## PURINE METABOLISM Alanine, aspartate and glutamate metabolism Pentose phosphate pathway Histidine metabolism Thiamine metabolism Ribosylamine-AICAR $\nabla$ D-Ribose-1P Ribose-5P FGAM FGAR, CAIR —**⊭⊚**5-Amino-4-imidazolecarboxyamide K01756 K00759 PRPP SAICAR °**©**°L-Glutamine 5'-Acetylphosphoadenosine (mitochondria) 6.3.4.7 🎔 FAICAR K13988.. 3.6.1.20 5-Carboxyamino-1-(5-phospho-D-ribosyl)imidazole 5'-Benzoylphosphoadenosine (mitochondria) \_\_\_\_\_ $\overline{\text{dIDP}}$ dIMPADPnbose dITPK01120... Аррр**Қ** 3.6.1.20 K04765 рррСрр Admylo-Inosine 5'-tetraphosphate succinate K01756 K01519 °**©**⁴ 3.6.1.14 3',5'-Cyclic GMP 🍑 2',3'-Cyclic AMP <del>-</del>C<sup>®</sup>ATP K04765 IDP Arginine biosynthesis ITP K00364 K00951...

