

Supplementary Table S1: Conserved regions of ORF2

Seventeen conserved regions in ORF2 of HEV

GQPSGRRRGRRSGG	22
GGGFWGDRVDSQPFA	37
PYIHPTNPFA	54
RPLGSAWRDQ	80
PVPDVDSRGAILRRQYNLSTSPLTS	120
GTNLVLYAAPL	149
PLLPLQDGTNTHIMATEASNYAQYRV	161
ATIRYRPLVPNAVGGYAISISFWPQTTTTPTSVDMSITSTDVRILVQPGIAS	188
ELVIPSERLHYRNQGWRSVET	
GVAEEEEATSGLVMLCIHGSPVNSYTNTPYTGALGLLDFALELEFRNLTPGN	264
TNTRVSRV	
DGTAELTTAATRFMKDL	335
GIALTLFNLADTLLGGLPTELISSAGGQLFYSRPVVSANGEPTVKLYTSVEN	366
AQQDKGI	
RVVIQDYDNQHEQDRPTSPAPSRPFSVLRANDVLWLSLTAAEYDQ	436
KVTLDGRPL	517
TIQQYSKTF	527
VLPLRGKLSFWEAGTTKAGYPYNYNTTASDQ	537
DYPARAHTFDDFCPECR	614
AELQRLKMKVGKTRE	644

Supplementary Table S2: Search theme: Words for data mining antigenic regions of HEV

HEV antigenic epitope
HEV epitopes
Immunogenic regions of HEV
Vaccine regions of HEV
Experimentally validated epitopes of HEV
Position of epitopes in HEV