CGTATCGCCTCCCTCGCGCCA | TCAG | TAGTCGCATA | GCACGMAGTTTYGC |
| DBLaAF-MID-64 | CGTATCGCCTCCCTCGCGCCA | TCAG | TATATATACA | GCACGMAGTTTYGC |
| DBLaAF-MID-65 | CGTATCGCCTCCCTCGCGCCA | TCAG | TATGCTAGTA | GCACGMAGTTTYGC |
| DBLaAF-MID-66 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCACGCGAGA | GCACGMAGTTTYGC |
| DBLaAF-MID-67 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCGATAGTGA | GCACGMAGTTTYGC |
| DBLaAF-MID-68 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCGCTGCGTA | GCACGMAGTTTYGC |
| DBLaAF-MID-69 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCTGACGTCA | GCACGMAGTTTYGC |
| DBLaAF-MID-70 | CGTATCGCCTCCCTCGCGCCA | TCAG | TGAGTCAGTA | GCACGMAGTTTYGC |
| DBLaAF-MID-71 | CGTATCGCCTCCCTCGCGCCA | TCAG | TGTAGTGTGA | GCACGMAGTTTYGC |
| DBLaAF-MID-72 | CGTATCGCCTCCCTCGCGCCA | TCAG | TGTCACACGA | GCACGMAGTTTYGC |
| DBLaAF-MID-73 | CGTATCGCCTCCCTCGCGCCA | TCAG | TGTCGTCGCA | GCACGMAGTTTYGC |
| DBLaAF-MID-74 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACACATACGC | GCACGMAGTTTYGC |
| DBLaAF-MID-75 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACAGTCGTGC | GCACGMAGTTTYGC |
| DBLaAF-MID-76 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACATGACGAC | GCACGMAGTTTYGC |
| DBLaAF-MID-77 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACGACAGCTC | GCACGMAGTTTYGC |
| DBLaAF-MID-78 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACGTCTCATC | GCACGMAGTTTYGC |
| DBLaAF-MID-79 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACTCATCTAC | GCACGMAGTTTYGC |
| DBLaAF-MID-80 | CGTATCGCCTCCCTCGCGCCA | TCAG | ACTCGCGCAC | GCACGMAGTTTYGC |
| DBLaAF-MID-81 | CGTATCGCCTCCCTCGCGCCA | TCAG | AGAGCGTCAC | GCACGMAGTTTYGC |
| DBLaAF-MID-82 | CGTATCGCCTCCCTCGCGCCA | TCAG | AGCGACTAGC | GCACGMAGTTTYGC |
| DBLaAF-MID-83 | CGTATCGCCTCCCTCGCGCCA | TCAG | AGTAGTGATC | GCACGMAGTTTYGC |
| DBLaAF-MID-84 | CGTATCGCCTCCCTCGCGCCA | TCAG | AGTGACACAC | GCACGMAGTTTYGC |
| DBLaAF-MID-85 | CGTATCGCCTCCCTCGCGCCA | TCAG | AGTGTATGTC | GCACGMAGTTTYGC |
| DBLaAF-MID-86 | CGTATCGCCTCCCTCGCGCCA | TCAG | ATAGATAGAC | GCACGMAGTTTYGC |
| DBLaAF-MID-87 | CGTATCGCCTCCCTCGCGCCA | TCAG | ATATAGTCGC | GCACGMAGTTTYGC |
| DBLaAF-MID-88 | CGTATCGCCTCCCTCGCGCCA | TCAG | ATCTACTGAC | GCACGMAGTTTYGC |

| | | | | |
|---|---|---|---|---|
| DBLaAF-MID-89 | CGTATCGCCTCCCTCGCGCCA | TCAG | CACGTAGATC | GCACGMAGTTTYGC |
| DBLaAF-MID-90 | CGTATCGCCTCCCTCGCGCCA | TCAG | CACGTGTCGC | GCACGMAGTTTYGC |
| DBLaAF-MID-91 | CGTATCGCCTCCCTCGCGCCA | TCAG | CATACTCTAC | GCACGMAGTTTYGC |
| DBLaAF-MID-92 | CGTATCGCCTCCCTCGCGCCA | TCAG | CGACACTATC | GCACGMAGTTTYGC |
| DBLaAF-MID-93 | CGTATCGCCTCCCTCGCGCCA | TCAG | CGAGACGCGC | GCACGMAGTTTYGC |
| DBLaAF-MID-94 | CGTATCGCCTCCCTCGCGCCA | TCAG | CGTATGCGAC | GCACGMAGTTTYGC |
| DBLaAF-MID-95 | CGTATCGCCTCCCTCGCGCCA | TCAG | CGTCGATCTC | GCACGMAGTTTYGC |
| DBLaAF-MID-96 | CGTATCGCCTCCCTCGCGCCA | TCAG | CTACGACTGC | GCACGMAGTTTYGC |
| DBLaAF-MID-97 | CGTATCGCCTCCCTCGCGCCA | TCAG | CTAGTCACTC | GCACGMAGTTTYGC |
| DBLaAF-MID-98 | CGTATCGCCTCCCTCGCGCCA | TCAG | CTCTACGCTC | GCACGMAGTTTYGC |
| DBLaAF-MID-99 | CGTATCGCCTCCCTCGCGCCA | TCAG | CTGTACATAC | GCACGMAGTTTYGC |
| DBLaAF-MID-100 | CGTATCGCCTCCCTCGCGCCA | TCAG | TAGACTGCAC | GCACGMAGTTTYGC |
| DBLaAF-MID-101 | CGTATCGCCTCCCTCGCGCCA | TCAG | TAGCGCGCGC | GCACGMAGTTTYGC |
| DBLaAF-MID-102 | CGTATCGCCTCCCTCGCGCCA | TCAG | TAGCTCTATC | GCACGMAGTTTYGC |
| DBLaAF-MID-103 | CGTATCGCCTCCCTCGCGCCA | TCAG | TATAGACATC | GCACGMAGTTTYGC |
| DBLaAF-MID-104 | CGTATCGCCTCCCTCGCGCCA | TCAG | TATGATACGC | GCACGMAGTTTYGC |
| DBLaAF-MID-105 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCACTCATAC | GCACGMAGTTTYGC |
| DBLaAF-MID-106 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCATCGAGTC | GCACGMAGTTTYGC |
| DBLaAF-MID-107 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCGAGCTCTC | GCACGMAGTTTYGC |
| DBLaAF-MID-108 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCGCAGACAC | GCACGMAGTTTYGC |
| DBLaAF-MID-109 | CGTATCGCCTCCCTCGCGCCA | TCAG | TCTGTCTCGC | GCACGMAGTTTYGC |
| DBLaAF-MID-110 | CGTATCGCCTCCCTCGCGCCA | TCAG | TGAGTGACGC | GCACGMAGTTTYGC |

**Appendix 1-table 2** List of the 106 DBLαBR reverse primer sequences. The GS FLX Titanium primer sequence (i.e., Adaptor) is represented in red (5'-CTATGCGCCTTGCCAGCCCGC-3'), the key in blue (5'-TCAG-3'), the unique 10 bp multiplex identifier in black (5'-MID-'3), and the reverse primer sequence in green (DBLαBR, 5'-GCCCATTCSTCGAACCA-3').

| Reverse Primer Sequence (5' -> 3'): Adaptor + Key + MID + DBLαBR reverse primer | | | | |
|---|---|---|---|---|
| Primer name | Adaptor | Key | MID | Primer |
| DBLaBR-MID-1 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACGAGTGCGT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-2 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACGCTCGACA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-3 | CTATGCGCCTTGCCAGCCCGC | TCAG | AGACGCACTC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-4 | CTATGCGCCTTGCCAGCCCGC | TCAG | AGCACTGTAG | GCCCATTCSTCGAACCA |
| DBLaBR-MID-5 | CTATGCGCCTTGCCAGCCCGC | TCAG | ATCAGACACG | GCCCATTCSTCGAACCA |
| DBLaBR-MID-6 | CTATGCGCCTTGCCAGCCCGC | TCAG | ATATCGCGAG | GCCCATTCSTCGAACCA |
| DBLaBR-MID-7 | CTATGCGCCTTGCCAGCCCGC | TCAG | CGTGTCTCTA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-8 | CTATGCGCCTTGCCAGCCCGC | TCAG | CTCGCGTGTC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-10 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCTCTATGCG | GCCCATTCSTCGAACCA |
| DBLaBR-MID-11 | CTATGCGCCTTGCCAGCCCGC | TCAG | TGATACGTCT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-13 | CTATGCGCCTTGCCAGCCCGC | TCAG | CATAGTAGTG | GCCCATTCSTCGAACCA |
| DBLaBR-MID-14 | CTATGCGCCTTGCCAGCCCGC | TCAG | CGAGAGATAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-15 | CTATGCGCCTTGCCAGCCCGC | TCAG | ATACGACGTA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-16 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCACGTACTA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-18 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCTACGTAGC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-19 | CTATGCGCCTTGCCAGCCCGC | TCAG | TGTACTACTC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-20 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACGACTACAG | GCCCATTCSTCGAACCA |
| DBLaBR-MID-21 | CTATGCGCCTTGCCAGCCCGC | TCAG | CGTAGACTAG | GCCCATTCSTCGAACCA |
| DBLaBR-MID-22 | CTATGCGCCTTGCCAGCCCGC | TCAG | TACGAGTATG | GCCCATTCSTCGAACCA |
| DBLaBR-MID-23 | CTATGCGCCTTGCCAGCCCGC | TCAG | TACTCTCGTG | GCCCATTCSTCGAACCA |
| DBLaBR-MID-24 | CTATGCGCCTTGCCAGCCCGC | TCAG | TAGAGACGAG | GCCCATTCSTCGAACCA |
| DBLaBR-MID-25 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCGTCGCTCG | GCCCATTCSTCGAACCA |
| DBLaBR-MID-26 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACATACGCGT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-27 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACGCGAGTAT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-28 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACTACTATGT | GCCCATTCSTCGAACCA |

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|---|---|---|---|---|
| DBLaBR-MID-29 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACTGTACAGT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-30 | CTATGCGCCTTGCCAGCCCGC | TCAG | AGACTATACT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-31 | CTATGCGCCTTGCCAGCCCGC | TCAG | AGCGTCGTCT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-32 | CTATGCGCCTTGCCAGCCCGC | TCAG | AGTACGCTAT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-33 | CTATGCGCCTTGCCAGCCCGC | TCAG | ATAGAGTACT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-34 | CTATGCGCCTTGCCAGCCCGC | TCAG | CACGCTACGT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-35 | CTATGCGCCTTGCCAGCCCGC | TCAG | CAGTAGACGT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-36 | CTATGCGCCTTGCCAGCCCGC | TCAG | CGACGTGACT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-37 | CTATGCGCCTTGCCAGCCCGC | TCAG | TACACACACT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-38 | CTATGCGCCTTGCCAGCCCGC | TCAG | TACACGTGAT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-39 | CTATGCGCCTTGCCAGCCCGC | TCAG | TACAGATCGT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-40 | CTATGCGCCTTGCCAGCCCGC | TCAG | TACGCTGTCT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-41 | CTATGCGCCTTGCCAGCCCGC | TCAG | TAGTGTAGAT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-42 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCGATCACGT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-43 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCGCACTAGT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-44 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCTAGCGACT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-45 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCTATACTAT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-46 | CTATGCGCCTTGCCAGCCCGC | TCAG | TGACGTATGT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-47 | CTATGCGCCTTGCCAGCCCGC | TCAG | TGTGAGTAGT | GCCCATTCSTCGAACCA |
| DBLaBR-MID-48 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACAGTATATA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-49 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACGCGATCGA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-50 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACTAGCAGTA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-51 | CTATGCGCCTTGCCAGCCCGC | TCAG | AGCTCACGTA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-53 | CTATGCGCCTTGCCAGCCCGC | TCAG | AGTCGAGAGA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-54 | CTATGCGCCTTGCCAGCCCGC | TCAG | AGTGCTACGA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-55 | CTATGCGCCTTGCCAGCCCGC | TCAG | CGATCGTATA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-56 | CTATGCGCCTTGCCAGCCCGC | TCAG | CGCAGTACGA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-57 | CTATGCGCCTTGCCAGCCCGC | TCAG | CGCGTATACA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-58 | CTATGCGCCTTGCCAGCCCGC | TCAG | CGTACAGTCA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-59 | CTATGCGCCTTGCCAGCCCGC | TCAG | CGTACTCAGA | GCCCATTCSTCGAACCA |

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|---|---|---|---|---|
| DBLaBR-MID-60 | CTATGCGCCTTGCCAGCCCGC | TCAG | CTACGCTCTA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-61 | CTATGCGCCTTGCCAGCCCGC | TCAG | CTATAGCGTA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-62 | CTATGCGCCTTGCCAGCCCGC | TCAG | TACGTCATCA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-63 | CTATGCGCCTTGCCAGCCCGC | TCAG | TAGTCGCATA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-64 | CTATGCGCCTTGCCAGCCCGC | TCAG | TATATATACA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-65 | CTATGCGCCTTGCCAGCCCGC | TCAG | TATGCTAGTA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-66 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCACGCGAGA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-67 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCGATAGTGA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-68 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCGCTGCGTA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-69 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCTGACGTCA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-70 | CTATGCGCCTTGCCAGCCCGC | TCAG | TGAGTCAGTA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-71 | CTATGCGCCTTGCCAGCCCGC | TCAG | TGTAGTGTGA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-72 | CTATGCGCCTTGCCAGCCCGC | TCAG | TGTCACACGA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-73 | CTATGCGCCTTGCCAGCCCGC | TCAG | TGTCGTCGCA | GCCCATTCSTCGAACCA |
| DBLaBR-MID-74 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACACATACGC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-75 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACAGTCGTGC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-76 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACATGACGAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-77 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACGACAGCTC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-78 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACGTCTCATC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-79 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACTCATCTAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-80 | CTATGCGCCTTGCCAGCCCGC | TCAG | ACTCGCGCAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-81 | CTATGCGCCTTGCCAGCCCGC | TCAG | AGAGCGTCAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-82 | CTATGCGCCTTGCCAGCCCGC | TCAG | AGCGACTAGC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-83 | CTATGCGCCTTGCCAGCCCGC | TCAG | AGTAGTGATC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-84 | CTATGCGCCTTGCCAGCCCGC | TCAG | AGTGACACAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-85 | CTATGCGCCTTGCCAGCCCGC | TCAG | AGTGTATGTC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-86 | CTATGCGCCTTGCCAGCCCGC | TCAG | ATAGATAGAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-87 | CTATGCGCCTTGCCAGCCCGC | TCAG | ATATAGTCGC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-88 | CTATGCGCCTTGCCAGCCCGC | TCAG | ATCTACTGAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-89 | CTATGCGCCTTGCCAGCCCGC | TCAG | CACGTAGATC | GCCCATTCSTCGAACCA |

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| DBLaBR-MID-90 | CTATGCGCCTTGCCAGCCCGC | TCAG | CACGTGTCGC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-91 | CTATGCGCCTTGCCAGCCCGC | TCAG | CATACTCTAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-92 | CTATGCGCCTTGCCAGCCCGC | TCAG | CGACACTATC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-93 | CTATGCGCCTTGCCAGCCCGC | TCAG | CGAGACGCGC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-94 | CTATGCGCCTTGCCAGCCCGC | TCAG | CGTATGCGAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-95 | CTATGCGCCTTGCCAGCCCGC | TCAG | CGTCGATCTC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-96 | CTATGCGCCTTGCCAGCCCGC | TCAG | CTACGACTGC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-97 | CTATGCGCCTTGCCAGCCCGC | TCAG | CTAGTCACTC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-98 | CTATGCGCCTTGCCAGCCCGC | TCAG | CTCTACGCTC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-99 | CTATGCGCCTTGCCAGCCCGC | TCAG | CTGTACATAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-100 | CTATGCGCCTTGCCAGCCCGC | TCAG | TAGACTGCAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-101 | CTATGCGCCTTGCCAGCCCGC | TCAG | TAGCGCGCGC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-102 | CTATGCGCCTTGCCAGCCCGC | TCAG | TAGCTCTATC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-103 | CTATGCGCCTTGCCAGCCCGC | TCAG | TATAGACATC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-104 | CTATGCGCCTTGCCAGCCCGC | TCAG | TATGATACGC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-105 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCACTCATAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-106 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCATCGAGTC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-107 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCGAGCTCTC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-108 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCGCAGACAC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-109 | CTATGCGCCTTGCCAGCCCGC | TCAG | TCTGTCTCGC | GCCCATTCSTCGAACCA |
| DBLaBR-MID-110 | CTATGCGCCTTGCCAGCCCGC | TCAG | TGAGTGACGC | GCCCATTCSTCGAACCA |