

BLASTN 2.10.1+: Matrix: blastn matrix 1 -3,
Gap Penalties: Existence: 5, Extension: 2

Database: final_high_quality_krx_assembly.fasta
1 sequences; 4,491,350 total letters

Query= TerAF

Length=24

>contig_2_pilon
Length=4491350

Score = 48.1 bits (24), Expect = 2e-07
Identities = 24/24 (100%), Gaps = 0/24 (0%)
Strand=Plus/Plus

```
Query 1          CAACCATTAAACCGATTTCGCGGTC 24
                |||
Sbjct 1619469    CAACCATTAAACCGATTTCGCGGTC 1619492
```

Query= TerAR

Length=20

>contig_2_pilon
Length=4491350

Score = 40.1 bits (20), Expect = 3e-05
Identities = 20/20 (100%), Gaps = 0/20 (0%)
Strand=Plus/Minus

```
Query 1          AGTTGCGATTTCTCCCTGG 20
                |||
Sbjct 1619613    AGTTGCGATTTCTCCCTGG 1619594
```

Query= TerBF

Length=22

>contig_2_pilon
Length=4491350

Score = 44.1 bits (22), Expect = 2e-06
Identities = 22/22 (100%), Gaps = 0/22 (0%)
Strand=Plus/Plus

```
Query 1          TTACCTCTGCCTGACACTACGC 22
                |||
Sbjct 1962934    TTACCTCTGCCTGACACTACGC 1962955
```

Query= TerBR

Length=23

>contig_2_pilon
Length=4491350

Score = 46.1 bits (23), Expect = 6e-07
Identities = 23/23 (100%), Gaps = 0/23 (0%)
Strand=Plus/Minus

```
Query 1          TGTGAGTCGGTCTACGAGATCG 23
                |||
Sbjct 1963056    TGTGAGTCGGTCTACGAGATCG 1963034
```

Query= TerCF

>contig_2_pilon
Length=4491350

Score = 46.1 bits (23), Expect = 6e-07
Identities = 23/23 (100%), Gaps = 0/23 (0%)
Strand=Plus/Plus

Query 1 CTGCATGTGGCACCTGTTAATGA 23
|||||
Sbjct 1887884 CTGCATGTGGCACCTGTTAATGA 1887906

Query= TerCR

Length=20

>contig_2_pilon
Length=4491350

Score = 40.1 bits (20), Expect = 3e-05
Identities = 20/20 (100%), Gaps = 0/20 (0%)
Strand=Plus/Minus

Query 1 GCTGTACGTCCGTTGTGCTA 20
|||||
Sbjct 1888006 GCTGTACGTCCGTTGTGCTA 1887987

Query= TerDF

Length=25

>contig_2_pilon
Length=4491350

Score = 50.1 bits (25), Expect = 5e-08
Identities = 25/25 (100%), Gaps = 0/25 (0%)
Strand=Plus/Plus

Query 1 GGCATGATGTCGCGCtttttttATG 25
|||||
Sbjct 1558486 GGCATGATGTCGCGCTTTTTTTATG 1558510

Query= TerDR

Length=25

>contig_2_pilon
Length=4491350

Score = 50.1 bits (25), Expect = 5e-08
Identities = 25/25 (100%), Gaps = 0/25 (0%)
Strand=Plus/Minus

Query 1 GGGTATTAAGGAGTATTCCCCATGG 25
|||||
Sbjct 1558610 GGGTATTAAGGAGTATTCCCCATGG 1558586

Query= TerEF

Length=20

>contig_2_pilon

Length=4491350

Score = 40.1 bits (20), Expect = 3e-05
Identities = 20/20 (100%), Gaps = 0/20 (0%)
Strand=Plus/Plus

```
Query 1      GAAGTCGCCGTCTGGTTTAT 20
          |||
Sbjct 1377410 GAAGTCGCCGTCTGGTTTAT 1377429
```

Query= TerER

Length=20

>contig_2_pilon
Length=4491350

Score = 40.1 bits (20), Expect = 3e-05
Identities = 20/20 (100%), Gaps = 0/20 (0%)
Strand=Plus/Minus

```
Query 1      TACGGCGGAAGTTAATGGTC 20
          |||
Sbjct 1377581 TACGGCGGAAGTTAATGGTC 1377562
```

Query= TerFF

Length=21

>contig_2_pilon
Length=4491350

Score = 42.1 bits (21), Expect = 8e-06
Identities = 21/21 (100%), Gaps = 0/21 (0%)
Strand=Plus/Plus

```
Query 1      CACATCTTCGGGAGTCGGTTC 21
          |||
Sbjct 2596624 CACATCTTCGGGAGTCGGTTC 2596644
```

Query= TerFR

Length=22

>contig_2_pilon
Length=4491350

Score = 44.1 bits (22), Expect = 2e-06
Identities = 22/22 (100%), Gaps = 0/22 (0%)
Strand=Plus/Minus

```
Query 1      GGTGAGTGGTAAACGCTGCTG 22
          |||
Sbjct 2596754 GGTGAGTGGTAAACGCTGCTG 2596733
```

Query= TerGF

Length=20

>contig_2_pilon
Length=4491350

Score = 40.1 bits (20), Expect = 3e-05
Identities = 20/20 (100%), Gaps = 0/20 (0%)

Strand=Plus/Plus

```
Query 1      CCAAGCGAGTACCCCACCAG  20
            |||
Sbjct 2656294 CCAAGCGAGTACCCCACCAG 2656313
```

Query= TerGR

Length=23

>contig_2_pilon
Length=4491350

Score = 46.1 bits (23), Expect = 6e-07
Identities = 23/23 (100%), Gaps = 0/23 (0%)
Strand=Plus/Minus

```
Query 1      CACGGTTGTATGTTGATCTCCCA  23
            |||
Sbjct 2656435 CACGGTTGTATGTTGATCTCCCA 2656413
```

Query= TerHF

Length=24

>contig_2_pilon
Length=4491350

Score = 48.1 bits (24), Expect = 2e-07
Identities = 24/24 (100%), Gaps = 0/24 (0%)
Strand=Plus/Plus

```
Query 1      TGAAGGACAAACTGGAAACGCTGA  24
            |||
Sbjct 895054  TGAAGGACAAACTGGAAACGCTGA 895077
```

Query= TerHR

Length=20

>contig_2_pilon
Length=4491350

Score = 40.1 bits (20), Expect = 3e-05
Identities = 20/20 (100%), Gaps = 0/20 (0%)
Strand=Plus/Minus

```
Query 1      CAGACTACCGCCACCACAAT  20
            |||
Sbjct 895201  CAGACTACCGCCACCACAAT 895182
```

Query= TerIF

Length=22

>contig_2_pilon
Length=4491350

Score = 44.1 bits (22), Expect = 2e-06
Identities = 22/22 (100%), Gaps = 0/22 (0%)
Strand=Plus/Plus

```
Query 1      ATTGCTGGAACGGTTGATTGCG  22
            |||
Sbjct 920804  ATTGCTGGAACGGTTGATTGCG 920825
```

Query= TerIR

Length=20
>contig_2_pilon
Length=4491350

Score = 40.1 bits (20), Expect = 3e-05
Identities = 20/20 (100%), Gaps = 0/20 (0%)
Strand=Plus/Minus

Query 1 CTCGCCGTCTTTACGTAGCA 20
|||||
Sbjct 920921 CTCGCCGTCTTTACGTAGCA 920902

Query= TerJF

Length=20
>contig_2_pilon
Length=4491350

Score = 40.1 bits (20), Expect = 3e-05
Identities = 20/20 (100%), Gaps = 0/20 (0%)
Strand=Plus/Plus

Query 1 GACGATACGACGCACCGATG 20
|||||
Sbjct 2849492 GACGATACGACGCACCGATG 2849511

Query= TerJR

Length=22
>contig_2_pilon
Length=4491350

Score = 44.1 bits (22), Expect = 2e-06
Identities = 22/22 (100%), Gaps = 0/22 (0%)
Strand=Plus/Minus

Query 1 CTGGTGATGCCGAACATGGAAG 22
|||||
Sbjct 2849641 CTGGTGATGCCGAACATGGAAG 2849620

Query= OriCF

Length=22
>contig_2_pilon
Length=4491350

Score = 44.1 bits (22), Expect = 2e-06
Identities = 22/22 (100%), Gaps = 0/22 (0%)
Strand=Plus/Plus

Query 1 CGCACTGCCCTGTGGATAACAA 22
|||||
Sbjct 4205199 CGCACTGCCCTGTGGATAACAA 4205220

Query= OriCR

Length=22
>contig_2_pilon
Length=4491350

Score = 44.1 bits (22), Expect = 2e-06
Identities = 22/22 (100%), Gaps = 0/22 (0%)
Strand=Plus/Minus

Query 1 CCCTCATTCTGATCCCAGCTTA 22
|||||
Sbjct 4205313 CCCTCATTCTGATCCCAGCTTA 4205292