```
                                 ((((((((((.(......).)))).(((((((.......)))))))..))))))(.....
chr-B07.trna123-Lys-TTT    GCCGUUUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B07.trna67-Lys-TTT     GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B07.trna107-Lys-TTT    GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-A07.trna4-Lys-TTT      GCUGUCUUAGCUCAG-UGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B10.trna7-Lys-TTT      GCCGUCUUAGCUCAG-CGGUAGAGCGCGUGGUUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-A01.trna46-Lys-TTT     GCCGUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-A02.trna5-Lys-TTT      GCCGUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-A04.trna4-Lys-TTT      GCCGUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-A04.trna30-Lys-TTT     GCCGUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-A05.trna2-Lys-TTT      GCCGUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B06.trna164-Lys-TTT    GCCGUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B03.trna81-Lys-TTT     GCCGUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B07.trna9-Lys-TTT      GCCGUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B01.trna81-Lys-TTT     GCCGUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B01.trna82-Lys-TTT     GCCGUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B01.trna83-Lys-TTT     GCCAUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B04.trna86-Lys-TTT     GCCGUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B02.trna64-Lys-TTT     GCCGUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B03.trna140-Lys-TTT    GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B02.trna154-Lys-TTT    GCCAUCUUAGCUCAG-CGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-B07.trna58-Lys-TTT     GCCAUCUUAGCUCAG-UGGUAGAGCGUGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 58
chr-A07.trna42-Lys-TTT     ACUGUCUUAGCACAGACGGCAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 59
chr-B03.trna172-Lys-TTT    GGGUGUAUAGCUCAGUUGGUAGAGCAUUGGGCUUUUAACCUAAUG-GUCGCAGGUUCAAG 59
chr-B09.trna67-Lys-TTT     GGGUGUAUAGCUCAGUUGGUAGAGCAUUGGGCUUUUAACCUAAUG-GUCGCAGGUUCAAG 59
chr-B06.trna94-Lys-CTT     GCCCGUCUAGCUCAGUUGGUAGAGCGUAAGGCUCUUAACCUUGUG-GUUGUGGGUUCGAG 59
chr-B03.trna182-Lys-CTT    GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-A01.trna88-Lys-CTT     GCCCGUCUAGCUCAGUAGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B01.trna137-Lys-CTT    GCCCGUCUAGCUCAGUAGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-A01.trna27-Lys-CTT     GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-A05.trna21-Lys-CTT     GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B09.trna152-Lys-CTT    GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B02.trna85-Lys-CTT     GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B05.trna60-Lys-CTT     GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B02.trna89-Lys-CTT     GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-A05.trna8-Lys-CTT      GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUG-AUCGUGGGUUCGAG 59
chr-A04.trna46-Lys-CTT     GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-A05.trna42-Lys-CTT     GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B10.trna14-Lys-CTT     GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-A06.trna30-Lys-CTT     GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-A07.trna41-Lys-CTT     GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-A08.trna10-Lys-CTT     GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B09.trna5-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B02.trna110-Lys-CTT    GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B03.trna4-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B03.trna109-Lys-CTT    GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B04.trna63-Lys-CTT     GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B04.trna99-Lys-CTT     GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B06.trna6-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B07.trna7-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B07.trna8-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-B07.trna65-Lys-CTT     GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-A06.trna28-Lys-CTT     GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCGAG 59
chr-A01.trna95-Lys-TTT     GCCGUCUUAGCUCAGCUGGUAGAGCGCGUGGCUUUUAACCACGUG-GUCGUGGGUUCGAU 59
chr-B03.trna5-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUCGUGGGUUCAAG 59
chr-A08.trna33-Lys-CTT     GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUGAGUCGUGGGUUCGAG 60
chr-A05.trna38-Lys-CTT     GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUG-GUUGUGGGUUUGAG 59
chr-B07.trna24-Lys-TTT     GUCGUUGUCGUCCAGCGAUUAGGAUAUCUGGCUUUUACUUAGGAG--ACCUGGAUUCGAU 58
                           .........10........20........30........40........50.........
                                    ((((((((((((.
chr-B07.trna123-Lys-TTT    CCCCACAGACAGCG 72
chr-B07.trna67-Lys-TTT     CCCCACAGACGGCG 72
chr-B07.trna107-Lys-TTT    CCCCACAGACGGCG 72
chr-A07.trna4-Lys-TTT      CCCCACAGACGGCG 72
chr-B10.trna7-Lys-TTT      CCCCACAGACGGCG 72
chr-A01.trna46-Lys-TTT     CCCCACAGACGGCG 72
chr-A02.trna5-Lys-TTT      CCCCACAGACGGCG 72
chr-A04.trna4-Lys-TTT      CCCCACAGAUGGCG 72
chr-A04.trna30-Lys-TTT     CCCCACAGACGGCG 72
chr-A05.trna2-Lys-TTT      CCCCACAGACGGCG 72
chr-B06.trna164-Lys-TTT    CCCCACAGACGGCG 72
chr-B03.trna81-Lys-TTT     CCCCACAGACGGCG 72
chr-B07.trna9-Lys-TTT      CCCCACAGACGGCG 72
chr-B01.trna81-Lys-TTT     CCCCACAGACGGCG 72
chr-B01.trna82-Lys-TTT     CCCCACAGACGGCG 72
chr-B01.trna83-Lys-TTT     CCCCACAGAUGGCG 72
chr-B04.trna86-Lys-TTT     CCCCACAGACGGCG 72
chr-B02.trna64-Lys-TTT     CCCCACAGACGGCG 72
chr-B03.trna140-Lys-TTT    CCCCACAGACAGCG 72
chr-B02.trna154-Lys-TTT    CCCCACUGACGGCG 72
chr-B07.trna58-Lys-TTT     CCCCACAGACGGCG 72
chr-A07.trna42-Lys-TTT     CUCCACAGACGGCA 73
chr-B03.trna172-Lys-TTT    UCCUGCUAUACCCA 73
chr-B09.trna67-Lys-TTT     UCCUGCUAUACCUA 73
chr-B06.trna94-Lys-CTT     CUCCACGGUGGGCG 73
chr-B03.trna182-Lys-CTT    CCCCACGGUCGGCG 73
chr-A01.trna88-Lys-CTT     CCCCACGGUGGGCG 73
chr-B01.trna137-Lys-CTT    CCCCACGGUGGGCG 73
chr-A01.trna27-Lys-CTT     CCCCACGGUGGGCG 73
chr-A05.trna21-Lys-CTT     CCCCACGGUGGGCG 73
chr-B09.trna152-Lys-CTT    CCCCACGGUGGGCG 73
chr-B02.trna85-Lys-CTT     CCCCACGGUGGGCG 73
chr-B05.trna60-Lys-CTT     CCCCACGGUGGGCG 73
chr-B02.trna89-Lys-CTT     CCCCACGGUGGGCG 73
chr-A05.trna8-Lys-CTT      CCCCACGGUGGGCG 73
chr-A04.trna46-Lys-CTT     CCCCACGGUGGGCG 73
chr-A05.trna42-Lys-CTT     CCCCACGGUGGGCG 73
chr-B10.trna14-Lys-CTT     CCCCACGGUGGGCG 73
chr-A06.trna30-Lys-CTT     CCCCACGGUGGGCG 73
chr-A07.trna41-Lys-CTT     CCCCACGGUGGGCG 73
chr-A08.trna10-Lys-CTT     CCCCACGGUGGGCG 73
chr-B09.trna5-Lys-CTT      CCCCACGGUGGGCG 73
chr-B02.trna110-Lys-CTT    CCCCACGGUGGGCG 73
chr-B03.trna4-Lys-CTT      CCCCACGGUGGGCG 73
chr-B03.trna109-Lys-CTT    CCCCACGGUGGGCG 73
chr-B04.trna63-Lys-CTT     CCCCACGGUGGGCG 73
chr-B04.trna99-Lys-CTT     CCCCACGGUGGGCG 73
chr-B06.trna6-Lys-CTT      CCCCACGGUGGGCG 73
chr-B07.trna7-Lys-CTT      CCCCACGGUGGGCG 73
chr-B07.trna8-Lys-CTT      CCCCACGGUGGGCG 73
chr-B07.trna65-Lys-CTT     CCCCACGGUGGGUG 73
chr-A06.trna28-Lys-CTT     CCCCACGGUGGACG 73
chr-A01.trna95-Lys-TTT     UCCCACAGACGGCG 73
chr-B03.trna5-Lys-CTT      CCCCACAGUGGGCG 73
chr-A08.trna33-Lys-CTT     CCCCACGGUGGGCG 74
chr-A05.trna38-Lys-CTT     UCCCACGGUGGACG 73
chr-B07.trna24-Lys-TTT     UCCCAGCAACGGAA 72
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