## PHOSPHOTRANSFERASE SYSTEM (PTS) Phosphoenol-pyruvate Phosphoenol-pyruvate Pyruvate Pyruvate 0 0 **₽**O **FO** K02784 K11183 +p +p +p Gk family Fru family Fru family Fructose 1-phosphate Fructose K02778... Glucos K02798.. K02769.. K02768 **▶**©°2 Glucose 6-phosphate Mannito( ) ►O<sup>4</sup> Mannitol 1-phosphate ▶O° 2-O-(6-Phospho-α-mannosyl) -D-glycerate 2-O-α-Mannosyl<sup>©</sup> K11198... $N-Acetyl-D \circ {\color{red} \bullet}$ N-Acetyl-D-K02802... D-glycerate glucosamine 6-phosphate glucosamine Man family Nitrogen regulation K02790.. №07 Maltose 6-phosphate Maltose 🛇 " K02795 Mannos ►O° Mannose 6-phosphate Phosphoenol-K02796 prinvate Pyruvate ►⊙<sup>∞</sup> D-Glucosamine 6-phosphate D-Glucosamine C K02763... 0 FO K19508 K19506 Fructoselysine & O-Glucoselysine Fructoselysine 6-phosphate / Glucoselysine 6-phosphate K08484 K19509 K19507 Sucrose O K02808. 🕶🗢 Sucrose-6-phosphate K11196 K11194 +p Fructose O ►O<sup>4</sup> Fructose 1-phosphate K02771 K11195 β-Glucosides 🗢 🕨 **▶○**° Phospho-β-glucoside K08485 K02814 K02812 Vipintin PO-Arbutin 6-phosphate Salicin 6-phosphate Sorbose(O) 🗠 Sorbose 1-phosphate K02752... K02815 K02813 +p Salicin K02746 K02744 N-Acetyl- 👁 N-Acetyl-galactosamine 6-phosphate Trehalose O KO2818... Nitrogen 💇 🕨 K02806 Trehalose 6-phosphate K02745 N-Acetyl- OB K11191... ►⊙® N-Acetylmuramic acid K10985 K02744 Galactosamine Galactosamine \frown 6-phosphate K10984 6-phosphate Arbutin On K02750 ►O<sup>™</sup> Arbutin 6-phosphate D-Glucosaminate K02749 D-Glucosaminate 💇 K17465 6-phosphate Lac family Other family Lactose K02787... K02781 K02786 ►O° Lactose 6-phosphate Sorbito( ) 🗝 Sorbitol 6-phosphate K02782 K02759 K02773 Cellobiose<sup>©</sup> ► K02761 ₩ Galactito( ) K02760 ►O¹ Galactitol 1-phosphate K02774 K02821 L-Ascorbate 🗢 🟲 C) L-Ascorbate 6-phosphate K02822

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