

	KEGG ID	Control-Males	Control-Females	AO-Plasma	DH-Plasma	AO's Relatives
(S)-4-hydroxymandelonitrile +	C03742	17	15	16	17	16
2-HG	C02630	20	19	18	19	19
2-keto-isovaleric acid	C00141	29	29	29	30	29
3-hydroxy-anthranilic acid	C00632	19	19	20	21	21
3-hydroxykynurenine	C02794	16	14	18	19	18
3-phospho-serine	C01005	20	19	20	19	19
3-ureidopropionic acid	C02642	18	19	17	19	17
3,4-dihydroxymandelic acid	C05580	15	17	15	0	5
3,4-dihydroxyphenylpropanoate	C10447	16	17	15	13	17
4-trimethylammoniobutanoate+	C01181	24	24	22	23	22
5-methylcytosine	C02376	21	21	20	21	20
5'-methylthioadenosine	C00170	14	0	18	18	18
6-aminocaproic acid	C02378	0	0	24	25	17
6-phosphogluconic acid	C00345	15	14	18	20	19
+KG	C00026	24	22	21	23	22
acetylcholine+	C01996	23	22	21	22	24
aconitic acid	C00417-C02341	15	18	20	21	21
adenine	C00147	22	21	22	22	22
adenosine	C00212	14	14	16	20	14
adenylosuccinate	C03794	15	0	0	0	0
alanine	C00041-C00133	29	30	27	27	27
allantoin	C01551	26	25	22	23	23
arginine	C02385	32	32	30	31	31
asparagine	C16438	23	23	25	25	26
aspartic acid	C16433	25	26	25	24	26
betaine	C00719	30	30	30	31	31
carntine+	C00487	30	31	28	29	28
CDP	C00112	16	15	17	11	11
CDP-choline	C00307	0	14	0	16	0
choline+	C00114	32	33	29	30	29
citraconic acid	C02226	22	22	22	22	24
citrulline	C00327	24	24	24	24	24
creatine	C00300	27	28	27	28	26
creatinine	C00791	30	30	29	30	30
CTP	C00063	18	15	18	17	12
cystathionine	C00542	19	19	19	20	20
cysteine	C00736-C00097	16	15	19	21	19
cysteine-5-sulfate	C05824	27	27	22	23	23
cystine	C01420	23	23	27	28	27
cytidine	C00475	17	17	0	18	16
cytosine	C00360	20	20	19	19	20
D-arabinono-1,4-lactone	C00652	22	22	21	22	22
D-erythrose-4-phosphate	C00279	0	0	0	0	5
dehydroascorbic acid	C05422	0	0	20	21	20
deoxyuridine	C00526	20	19	17	19	18
dihydrooorotate	C00337	17	17	21	20	21
DL-DOPA	C00355	18	18	18	17	18
epinephrine	C00788	19	19	18	19	18
fumaric acid	C00122	20	20	19	19	19
GABA	C00334	21	19	20	19	19
GDP	C00035	17	14	18	17	18
glutamine	C00303	27	27	29	29	29
glutaminic acid	C00302	28	24	24	25	24
glutathione	C00051	19	18	17	0	5
glutathione disulfide	C00127	21	20	21	20	20
glyceric acid	C00258	29	29	27	28	27
glycine	C00037	27	27	25	26	25
glycylglycine	C02037	0	18	0	0	0
GMP	C00144	13	13	15	18	16
GTP	C00044	17	13	14	13	5
guanidine	C17349	15	18	18	14	17
guanidinoacetate	C00581	22	23	20	21	21
guanine	C00242	15	18	0	0	4
guanosine	C00387	14	0	0	0	0
histamine	C00388	0	0	0	17	6
histidine	C00768	29	29	27	27	27
homocysteine	C05330	23	24	22	25	23
hydroxyphenyllactic acid	C03672	23	23	23	23	24
hypoxanthine	C00262	31	28	25	26	25
IDP	C00104	0	0	24	26	24
imidazole-4-acetate	C02835	23	23	22	22	22
IMP	C00130	13	0	23	24	22
inosine	C00294	18	0	0	19	5
kynurenic acid	C01717	19	19	19	19	20
kynurenine	C01718	25	25	25	26	25
L-arginino-succinate	C03406	19	20	18	19	19
L-cystic acid	C00506	0	16	0	0	0
L-NMMA	C03884	26	25	25	26	26
L-tyrosine methyl ester	C03404	0	14	15	14	15
lactic acid	C01432	0	0	0	0	0
levulinic acid	n/a	0	0	22	0	0
lysine	C00047/C00739	31	31	30	31	30
maleic acid	C01384	0	17	16	0	0
malic acid	C00711	25	25	24	25	24
methionine	C00073	29	29	28	29	28
methylglyoxal	C00546	22	22	0	21	6
methylmalonic acid	C02170	25	25	24	27	26
mevalonic acid	C00418	22	23	22	23	22
N-acetyl-DL-alanine	n/a	25	26	25	26	26
N-acetyl-L-glutamic acid	C00624	17	0	0	0	0
N-acetylaspartic acid	C01042	0	0	17	18	0
N-acetylaspartylglutamic acid	C12270	17	18	19	20	18
N-carbamoyl-L-aspartate	C00438	18	17	0	0	0
N-methyltryptamine	C06213	0	0	15	16	15
NAD+	C00003	15	15	15	0	0
NADP+	C00006	0	0	0	13	5
nicotinamide	C00153	24	23	22	23	22
NMN	C00455	0	0	0	13	4
octopamine	C04227	17	17	20	21	20
ornithine	C01602	29	29	26	27	27
orotic acid	C00295	21	20	19	21	20
pantothenic acid	C00864	23	23	23	25	23
phenylalanine	C02057	32	32	30	30	30
phosphocreatine	C02305	20	19	21	20	20
phosphoenolpyruvate	C00074	0	0	19	17	19
phosphorylcholine+	C00588	24	23	23	23	23
picolinic acid	C10164	20	21	21	22	22
proline	C16435	32	32	32	32	33
pseudouridine	C02067	24	24	23	24	24
putrescine	C00134	27	20	17	17	15
pyridoxine	C00314	21	21	17	18	12
quinolinic acid	C03722	19	19	18	18	19
S-adenosyl-L-methionine+	C00019	18	14	20	20	20
serine	C00716	24	24	23	23	23
spermidine	C00315	25	25	25	25	25
spermine	C00750	24	24	24	24	24
succinic acid	C00042	25	24	22	22	22
taurine	C00245	29	30	27	29	28
thiamine+	C00378	0	14	17	19	6
thymidine	C00214	17	16	14	17	10
thymine	C00178	20	21	19	19	20
tryptamine	C00398	15	13	16	17	17
tryptophan	C00006	30	30	30	30	29
tyramine	C00483	19	20	19	19	19
tyrosine	C01536	30	30	30	30	29
UDP	C00015	13	0	14	15	11
uracil	C00106	23	22	20	21	14
uric acid	C00366	30	30	29	30	30
uridine	C00299	25	25	23	25	24
UTP	C00075	13	0	15	0	6
valine	C16436	30	30	30	31	30
xanthine	C00385	26	25	22	23	22
xanthosine	C01762	17	0	14	13	15
xanthurenic acid	C02470	17	16	19	18	19