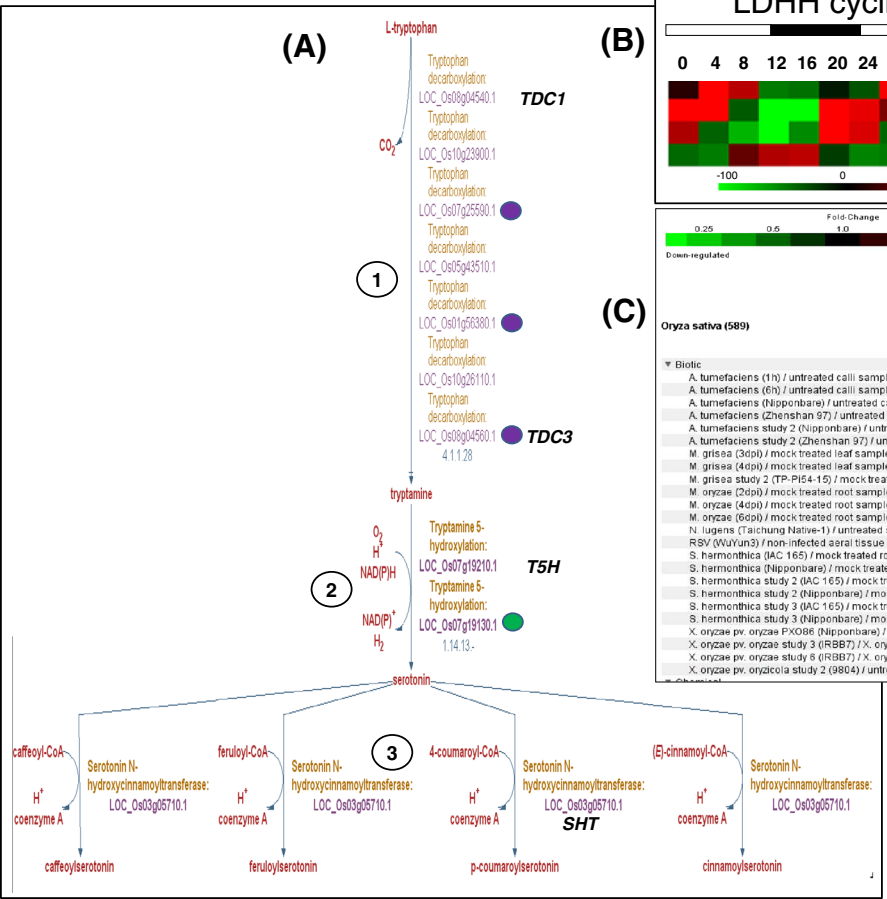
(A)
L-tryptophan
Tryptophan decarboxylation: LOC_Os08g04540.1
TDC1
CO2
Tryptophan decarboxylation: LOC_Os10g23900.1
Tryptophan decarboxylation: LOC_Os07g25590.1
Tryptophan decarboxylation: LOC_Os05g43510.1
1
Tryptophan decarboxylation: LOC_Os01g56380.1
Tryptophan decarboxylation: LOC_Os10g26110.1
Tryptophan decarboxylation: LOC_Os08g04560.1
TDC3
4.1.1.28
tryptamine
O2
H+
NAD(P)H
Tryptamine 5-hydroxylation: LOC_Os07g19210.1
T5H
2
NAD(P)+
H2
Tryptamine 5-hydroxylation: LOC_Os07g19130.1
1.14.13.-
serotonin
caffeoyl-CoA
H+
coenzyme A
Serotonin N-hydroxycinnamoyltransferase: LOC_Os03g05710.1
feruloyl-CoA
H+
coenzyme A
Serotonin N-hydroxycinnamoyltransferase: LOC_Os03g05710.1
3
4-coumaroyl-CoA
H+
coenzyme A
Serotonin N-hydroxycinnamoyltransferase: LOC_Os03g05710.1
SHT
(E)-cinnamoyl-CoA
H+
coenzyme A
Serotonin N-hydroxycinnamoyltransferase: LOC_Os03g05710.1
caffeoylserotonin
feruloylserotonin
p-coumaroylserotonin
cinnamoylserotonin
(B)
LDHH cycling genes
0 4 8 12 16 20 24 28 32 36 40 44 48
LOC_OS07G19130 R2
LOC_OS08G04560 R1
LOC_OS01G56380 R1
LOC_OS07G25590 R1
-100 0 100
(C)
Fold-Change
0.25 0.5 1.0 2.0 4.0
Down-regulated
Up-regulated
Oryza sativa (589)
LOC_OS08G04560 R1
LOC_Os07g19210 R2
LOC_OS08G04540 R1
LOC_OS03G05710 R3
LOC_OS07G25590 R1
LOC_OS10G23810 R1
LOC_OS07G19130 R2
LOC_Os05g43510 R1
LOC_OS01G56380 R1
Biotic
A. tumefaciens (1h) / untreated calli samples
A. tumefaciens (6h) / untreated calli samples
A. tumefaciens (Nipponbare) / untreated calli samples (Nipponbare)
A. tumefaciens (Zhenshan 97) / untreated calli samples (Zhenshan 97)
A. tumefaciens study 2 (Nipponbare) / untreated calli samples (Nipponbare)
A. tumefaciens study 2 (Zhenshan 97) / untreated calli samples (Zhenshan 97)
M. grisea (3dpi) / mock treated leaf samples (3dpi)
M. grisea (4dpi) / mock treated leaf samples (4dpi)
M. grisea study 2 (TP-PI54-15) / mock treated leaf samples (TP-PI54-15)
M. oryzae (2dpi) / mock treated root samples (2dpi)
M. oryzae (4dpi) / mock treated root samples (4dpi)
M. oryzae (6dpi) / mock treated root samples (6dpi)
N. lugens (Taichung Native-1) / untreated stem samples (Taichung Native-1)
RSV (WuYun3) / non-infected aerial tissue samples (WuYun3)
S. harmonthica (IAC 165) / mock treated root samples (IAC 165)
S. harmonthica (Nipponbare) / mock treated root samples (Nipponbare)
S. harmonthica study 2 (IAC 165) / mock treated root samples (IAC 165)
S. harmonthica study 2 (Nipponbare) / mock treated root samples (Nipponbare)
S. harmonthica study 3 (IAC 165) / mock treated root samples (IAC 165)
S. harmonthica study 3 (Nipponbare) / mock treated root samples (Nipponbare)
X. oryzae pv. oryzae PXO86 (Nipponbare) / X. oryzae pv. oryzae PXO99A (Nippon...
X. oryzae pv. oryzae study 3 (IRBB7) / X. oryzae pv. oryzae study 2 (IRBB7)
X. oryzae pv. oryzae study 6 (IRBB7) / X. oryzae pv. oryzae study 2 (IRBB7)
X. oryzae pv. oryzicola study 2 (9804) / untreated flag leaf samples (9804)