

Table S1: Reference strains of *H. parasuis* from the IHA serotyping scheme, which were used for the optimisation of the serotyping multiplex.

Strain Name	LoLa ID	Clinical background	Serovar by IHA	Country of origin
<b>No.4</b>	HS371	Non-clinical	1	Unknown
<b>SW140-Den</b>	HS372	Non-clinical	2	Japan
<b>SW114-Den</b>	HS373	Non-clinical	3	Japan
<b>SW124</b>	HS374	Non-clinical	4	Japan
<b>Nagasaki-Den</b>	HS375	Unknown	5	Switzerland
<b>131</b>	HS376	Non-clinical	6	Switzerland
<b>174-Den</b>	HS377	Unknown	7	Sweden
<b>C5-Den</b>	HS378	Unknown	8	Sweden
<b>D74-Den</b>	HS379	Unknown	9	Germany
<b>H555</b>	HS370	Unknown	10	Japan
<b>H465-Den</b>	HS380	Unknown	11	Germany
<b>H425</b>	HS381	Clinical	12	Germany
<b>IA-84-17975-Den</b>	HS382	Unknown	13	USA
<b>IA-84-22113</b>	HS306	Clinical	14	USA
<b>SD-84-15995</b>	HS301	Clinical	15	USA

Figure S1: Gene composition of the capsule loci for the fifteen reference strains with potential serovar specific genes highlighted and the final chosen genes (adapted from Howell et al. 2013).

