

Table 2 The comparison of the multiplex RT-PCR and the conventional RT-PCR by testing 25 clinical samples

Origin	Assay result			
	M	C	Sequence analysis	Virus isolation
Lung of a dead pig from GSLZ region	+	+	Confirmed	+
Serum of a weaned piglet from GSLZ region	+	+	Confirmed	-
Blood of a dead pig from GSJT region	+	+	Confirmed	-
Lung of an articulo mortis pig from GXYL region	+	+	Confirmed	+
Lung of a dead pig from NXZW region	+	+	NS	+
Heart of a dead pig from NXZW region	+	+	Confirmed	-
Liver of a dead pig from NXZW region	+	-	Confirmed	-
Spleen of a dead pig from NXZW region	-	-	Confirmed	-
Kidney of a dead pig from NXZW region	-	-	NS	-
Blood of a dead pig from NXZW region	+	-	Confirmed	+
Lung of a weaned piglet from NXPL region	+	+	Confirmed	+
Heart of a dead pig from NXPL region	+	+	Confirmed	-
Liver of a dead pig from NXPL region	-	-	NS	-
Spleen of a dead pig from NXPL region	+	-	Confirmed	-
Kidney of a dead pig from NXPL region	-	-	NS	-
Blood of an articulo mortis pig from NXPL region	+	-	Confirmed	-
Blood of an articulo mortis pig from NXQTX region	+	+	Confirmed	-
Spleen of a dead pig from NXQTX region	-	-	NS	-
Lung of a dead pig from NXQTX region	+	+	Confirmed	+
Lung of a dead pig from NXYCH region	+	+	Confirmed	+
Serum of a dead pig from NXYCH region	+	+	Confirmed	-
Blood of an articulo mortis pig from NXYCH region	+	+	Confirmed	+
Lung of a dead pig from NXHY region	+	+	Confirmed	+
Lung of a dead pig from NXYCH region	+	+	Confirmed	+
Blood of an articulo mortis pig from NXYCH region	-	-	NS	-

Note: M: Multiplex RT-PCR; C: Conventional sRT-PCR; \* +: Positive; -: Negative; "NS": Not sequenced; "Confirmed" means the sequence analysis proved; GSLZ is abbreviated from Gansu Lanzhou; GSJT is abbreviated from Gansu Jinta; GXYL is abbreviated from Gangxi Yulin; NXZW is abbreviated from Ningxia Zhongwei; NXPL is abbreviated from Ningxia Pingluo; NXQTX is abbreviated from Ningxia Qingtongxia; NXYCH is abbreviated from Ningxia Yingchuan; NXHY is abbreviated from Ningxia Heying