

## Electronic Supplementary Material

### The Novel PRRSV Strain HBap4-2018 with a Unique Recombinant Pattern is Highly Pathogenic to Piglets

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**Table S1** Primers used in this study

Names of primer	Sequence	Length (bp)
<i>ORF7</i>	TGCTAGGCCGCAAGTACATTCTG TCAATCAGTGCCATTCACCAC	647
<i>Nsp2</i>	ATGTTGTGCTTCCTGGGGTTG CTTGACAGGGAGCTGCTTGA	1021 (Classical PRRSV) 931 (HP-PRRSV) 628 (NADC30-like PRRSV)
Fragment A	GAATTCATGACGTATAGGTGTTGGCTCT CATGGCGAATTTCTTTGTA CTG	1036 (1–1036)
Fragment B	GTGTCTCCATGCGGGTTGAGTA GGTGCGTCAGCGTTGTTGTC	1997 (932–2928)
Fragment C	TTCGGAAGAAACTGTCGGTG GACCACAGTTCTAGCCGTAATCC	1749 (2769–4517)
Fragment D	TGAGATCGCCTTCAACGTGTTT GCAACCAAGGGCGTCCAG	1885 (4320–6204)
Fragment E	TGGCGGAGTGTTCACTATTGAC CGCCGGAGATCAAGACATCTATAAG	2239 (5592–7830)
Fragment F	GTGGAGCAAGCCCTTGGTATGA ATGGTCTGGTGAGTTGGCGTGTA	2547 (7580–10126)
Fragment G	AGGTGTTAGAACAAGTCCCGTAT GCCTGAGAGACCACGAAA	3469 (9815–13283)
Fragment H	TGCAAGCTACGCCTCATACATC TTAATTACGGCCGCATGGTTCT	3366 (11637–15003)

**Table S2** PRRSV reference strains used in this study

Virus strain	Origin	Time	No
15LN1	China	2016	KX815423
15LY01-FJ	China	2015	KU215416
15LY02-FJ	China	2015	KU215417
BJ-4	China	1996	AF331831
CH-1a	China	1996	AY032626
CH-1R	China	2008	EU807840
CH2002	China	2009	EU880438
CHsx1401	China	2014	KP861625
FJ1402	China	2014	KX169191
FJFS	China	2012	KP998476
FJM4	China	2017	KY412888
FJW05	China	2013	KP860911
FJWQ16	China	2017	KX758249
FJZ03	China	2015	KP860909
GDBY1	China	2008	GQ37442
GDSG	China	2015	KX621003
GM2	China	2011	JN662424
GS2002	China	2009	EU880441
GS2003	China	2003	EU880442
GX1003	China	2010	JX912249
HB-1/3.9c	China	2002	HQ233605
HB-2(sh)/2002	China	2001	AY262352
HeN1601	China	2016	MF766474
HeNan-A9	China	2014	KJ546412
HENAN-HEB	China	2013	KF416334
HENAN-XINX	China	2013	KF611905
HH08	China	2011	JX679179
HK15	China	2013	KF287142
HN1	China	2003	AY457635
HNjZ15	China	2015	KT945017
HNyc15	China	2015	KT945018
HUB1	China	2006	EF075945
HuN4	China	2006	EF635006
HZ-31	China	2012	KC445138
JL580	China	2015	KR706343
JX	China	2010	JX317649
JXA1	China	2006	EF112445
JXA1-P120	China	2009	KC422727
JXA1-P80	China	2008	FJ548853
JXwn06	China	2016	EF641008
LV	Netherlands	1993	M96262
MN184A	USA	2006	DQ176019
MN184B	USA	2006	DQ176020
MN184C	USA	2006	EF488739
NADC30	USA	2008	JN654459
NADC31	USA	2008	JN660150
PRRSV01	China	2008	FJ175687
QY2010	China	2010	JQ743666
QYYZ	China	2011	JQ308798
RespPRRS MLV	USA	1994	AF066183
SCya18	China	2018	MK144543

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SD1-100	China	2009	GQ914997
SD-CXA/2008	China	2009	GQ359108
TJ	China	2006	EU860248
TJnh1501	China	2015	KX510269
WUH1	China	2007	EU187484
YN2008	China	2016	EU880435
YN-2011	China	2011	JX857698
YN9	China	2008	GU232738
VR2332	USA	1992	U87392
HBap4-2018	China	2018	MZ579701

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