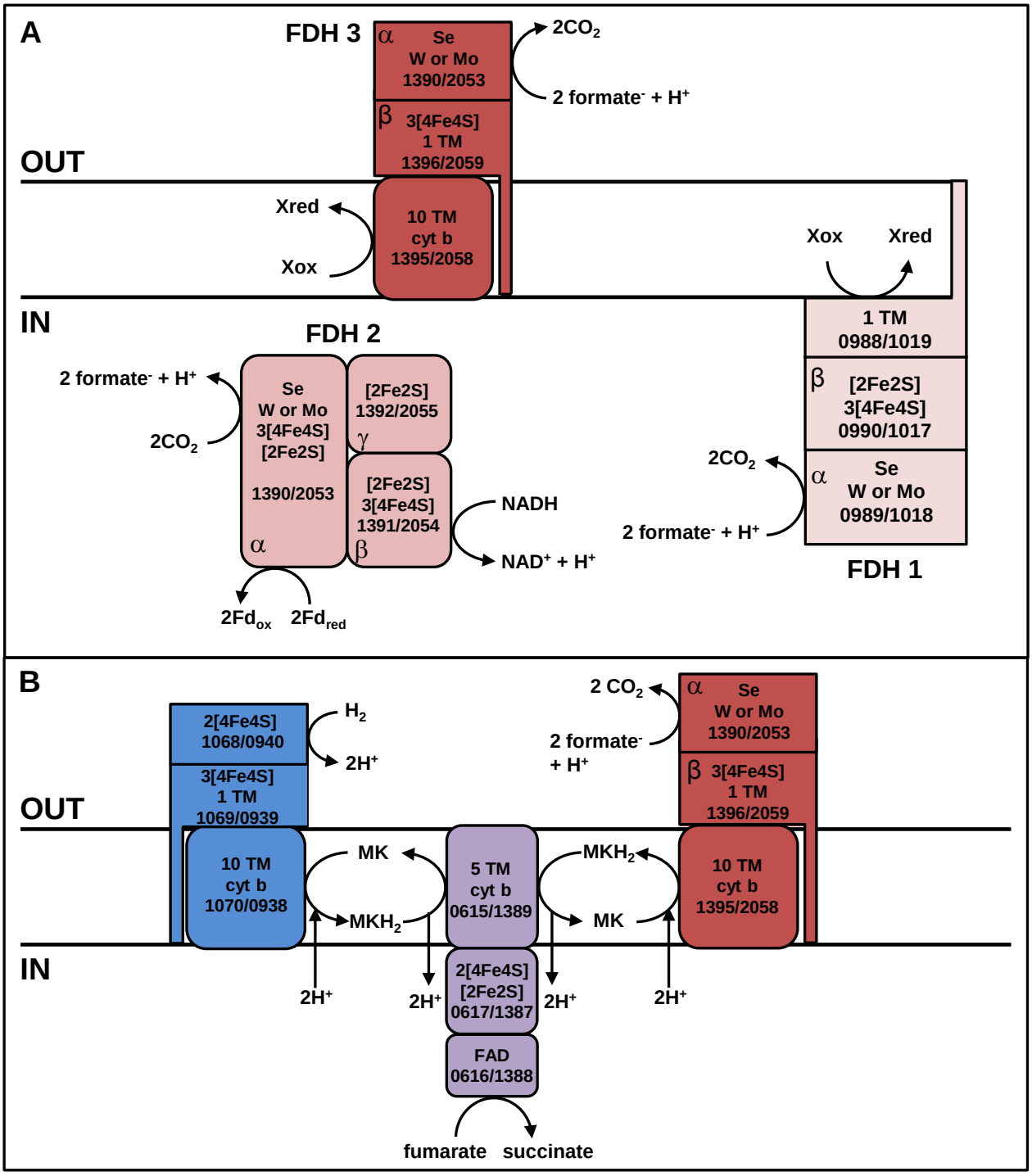
A
FDH 3
α
Se
W or Mo
1390/2053
β
3[4Fe4S]
1 TM
1396/2059
2CO2
2 formate- + H+
OUT
Xred
Xox
10 TM
cyt b
1395/2058
Xox
Xred
IN
FDH 2
2 formate- + H+
2CO2
Se
W or Mo
3[4Fe4S]
[2Fe2S]
1390/2053
α
[2Fe2S]
1392/2055
γ
[2Fe2S]
3[4Fe4S]
1391/2054
β
NADH
NAD+ + H+
2Fdox
2Fdred
1 TM
0988/1019
β
[2Fe2S]
3[4Fe4S]
0990/1017
2CO2
α
Se
W or Mo
0989/1018
2 formate- + H+
FDH 1
B
2[4Fe4S]
1068/0940
H2
2H+
3[4Fe4S]
1 TM
1069/0939
OUT
10 TM
cyt b
1070/0938
MK
MKH2
5 TM
cyt b
0615/1389
MKH2
MK
2 CO2
α
Se
W or Mo
1390/2053
2 formate-
+ H+
β
3[4Fe4S]
1 TM
1396/2059
10 TM
cyt b
1395/2058
IN
2H+
2H+
2[4Fe4S]
[2Fe2S]
0617/1387
2H+
2H+
FAD
0616/1388
fumarate
succinate