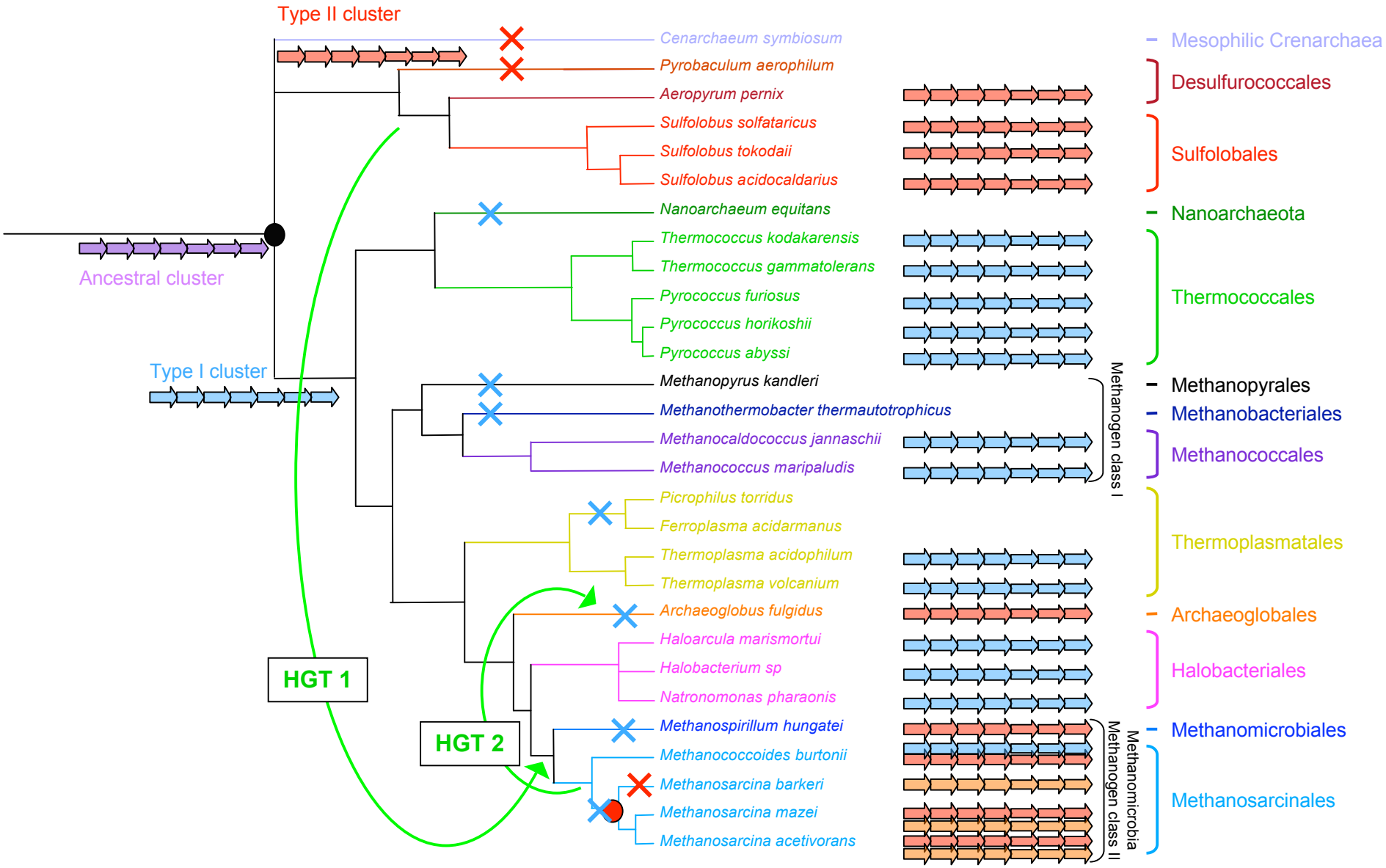
Type II cluster
Ancestral cluster
Type I cluster
HGT 1
HGT 2
Cenarchaeum symbiosum
Pyrobaculum aerophilum
Aeropyrum pernix
Sulfolobus solfataricus
Sulfolobus tokodaii
Sulfolobus acidocaldarius
Nanoarchaeum equitans
Thermococcus kodakarensis
Thermococcus gammatolerans
Pyrococcus furiosus
Pyrococcus horikoshii
Pyrococcus abyssi
Methanopyrus kandleri
Methanothermobacter thermautotrophicus
Methanocaldococcus jannaschii
Methanococcus maripaludis
Picrophilus torridus
Ferroplasma acidarmanus
Thermoplasma acidophilum
Thermoplasma volcanium
Archaeoglobus fulgidus
Haloarcula marismortui
Halobacterium sp
Natronomonas pharaonis
Methanospirillum hungatei
Methanococcoides burtonii
Methanosarcina barkeri
Methanosarcina mazei
Methanosarcina acetivorans
Methanogen class I
Methanomicrobia
Methanogen class II
Mesophilic Crenarchaea
Desulfurococcales
Sulfolobales
Nanoarchaeota
Thermococcales
Methanopyrales
Methanobacteriales
Methanococcales
Thermoplasmatales
Archaeoglobales
Halobacteriales
Methanomicrobiales
Methanosarcinales