

**Table 3 Dissimilatory processes in the methylotrophic network.**

Dissimilation processes	max ATP	max NADH	max NADPH
	in mol.mol(methanol)-1		
MeOH - > CO <sub>2</sub> (cytoplasmic FDH)	5	2	2
MeOH - > CO <sub>2</sub> (periplasmic FDH)	3	0	0
MeOH + CO <sub>2</sub> (Ser cycle) - > Acetyl-CoA - > TCA cycle - > 2 CO <sub>2</sub>	1	0.5	0.5
MeOH + n CO <sub>2</sub> (Ser cycle + EMCP) - > other C <sub>2</sub> s, C <sub>3</sub> s, etc - > central pathways - > n+1 CO <sub>2</sub>	1	0.5	0.5

Types and number of dissimilatory EFMs detected in the methylotrophic network. For each type of dissimilation process, the theoretical maximum yields in ATP, NADH or NADPH are given.