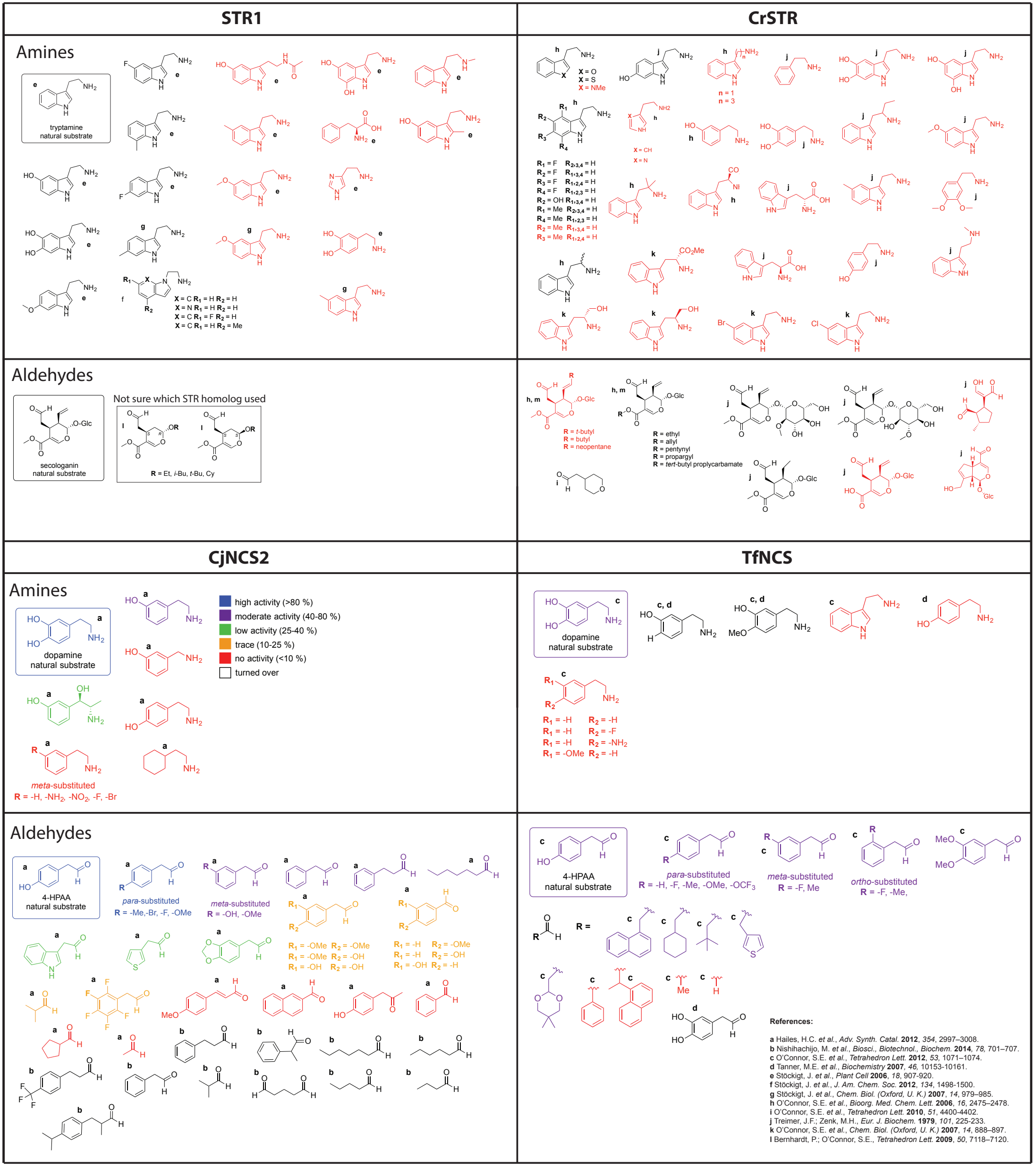
STR1
CrSTR
Amines
tryptamine
natural substrate
X = C R1 = H R2 = H
X = N R1 = H R2 = H
X = C R1 = F R2 = H
X = C R1 = H R2 = Me
X = O
X = S
X = NMe
n = 1
n = 3
X = CH
X = N
R1 = F R2,3,4 = H
R2 = F R1,3,4 = H
R3 = F R1,2,4 = H
R4 = F R1,2,3 = H
R2 = OH R1,3,4 = H
R1 = Me R2,3,4 = H
R4 = Me R1,2,3 = H
R2 = Me R1,3,4 = H
R3 = Me R1,2,4 = H
Aldehydes
secologanin
natural substrate
Not sure which STR homolog used
R = Et, i-Bu, t-Bu, Cy
R = t-butyl
R = butyl
R = neopentane
R = ethyl
R = allyl
R = pentynyl
R = propargyl
R = tert-butyl proplycarbamate
CjNCS2
TfNCS
Amines
dopamine
natural substrate
high activity (>80 %)
moderate activity (40-80 %)
low activity (25-40 %)
trace (10-25 %)
no activity (<10 %)
turned over
meta-substituted
R = -H, -NH2, -NO2, -F, -Br
R1 = -H R2 = -H
R1 = -H R2 = -F
R1 = -H R2 = -NH2
R1 = -OMe R2 = -H
Aldehydes
4-HPAA
natural substrate
para-substituted
R = -Me,-Br, -F, -OMe
meta-substituted
R = -OH, -OMe
R1 = -OMe R2 = -OMe
R1 = -OMe R2 = -OH
R1 = -OH R2 = -OH
R1 = -H R2 = -OMe
R1 = -H R2 = -OH
R1 = -OH R2 = -H
para-substituted
R = -H, -F, -Me, -OMe, -OCF3
meta-substituted
R = -F, Me
ortho-substituted
R = -F, -Me,
R =
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