Supplementary Table 8: Resistance-associated as changes in DNA pol gene of HSV-2 including nt changes, their location, antivirals tested as well as results, methods for phenotypic testing and references.

Amino acid change	Nucleotide change	Domain	Antivirals tested		Drug susceptibility (EC $_{80}$ ratio of resistant to sensitive viral isolate or EC $_{80}$ value)						
			resistant	sensitive	Aciclovir (ACV)	Brivudin (BVDU)	Penciclovir (PCV)	Foscarnet (FOS)	Cidofovir (CDV)	Test methods for phenotype	References
E250Q	G748C	non-conserved region (NH2-terminal domain)	ACV	FOS	EC ₉₀ 44.0 μM	not tested	not tested	EC ₉₀ <660.0 μM	not tested	plaque reduction assay	14670581
D307N	G919A	non-conserved region (NH2-terminal domain)	ACV	FOS	EC ₅₀ 9.0 μM	not tested	not tested	EC ₅₀ 85.1 μM	not tested	plaque reduction assay	24075863
insertion (ED) aa 684-685	insertion (GAAGAC) nt 2050- 2055	non-conserved region	ACV	FOS	EC ₉₀ 16.7 μM	not tested	not tested	not given	not tested	modified dye uptake assay including formazan test	26338148
A724T	G2170A	conserved region II (palm domain)	FOS, CDV	ACV	EC ₅₀ 2.7 μM	not tested	not tested	EC ₅₀ 238.6 μM	EC ₅₀ 20.7 μM	plaque reduction assay	10395866
A724V	C2171T	conserved region II (palm domain)	ACV	FOS	EC ₅₀ 24.0 μM	not tested	not tested	EC ₅₀ 92.0 μM	not tested	plaque reduction assay	20733037
S725G	A2173G	conserved region II (palm domain)	FOS		not tested	not tested	not tested	not given	not tested	plaque reduction assay	12367650
S729N	G2186A	conserved region II (palm domain)	FOS, CDV	ACV	EC ₅₀ 8.4 μM	not tested	not tested	EC ₅₀ 451.1 μM	EC ₅₀ 94.3 μM	plaque reduction assay	10395866
Q732R	C2194A	conserved region II (palm domain)	ACV, FOS		EC ₅₀ >50.0 μM	not tested	not tested	EC ₅₀ >330.0 μM	not tested	plaque reduction assay	24075863
L783M	C2347A	conserved region VI (fingers domain)	FOS, CDV	CDV	EC ₅₀ 2.2 μM	not tested	not tested	EC ₅₀ 538.6 μM	EC ₅₀ 128.8 μM	plaque reduction assay	10395866
D785N	G2353A	conserved region VI (fingers domain)	FOS, CDV	ACV	EC ₅₀ 4.4 μM	not tested	not tested	EC ₅₀ 280.8 μM	EC ₅₀ 46.2 μM	plaque reduction assay	10395866
Q829R	C2485A	conserved region III (palm domain)	ACV	FOS	EC ₅₀ 9.1 μM	not tested	not tested	EC ₅₀ 71.0 μM	not tested	plaque reduction assay	24075863
L850I	C2548A	non-conserved region (palm domain)	FOS, CDV	ACV	EC ₅₀ 2.6 μM	not tested	not tested	EC ₅₀ 698.9 μM	EC ₅₀ 19.2 μM	plaque reduction assay	10395866
M910T	T2729C	non-conserved region (palm domain)	ACV	FOS	EC ₅₀ >35.2 μM	not tested	not tested	not given	not tested	modified dye uptake assay including formazan test	26338148
D912N	G2734A	non-conserved region (palm domain)	ACV	FOS	EC ₉₀ 443.8 μM	not tested	not tested	EC ₉₀ <660.0 μM	not tested	plaque reduction assay	14670581 10817703
D912V	A2735T	non-conserved region (palm domain)	ACV, FOS	CDV	EC ₉₀ 298.3 μM	not tested	not tested	EC ₉₀ 415.1 μM	EC ₉₀ 13.7 μM	plaque reduction assay	10395866
A915V	C2744T	non-conserved region (palm domain)	ACV	FOS	EC ₅₀ >50.0 μM	not tested	not tested	EC ₅₀ 214.5 μM	not tested	plaque reduction assay	24075863