Start actually chosen is depicted in red. Parentheses around “yes” for whether it covers all coding potential, means that it’s definitely covered in Genemark-host, but there’s a little bit of low amplitude coding potential that would be cut off using Genemark-self.

Tarzan start options:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Start Coordinate | Covers all CP? | RBS Z-value | RBS final | Gap | Start Codon |
| 25670 | Yes | 1.922 | -5.992 | 4bp overlap | GTG |
| 25661 | Yes | 1.922 | -5.849 | 6 | ATG |
| 25550 | Yes | 1.565 | -5.801 | 117 | GTG |
| 25523 | Yes | 0.852 | -7.618 | 144 | ATG |
| 25487 | (Yes) | 2.467 | -3.909 | 180 | TTG |
| 25436 | No | 2.276 | -4.293 | 231 | TTG |

Reyja start options:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Start Coordinate | Covers all CP? | RBS Z-value | RBS final | Gap | Start Codon |
| 26140 | Yes | 1.926 | -5.992 | 4bp overlap | GTG |
| 26131 | Yes | 1.926 | -5.849 | 6 | ATG |
| 26020 | Yes | 1.568 | -5.801 | 117 | GTG |
| 25993 | Yes | 0.854 | -7.618 | 144 | ATG |
| 25957 | Yes | 2.471 | -3.909 | 180 | TTG |
| 25906 | (Yes) | 2.280 | -4.293 | 231 | TTG |

Jojo24 start options:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Start Coordinate | Covers all CP? | RBS Z-value | RBS final | Gap | Start Codon |
| 25785 | Yes | 0.520 | -7.760 | 8bp overlap | TTG |
| 25776 | Yes | 1.924 | -5.004 | 2 | GTG |
| 25770 | Yes | 2.813 | -3.987 | 8 | TTG |
| 25659 | (Yes) | 1.567 | -5.801 | 119 | GTG |
| 25632 | (Yes) | 1.590 | -5.693 | 146 | ATG |
| 25596 | (Yes) | 2.470 | -3.909 | 182 | TTG |

Santhid start options:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Start Coordinate | Covers all CP? | RBS Z-value | RBS final | Gap | Start Codon |
| 24504 | Yes | 0.519 | -7.760 | 8bp overlap | TTG |
| 24495 | Yes | 1.922 | -5.004 | 2 | GTG |
| 24489 | (Yes) | 2.810 | -3.987 | 8 | TTG |
| 24378 | (Yes) | 1.565 | -5.801 | 119 | GTG |
| 24351 | (Yes) | 1.588 | -5.693 | 146 | ATG |
| 24315 | (Yes) | 2.467 | -3.909 | 182 | TTG |