

Order	Allele	Sequence	[01]	[02]	[03]	[04]	[05]	[06]	[07]	[08]	[09]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]
[01]	STa1	AGTD		98.6%	98.6%	98.6%	98.6%	91.7%	93.1%	91.7%	93.1%	93.1%	91.7%	76.4%	75.0%	63.9%	63.9%	63.9%	59.7%	59.7%	59.7%	59.7%	58.3%	21.7%	20.3%	18.8%	20.3%	20.3%
[02]	STa1	M25607	99.1%		97.2%	97.2%	97.2%	90.3%	91.7%	90.3%	91.7%	91.7%	90.3%	75.0%	73.6%	62.5%	62.5%	62.5%	58.3%	58.3%	58.3%	58.3%	56.9%	20.3%	18.8%	17.4%	18.8%	18.8%
[03]	STa1	CP006001	99.5%	98.6%		97.2%	97.2%	90.3%	91.7%	90.3%	91.7%	91.7%	90.3%	75.0%	73.6%	62.5%	62.5%	62.5%	58.3%	58.3%	58.3%	58.3%	56.9%	23.2%	20.3%	18.8%	20.3%	20.3%
[04]	STa1	AQFI	98.6%	97.7%	98.2%		97.2%	90.3%	91.7%	91.7%	91.7%	91.7%	90.3%	76.4%	75.0%	62.5%	62.5%	62.5%	59.7%	59.7%	59.7%	59.7%	58.3%	21.7%	20.3%	18.8%	20.3%	20.3%
[05]	STa1	ANWD	99.5%	98.6%	99.1%	98.2%		93.1%	91.7%	90.3%	91.7%	91.7%	90.3%	77.8%	76.4%	65.3%	65.3%	65.3%	61.1%	61.1%	61.1%	61.1%	59.7%	23.2%	21.7%	20.3%	21.7%	21.7%
[06]	STa6	AWCA	94.1%	93.2%	93.6%	92.7%	94.5%		95.8%	94.4%	95.8%	95.8%	94.4%	80.6%	79.2%	65.3%	65.3%	65.3%	62.5%	62.5%	62.5%	62.5%	61.1%	23.2%	21.7%	20.3%	21.7%	21.7%
[07]	STa4	KT992796	95.9%	95.0%	95.4%	94.5%	95.4%	95.0%		98.6%	100.0%	100.0%	98.6%	79.2%	77.8%	65.3%	65.3%	65.3%	62.5%	62.5%	62.5%	62.5%	61.1%	21.7%	20.3%	18.8%	20.3%	20.3%
[08]	STa4	AEZI	95.4%	94.5%	95.0%	95.0%	95.0%	94.5%	99.5%		98.6%	98.6%	97.2%	80.6%	79.2%	63.9%	63.9%	63.9%	63.9%	63.9%	63.9%	63.9%	62.5%	23.2%	21.7%	20.3%	21.7%	21.7%
[09]	STa4	JWZR	95.9%	95.0%	95.4%	94.5%	95.4%	94.5%	99.1%	98.6%		100.0%	98.6%	79.2%	77.8%	65.3%	65.3%	65.3%	62.5%	62.5%	62.5%	62.5%	61.1%	21.7%	20.3%	18.8%	20.3%	20.3%
[10]	STa4	JZDL	95.9%	95.0%	95.4%	94.5%	95.4%	94.5%	99.1%	98.6%	99.1%		98.6%	79.2%	77.8%	65.3%	65.3%	65.3%	62.5%	62.5%	62.5%	62.5%	61.1%	21.7%	20.3%	18.8%	20.3%	20.3%
[11]	STa4	LFZH	95.4%	94.5%	95.0%	94.1%	95.0%	94.1%	98.6%	98.2%	98.6%	99.5%		77.8%	76.4%	63.9%	63.9%	63.9%	61.1%	61.1%	61.1%	61.1%	59.7%	20.3%	18.8%	17.4%	18.8%	18.8%
[12]	STa5	AEJX	86.3%	85.4%	85.8%	85.8%	86.8%	85.8%	88.6%	89.0%	88.6%	89.5%	89.0%		97.2%	56.9%	56.9%	56.9%	58.3%	58.3%	58.3%	58.3%	58.3%	23.2%	23.2%	23.2%	23.2%	23.2%
[13]	STa5	LFZI	85.8%	84.9%	85.4%	85.4%	86.3%	85.4%	88.1%	88.6%	88.1%	89.0%	88.6%	99.1%		55.6%	55.6%	55.6%	56.9%	56.9%	56.9%	56.9%	56.9%	23.2%	23.2%	23.2%	23.2%	23.2%
[14]	STa2	FN649418	72.2%	71.2%	71.7%	71.2%	72.6%	72.2%	73.5%	73.1%	73.5%	74.4%	74.0%	72.6%	72.2%		98.6%	100.0%	91.7%	90.3%	91.7%	91.7%	90.3%	26.1%	23.2%	23.2%	23.2%	23.2%
[15]	STa2	APXK	71.7%	70.8%	71.2%	70.8%	72.2%	71.7%	73.1%	72.6%	73.1%	74.0%	73.5%	72.2%	71.7%	99.5%		98.6%	90.3%	88.9%	90.3%	90.3%	88.9%	24.6%	23.2%	23.2%	23.2%	23.2%
[16]	STa2	AELD	72.6%	71.7%	72.2%	71.7%	73.1%	72.6%	74.0%	73.5%	74.0%	74.9%	74.4%	73.1%	72.6%	99.5%	99.1%		91.7%	90.3%	91.7%	91.7%	90.3%	26.1%	23.2%	23.2%	23.2%	23.2%
[17]	STa3	CP006002	70.3%	69.4%	69.9%	70.3%	70.8%	70.8%	71.7%	72.2%	71.7%	72.6%	72.2%	71.7%	71.2%	95.0%	94.5%	94.5%		97.2%	98.6%	98.6%	97.2%	27.5%	27.5%	27.5%	27.5%	27.5%
[18]	STa3	M34916	69.9%	69.0%	69.4%	69.9%	70.3%	70.3%	71.2%	71.7%	71.2%	72.2%	71.7%	71.2%	70.8%	95.0%	94.5%	94.5%	99.1%		98.6%	98.6%	97.2%	29.0%	29.0%	29.0%	29.0%	29.0%
[19]	STa3	CP000795	69.9%	69.0%	69.4%	69.9%	70.3%	70.3%	71.2%	71.7%	71.2%	72.2%	71.7%	71.2%	70.8%	95.4%	95.0%	95.0%	99.5%	99.5%		100.0%	98.6%	29.0%	29.0%	29.0%	29.0%	29.0%
[20]	STa3	APZN	69.4%	68.5%	69.0%	69.4%	69.9%	69.9%	70.8%	71.2%	70.8%	71.7%	71.2%	70.8%	70.3%	95.0%	94.5%	94.5%	99.1%	99.1%	99.5%		98.6%	29.0%	29.0%	29.0%	29.0%	29.0%
[21]	STa3	APWZ	69.0%	68.0%	68.5%	69.0%	69.4%	69.4%	70.3%	70.8%	70.3%	71.2%	70.8%	71.2%	70.8%	94.5%	94.1%	94.1%	98.6%	98.6%	99.1%	99.5%		29.0%	29.0%	29.0%	29.0%	29.0%
[22]	STb2	AFDR	41.0%	40.0%	41.4%	40.5%	41.4%	41.0%	40.0%	40.5%	40.5%	40.5%	40.0%	41.0%	41.0%	44.3%	43.8%	44.8%	44.3%	44.8%	44.8%	45.2%	45.2%		83.1%	81.7%	81.7%	83.1%
[23]	STb1	LBBN	41.4%	40.5%	41.9%	41.9%	41.9%	40.5%	40.5%	41.0%	41.0%	41.0%	40.5%	41.4%	41.4%	45.2%	44.8%	44.8%	46.2%	46.7%	46.7%	47.1%	47.1%	84.3%		97.2%	97.2%	98.6%
[24]	STb1	AJ555214	41.0%	40.0%	41.4%	41.4%	41.4%	40.0%	40.0%	40.5%	40.5%	40.5%	40.0%	41.0%	41.0%	45.2%	44.8%	44.8%	46.2%	46.7%	46.7%	47.1%	47.1%	83.3%	99.1%		97.2%	98.6%
[25]	STb1	AFAB	41.0%	40.0%	41.4%	41.4%	41.4%	40.0%	40.0%	40.5%	40.5%	40.5%	40.0%	41.4%	41.4%	44.8%	44.3%	44.3%	45.7%	46.2%	46.2%	46.7%	46.7%	83.3%	99.1%	99.1%		98.6%
[26]	STb1	JZXA	41.4%	40.5%	41.9%	41.9%	41.9%	40.5%	40.5%	41.0%	41.0%	41.0%	40.5%	41.4%	41.4%	45.2%	44.8%	44.8%	46.2%	46.7%	46.7%	47.1%	47.1%	83.8%	99.5%	99.5%	99.5%	

Figure S1. Pairwise similarity matrix of the STa/STb sequences analyzed in this study.

This matrix was generated by calculating the pairwise proportion distances in MEGA3 and then converting the resulting differences (p) to similarities (1-p).

Values are color-coded from high to low on a green to red scale; nucleotide values are below the diagonal and amino acid values are above.