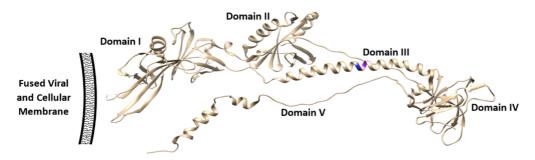
Supplementary Methods

Primer Sequences for Thymidine Kinase (UL23) and DNA Polymerase (UL30) Amplification

Thymidine Kina HSV-1	ise			
	F	AACACCCGTGCGTTTTATTC		
	r R		AAGGTGACGCGTGTGG	
HSV-2	11	AIAIIA	and did according to	
1134-2	F	ACACACCACACGACAACAATG		
	•			
	R	CGAGG	TCCACTTCGCATATT	
5.14.5.1				
DNA Polymeras HSV-1	se			
	Set 1			
		F	TTTAACTGTACGGCGGACAAC	
		R	GTGAGCCTTGACGAAGAACAG	
	Set 2			
		F	ATTAACATCACCCGCACCAT	
		R	TCTTACCCCCGTAGATGACG	
	Set 3			
	5015	F	CACGGACTCCATATTTGTGCT	
		R	TCTATGCAACATTCGACGAGTT	
HSV-2		.,	Territ der titet in Teer teer territ	
113	Set 1			
	5001	F	GCACGCGGCAGTACTTTTAC	
		-	AAGTTATCGCACAGGTAGGC	
	6 . 2	R	AAGTTATCGCACAGGTAGGC	
	Set 2	_		
		F	GCGAGTATTGTGTGCAGGACT	
		R	ATAAACGCGCAGTTGTTTTTG	



Supplementary Figure S1. Postfusion protein conformation of glycoprotein B of HSV-1. Residue 527 (V) is shown in blue and residue 529 (I) is shown in purple. The protein is divided in five structural domains. Residues 527 and 529 are within Domain III of glycoprotein B, which is thought to be important in the binding of three glycoprotein peptides together to form the active trimer. The location of the fused viral and cellular membrane relative to the different domains of the postfusion protein is indicated.

List of Genes in HSV with Known HSV-1 x HSV-2 Recombination Events				
Gene	Protein Product			
UL15	DNA packaging terminase subunit 1			
UL17	DNA packaging tegument protein			
UL27	Glycoprotein B			
UL28	DNA packaging terminase subunit 2			
UL29	Single-stranded DNA-binding protein			
UL30	DNA polymerase			
UL31	Nuclear egress lamina protein			
UL32	DNA packaging protein			
UL39	Ribonucleotide reductase large subunit			
UL47	Tegument protein VP13/14			
UL48	Transactivating tegument protein VP16			
UL49	Tegument protein VP22			
UL49A	Glycoprotein N			
UL50	Deoxyuridine triphosphatase			

Supplementary Table S1: HSV genes with known HSV-1 x HSV-2 recombination events.