## Intracellular metabolite mole fractions Dominant >= 1% dominant rare 1.00 0.03 0.75 Relative abundance 0.02 0.01 0.25 0.00 G1 Ś G2 G2 Dominant Cell Cycle Stage 3-methyl-2-oxobutanoic acid 4-hydroxybenzoic acid glutamic acid neg leucine phenylalanine threonine (isom. homoserine) thymidine adenine pos glutamine lumichrome adenosine 5'-monophosphate pos glutathione oxidized s-(5'-adenosyl)-L-homocysteine pos tryptophan

alpha-ketoglutaric acid

cytosine

Metabolite

glutathione pos

isoleucine

hexose-6-phosphate

inosine 5-monophosphate pos NADP

nicotinamide

s-adenosyl-I-methionine

sucrose387 neg

T\_90to30

T\_90to62

uridine 5-monophosphate pos

xanthosine neg