```
                                 ((((((((((((.(((((.....((....)))))))..))))).......((((....
chr-LG01.trna587-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUAAAAGUCUUCGGUUCA 58
chr-LG11.trna57-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCAGUUCA 58
chr-LG15.trna71-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCA 58
chr-LG11.trna58-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCAGUUCA 58
chr-LG11.trna59-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCAGUUCA 58
chr-LG03.trna328-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG04.trna171-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG04.trna172-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG15.trna217-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG15.trna73-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG20.trna84-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG04.trna173-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG04.trna174-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG04.trna176-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG14.trna1-Val-AAC      GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG12.trna61-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG12.trna5-Val-AAC      GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG04.trna177-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG05.trna189-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG06.trna24-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG06.trna354-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG10.trna11-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG15.trna69-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUUAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG15.trna72-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUUAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG06.trna11-Val-AAC     GGUAUCGUGGUGUAGUUGGUUAUCACGUUAGUCUAAC--ACACUAAAGGUCUCCAGUUCA 58
chr-LG15.trna218-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG15.trna70-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG18.trna105-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG19.trna113-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG07.trna58-Val-AAC     GUUUGGUGGUGUAGUUGGUUAUCACGUUAGUCUAAC--ACACUAGAGGUCCUCAGUUCG 58
chr-LG01.trna596-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCAUGUCGGUCUAAC--ACACUGAAGGUCUUCAGUUCA 58
chr-LG06.trna355-Val-AAC    GGUGUCGUGGUGUAGUAGGUUAUCAUGUUAGUCUAAC--ACAUUAAAGAUCUCCAGUUCG 58
chr-LG01.trna590-Val-AAC    GGUGUUAUGGUGUAGUUGGUUAUCAUGUCAGUCUAAC--ACACUGAAGGACUCUAGUUCA 58
chr-LG04.trna175-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGCCAAUCUAAC--AUACUGAAGGUCUCCGGUUCG 58
chr-LG01.trna594-Val-AAC    GGUGUCAUGAUGUAGUUGGUUAUCAUGUCAGUCUAAC--ACACAAAAGGUCUCCGGUUCA 58
chr-LG01.trna591-Val-AAC    GGUGUUGUGGUGUAGUUGGUUAUCACGUCAGUUUAAC--ACACUAAAGGUCUUUAGUUCA 58
chr-LG04.trna178-Val-AAC    GUUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACACUGAAGGUCUCCGGUUCG 58
chr-LG11.trna69-Val-AAC     GUCUUGGUGGUGUAGUUGGUUAUCACGCUAGUUUAAC--ACACUAGAGGUCUCCAGUUUA 58
chr-LG07.trna35-Val-AAC     GCCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUAAC--ACACUAGUGGUCUCCAAUUCG 58
chr-LG09.trna297-Val-AAC    GGCUUAUUAGUUAAGUUGGUAAGAACAUCGUGCUAACAAAACACGAAUGUCUCAGGUUUG 60
chr-LG01.trna528-Val-AAC    GGCUUAUUAGCUAAGUUGGUUAGAACAUCGUGCUAACAAAACACGAAUGUCUCAAGUUUG 60
chr-LG01.trna588-Val-AAC    G---UUGUGGUGUAGUUGGUUAUCACGUCAGUCUAAC--ACAUUGAAGGUUUCCCGUUCA 55
chr-LG10.trna148-Val-AAC    GGGGGUGUAGUUCAGAUGGU-AGAGCGCUCGCUUAAC--AUAUGAGAGGUACGGGGAUUG 57
chr-LG16.trna181-Val-AAC    GCUUGAAUAGCUUAGUUGGUAAGAGUGUGGACAUUA---AC-CAUAAGGUUGGAGGUCCA 56
chr-LG16.trna179-Val-AAC    GCUUGAAUAGCUUAGUUGGUAAGAGUGUGGACAUUA---AC-CAUAAGGUUGGAGGUCCA 56
chr-LG16.trna180-Val-AAC    GCUUGAAUAGCUUAGUUGGUAAGAGUGUGGACAUUA---AC-CAUAAGGUUGGAGGUCCA 56
                            .........10........20........30........40........50.........

                            ...)))))))))))).
chr-LG01.trna587-Val-AAC    AGUCUGGGCGAUGCUA 74
chr-LG11.trna57-Val-AAC     AGUCUGGGCGACGCCA 74
chr-LG15.trna71-Val-AAC     AGUCCGGGCGACGCCA 74
chr-LG11.trna58-Val-AAC     AGUCUGGGCGACGCCA 74
chr-LG11.trna59-Val-AAC     AGUCUGGGCGACGCCA 74
chr-LG03.trna328-Val-AAC    AGUCCGGGCGACGCCA 74
chr-LG04.trna171-Val-AAC    AGUCCGGGCGACGCCA 74
chr-LG04.trna172-Val-AAC    AGUCCGGGCGACGCCA 74
chr-LG15.trna217-Val-AAC    AGUCCGGGCGACGCCA 74
chr-LG15.trna73-Val-AAC     AGUCCGGGCGACGCCA 74
chr-LG20.trna84-Val-AAC     AGUCCGGGCGACGCCA 74
chr-LG04.trna173-Val-AAC    AGUCCGGGCGACGCCA 74
chr-LG04.trna174-Val-AAC    AGUCCGGGCGACGCCA 74
chr-LG04.trna176-Val-AAC    AGUCCGGGCGACGCCA 74
chr-LG14.trna1-Val-AAC      AGUCCGGGCGACGCCA 74
chr-LG12.trna61-Val-AAC     AGUCCGGGCGAAGCCA 74
chr-LG12.trna5-Val-AAC      AGUCCGGGCGACGCCA 74
chr-LG04.trna177-Val-AAC    AGUCCGGGCGACGCCA 74
chr-LG05.trna189-Val-AAC    AGUCCGGGCGACGCCA 74
chr-LG06.trna24-Val-AAC     AGUCCGGGCGACGCCA 74
chr-LG06.trna354-Val-AAC    AGUCCGGGCGACGCCA 74
chr-LG10.trna11-Val-AAC     AGUCCGGGCGACGCCA 74
chr-LG15.trna69-Val-AAC     AGUCCGGGCGACGCCA 74
chr-LG15.trna72-Val-AAC     AGUCCGGGCGACGCCA 74
chr-LG06.trna11-Val-AAC     AGUUUGGGCGAUGCCA 74
chr-LG15.trna218-Val-AAC    AACCCGGGCGACGCCA 74
chr-LG15.trna70-Val-AAC     AAUCCGGGCGACGCCA 74
chr-LG18.trna105-Val-AAC    AAUCCGGGCGACGCCA 74
chr-LG19.trna113-Val-AAC    AAUCCGGGCGACGCCA 74
chr-LG07.trna58-Val-AAC     AACCUGGGCUCAGACA 74
chr-LG01.trna596-Val-AAC    AGUUUGAGCGACACCA 74
chr-LG06.trna355-Val-AAC    AGUUUGGGCGACGCCA 74
chr-LG01.trna590-Val-AAC    AAUCUGGGCGACGCCA 74
chr-LG04.trna175-Val-AAC    AAUCCGUACGACGCCA 74
chr-LG01.trna594-Val-AAC    AGUUUGGGUGAUGCCA 74
chr-LG01.trna591-Val-AAC    AGUUUGAGCGAUGCUA 74
chr-LG04.trna178-Val-AAC    AACCCGGGCGACGCCU 74
chr-LG11.trna69-Val-AAC     AACCUGGGCUUAGACA 74
chr-LG07.trna35-Val-AAC     UACUUGGGUUCAGACA 74
chr-LG09.trna297-Val-AAC    AUACUUGCAUGAGUCA 76
chr-LG01.trna528-Val-AAC    AUACUUGCAUGAGUCA 76
chr-LG01.trna588-Val-AAC    AGUCUCAGUGGAUCCA 71
chr-LG10.trna148-Val-AAC    AUACCUUGCAUCUCCA 73
chr-LG16.trna181-Val-AAC    AGUCCUCCUUCUAGUG 72
chr-LG16.trna179-Val-AAC    AGUCCUCCUUCUAGUG 72
chr-LG16.trna180-Val-AAC    AGUCCUCCUUCUAGUG 72
                            .........70.....
```