TITLE:Aminoacyl-tRNA biosynthesis TBLA0Atrna16. TBLA0Atrna17 L-Glutamate L-Valine TBLA0E00190. ⊭cor L-Glutamyl-tRNA(Glu) ⊭æ₄L-Valyl-tRNA(Val) ΓBLA0C02290 TBLA0Atrna22. L-Glutamyl-tRNA(Gln) K09698 L-Leucine TBLA0C02570. **⊭⊘**"L-Leucyl-tRNA(Leu) TBLA0Atrna1 Valine, leucine and isoleucine biosynt TBLA0B03790 **—[≥®** L-Glutamine ►©² L-Glutaminyl-tRNA(Gln) TBLA0G00450 TBLA0Atrna19.. Alan ne, aspartate and glutamate metabolism L-Isole ucine TBLA0Atrna23... **⊭⊙**″L-Isole ucyl-tRNA(Ile) TBLA0A01600 -[:§@ L-Alanine **⊭∞**% L-Alanyl-tRNA(Ala) - [-2@ TBLA0A04580 TBLA0Atrna20. L-Lysine ⊭co∗L-Lysyl-tRNA(Lys) TBLA0Atrna14... TBLA0E02610 L-Aspartate TBLA0B04400. **⊭**⊘⊶ L-Aspartyl-tRNA(Asp) K09759 Lysine biosynthesis K14239 L-Pyrrolysine ►∽ L-Aspartyl-tRNA(Asn) K09759 **►⊙** L-Pymolysyl-tRNA(Pyl) K11627 TBLA0Atrna11 TBLA0C0686 L-Asparagine -—-{>©2----TBLA0Atrna16. ⊭oo'² L-Asparaginyl-tRNA(Asn) TBLA0A01400.. L-Arginine ⊭⊘₃L-Arginyl-tRNA(Arg) **−[≅**‱ TBLA0A03380 TBLA0Atrna24. Arginine and proline metabolis Glycine TBLA0Atrna14.. **⊭⊘**² Glycyl-tRNA(Gly) - [<u>*</u>\$@37 TBLA0C02180. L-Proline ⊯⊚vL-Prolyd-tRNA(Pro) - **- [:\$***** TBLA0C05080 TBLA0Atrna16. L-Threonine TBLA0Atrna6H. **⊭ce**º² L-Threonyl-tRNA(Thr) TBLA0E04510. L-Histidine **⊭⊘**∘L-Histidyl-tRNA(His) Histidine metabolis TBLA0100880 1-2-Q3: TBLA0Atrna25.. Glycine, serine and threonine metabolism TBLA0Atrna10. **⊭⊘**∷ L-Seryl-tRNA(Ser) TBLA0E02740. L-Phenylalanine ⊭⊚ L-Phenylalanyl-tRNA(Phe) ΓBLA0A04530.. K14238 K01042 Phehylalanine, tyrosine and tryptophan biosynt TBLA0E02740.. TBLA0Atrna9Y. L-Serine L-Seryl-tRNA(Sec) L-Selenocysteinyl-tRNA(Sec) O-Phosphoseryl-tRNA(Sec) L-Tyrosine **⊭⊘**∘L-Tyrosyl-tRNA(Tyr) -1500° ΓBLA0H02080 O-Phosphoseryl-tRNA(Cys) K07587 —⊳o TBLA0Atrna4W O-Phospho-L-serine K06868 TBLA0Atrna5C. L-Tryptophan ⊭⊚²L-Tryptophanyl-tRNA(Trp) yptophan metabolis L-Cysteine ⊭or L-Cysteinyl-tRNA(Cys) TBLA0A05760 Cysteine and methionine metabolism TBLA0Atrna10.. COS410-Formyl-THF L-Methionine ▶©⁴N-Formyl-methionyl-tRNA TBLA0C06770.. TBLA0C04180 L-Methionyl-tRNA(Met) C00001 THF 00970 2/4/16 (c) Kanehisa Laboratories