

TABLE S5. HCIV-1-related elements in archaeal genomes.

Archaeal species	HCIV-1 ORFs/genes ^a
<i>Halobiforma lacisalsi</i> (provirus HaloLacP1)	5, 8, 9 (VP1), 11, 13 (putative ATPase, ~75%), 14, 16, 17, 18, 19 (VP12), 20 (VP7, ~66%), 21 (VP4, ~67%), 23, 24 (VP2), 25 (VP5), 26 (VP10), 42, 44
<i>Haladaptatus paucihalophilus</i> (provirus HalaPauP1)	8, 9 (VP1), 11, 13 (putative ATPase, ~76%), 14, 16, 18, 19 (VP12), 20 (VP7, ~70%), 21 (VP4, ~69%), 24 (VP2), 25 (VP5), 26 (VP10), 27 (VP9)
<i>Haladaptus cibarius</i> (provirus HalaCibP1)	13 (putative ATPase, ~76%), 14, 16, 18, 20 (VP7, ~69%), 21 (VP4, ~67%), 24 (VP2), 25 (VP5), 26 (VP10), 27 (VP9)
<i>Natrialba aegyptia</i>	8, 11, 13 (putative ATPase, ~33%), 28 (VP3), 29 (VP6), 42
<i>Natrinema versiforme</i>	8, 11, 13 (putative ATPase, ~31%), 28 (VP3), 29 (VP6), 42
<i>Natrialba asiatica</i>	8, 11, 13 (putative ATPase, ~33%), 29 (VP6), 42
<i>Natrinema</i> sp. J7-2	8, 13 (putative ATPase, ~32%), 28 (VP3), 29 (VP6), 42
<i>Halomicrobium mukahataei</i>	11, 13 (putative ATPase, ~ 37% to provirus HaloMukP1 and ~ 29% to provirus HaloMukP2), 29 (VP6), 42
<i>Haloterrigena thermotolerans</i>	8, 13 (putative ATPase, ~32%), 28 (VP3), 29 (VP6), 42
<i>Natrinema gari</i>	8, 11, 28 (VP3), 29 (VP6)
<i>Haloterrigena jeotgali</i>	8, 28 (VP3), 29 (VP6), 42

^a HCIV-1 ORFs/genes with detected homologous proteins in archaeal genomes (search dated 21 March 2016). (%), amino acid similarities shown for conserved proteins (MCPs and ATPase).