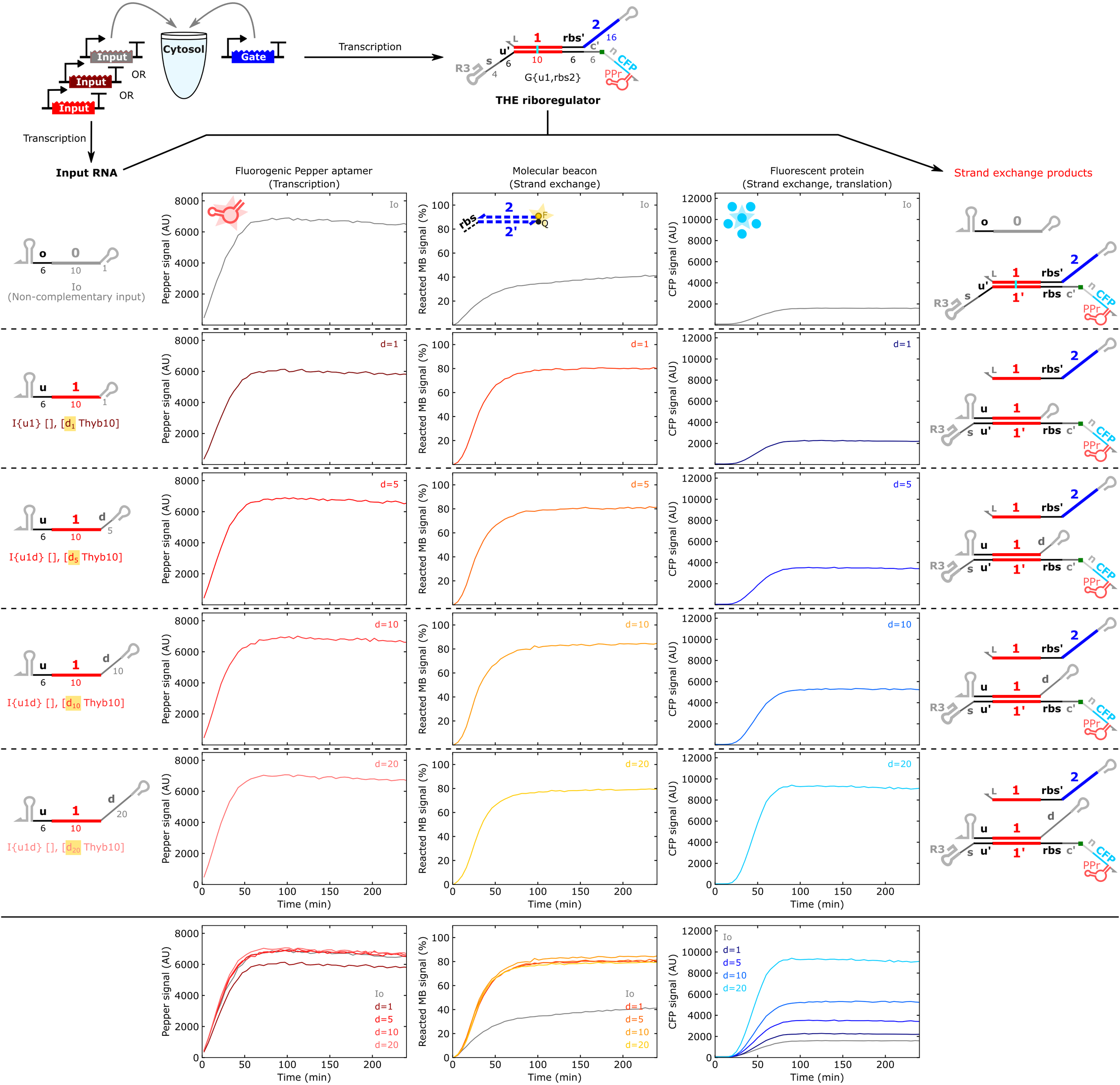

Input
Input
Input
OR
OR
Cytosol
Gate
Transcription
Transcription
Input RNA
THE riboregulator
G{u1,rbs2}
Fluorogenic Pepper aptamer
(Transcription)
Molecular beacon
(Strand exchange)
Fluorescent protein
(Strand exchange, translation)
Strand exchange products
Pepper signal (AU)
Reacted MB signal (%)
CFP signal (AU)
Time (min)
Io
(Non-complementary input)
I{u1} [], [d1 Thyb10]
I{u1d} [], [d5 Thyb10]
I{u1d} [], [d10 Thyb10]
I{u1d} [], [d20 Thyb10]
Io
d=1
d=5
d=10
d=20