

Signature proteins	arCOG	COG	<i>Thaumarchaeota</i>	<i>Aigarchaeota</i>	<i>Crenarchaeota</i>	<i>Geoarchaeota</i> incl. *SAGs (Rinke et al., 2013)	<i>Korarchaeota</i>	<i>Euryarchaeota</i>	<i>Nanoarchaeota</i>
RNA polymerase G (=rpo8)	arCOG04271	-	-	-	◆	-	◆	-	-
RNA polymerase A - single ORF	arCOG04256/arCOG04257	0086	◆	◆	split	split	◆	split	split
RNA polymerase B - single ORF	arCOG01762	0085	◆	◆	◆	◆	◆	most split	split, no operon
MBF1	arCOG01863	1813	(◆)	◆	◆	◆	◆	◆	◆
EIF1	arCOG04136	4888	-	◆	◆	◆	◆	-	-
RNase P/RNase MRP subunit POP5	arCOG01365	1369	-	◆	◆	◆*	◆	◆	-
RNase P 30	arCOG00307	1603		◆	◆	◆	◆	◆	-
DNA pol D (small)	arCOG04455	1311	◆	◆	-	◆	◆	◆	◆
DNA pol D (large)	arCOG04447	1933	◆	◆	-	- fragment?	◆	◆	◆
RPA (Eury-like, complex)	(arCOG01510)	(1599)	◆		- only T. pendens	-	◆	◆	◆
RPA / SSB (Cren-like, single OB-fold)	arCOG01510	1599	◆	◆	◆	◆	◆	(◆)	-
PCNA	arCOG00488	0592	1	1	◆ (one in T. pendens)	1	1	1	1
Topo IB	arCOG08649	3569	◆	◆	-	-	-	-	-
Topo IA	arCOG01527	0550	(◆)	◆	◆	◆*	◆	◆	◆
TopoIIA (subunit A+B)	arCOG04367+arCOG04371	0188+0187	-	-	-	-	-	(◆)	-
reverse gyrase	arCOG01526	1110	-	◆	◆	◆	◆	◆ (HT)	◆ (split)
ESCRT-III (CdvB homologs)	arCOG00452	5491	◆	◆	◆	◆	-	-	-
Vps4 (CdvC)	arCOG01307	0464	◆	◆	◆	◆	-	-	-
CdvA	arCOG04054	-	◆	-	◆	◆*?	-	-	-
Fts Z	arCOG02201	0206	◆	◆	-	-	◆	◆	◆
Smc, Chromosome segregation ATPase	arCOG00370	1196	◆	◆	-	- fragment?	◆	◆	-
ScpA + ScpB	arCOG02610+arCOG02613	1354+1386	◆	◆	-	-	◆	(◆)	-
crenactin	arCOG05583	-	-	◆	(◆)	-	◆	-	-
Histones (H3/H4-like)	arCOG02144	2036	◆	◆	- (exc. two)	-	◆	◆	◆