|  |
| --- |
| On Target Sequence |
| GTCTGGGCGGTGCTACAACT |

|  |
| --- |
| Off Target Sequences |
| AACGGGGCGGTACTACAACT |
| GTCTGGTGGTGCTACAACT |
| ACCTGGACGGTGATACAACC |

**S2 Table.** **The PD1 on target and three off target sequences contained within each selection plasmid used during the initial directed evolution experiments.**