

Supplementary table 3: Digital DDH (dDDH) values calculated for all *Thermus* species against each other using Genome to Genome Distance Calculator (ggdc.dsmz.de)

The dDDH values among *T. thermophilus* group are marked with blue. The dDDH values of *T. parvatiensis* with the closely related *T. thermophilus* group are marked with pink, all below the DDH cutoff (70%).

	<i>T. igniterrae</i>	<i>T. antranikianii</i>	<i>T. caliditerrae</i>	<i>T. sp. CCB_US3_UF1</i>	<i>T. filiformis</i>	<i>T. thermophilus</i> HB8	<i>T. thermophilus</i> HB27	<i>T. islandicus</i>	<i>T. oshimai</i>	<i>T. thermophilus</i> JL-18	<i>T. parvatiensis</i>	<i>T. scotoductus</i>	<i>T. thermophilus</i> SG0.5JP17-16	<i>T. amyloliquefaciens</i>	<i>T. brockianus</i>	<i>T. tengchongensis</i>	<i>T. aquaticus</i>
<i>T. igniterrae</i>	100	26.7	27.5	28.6	21.8	25.9	25.8	25.8	24.6	25.7	27.2	25.8	26	27.2	26.9	27	26.8
<i>T. antranikianii</i>	26.7	100	27.2	25.1	20.5	23.3	23.3	23.3	22.7	23.2	23.9	58.9	23.4	32.1	24.6	35.6	23.9
<i>T. caliditerrae</i>	27.5	27.2	100	27.1	21.2	24.5	24.5	24.5	23.6	24.4	24.8	27.5	24.5	30.1	25.4	41.2	25.1
<i>T. sp. CCB_US3_UF1</i>	28.6	25.1	27.1	100	21.6	25.3	25.1	25.1	24.4	25.2	25.3	25.3	25.2	26.8	26.5	26.4	25.9
<i>T. filiformis</i>	21.8	20.5	21.2	21.6	100	22.6	22.7	21.6	21.9	22.4	22.7	20.6	22.4	21.3	21.4	21	22.1
<i>T. thermophilus</i> HB8	25.9	23.3	24.5	25.3	22.6	100	89	27.8	24.4	71.7	61.5	23.4	69.9	24.6	25.3	24.5	26.4
<i>T. thermophilus</i> HB27	25.8	23.3	24.5	25.1	22.7	89	100	27.7	24.4	72.6	61	23.5	68.9	24.8	25.4	24.3	26.5
<i>T. islandicus</i>	25.8	23.3	24.5	25.1	21.6	27.8	27.7	100	24.1	27.3	27	23.7	27	24.4	25.1	24	28.2
<i>T. oshimai</i>	24.6	22.7	23.6	24.4	21.9	24.4	24.4	24.1	100	24.7	24.5	23.2	24.3	23.9	24	23.5	25.6
<i>T. thermophilus</i> JL-18	25.7	23.2	24.4	25.2	22.4	71.7	72.6	27.3	24.7	100	63.2	23.4	70.8	24.6	25.2	24.7	26.5
<i>T. parvatiensis</i>	27.2	23.9	24.8	25.3	22.7	61.5	61	27	24.5	63.2	100	24.5	64.6	25	26.1	24.8	26.3
<i>T. scotoductus</i>	25.8	58.9	27.5	25.3	20.6	23.4	23.5	23.7	23.2	23.4	24.5	100	23.7	32.6	24.6	36.3	24.3
<i>T. thermophilus</i> SG0.5JP17-16	26	23.4	24.5	25.2	22.4	69.9	68.9	27	24.3	70.8	64.6	23.7	100	24.9	25.5	24.8	25.9
<i>T. amyloliquefaciens</i>	27.2	32.1	30.1	26.8	21.3	24.6	24.8	24.4	23.9	24.6	25	32.6	24.9	100	25.5	34.4	25.5
<i>T. brockianus</i>	26.9	24.6	25.4	26.5	21.4	25.3	25.4	25.1	24	25.2	26.1	24.6	25.5	25.5	100	25.3	25.5
<i>T. tengchongensis</i>	27	35.6	41.2	26.4	21	24.5	24.3	24	23.5	24.7	24.8	36.3	24.8	34.4	25.3	100	24.9
<i>T. aquaticus</i>	26.8	23.9	25.1	25.9	22.1	26.4	26.5	28.2	25.6	26.5	26.3	24.3	25.9	25.5	25.5	24.9	100