

Table S2
Most Represented Proteins (≥ 10 Hits) on the GOS Myovirus Scaffolds

Protein	Hits
<i>Virion Proteins</i>	
gp7 baseplate wedge initiator	48
gp20 portal vertex protein of head	36
gp18 tail sheath protein	33
gp6 baseplate wedge subunit	27
gp21 prohead core scaffold protein and protease	27
gp19 tail tube protein	25
gp22 prohead core scaffold protein	24
gp8 baseplate wedge subunit	22
gp13 neck protein	21
gp14 neck protein	21
gp15 tail sheath stabilizer and completion protein	20
gp23 major head protein	20
gp25 baseplate wedge subunit	19
gp26 baseplate hub subunit	19
P-SSM2 ORF033 tail fiber protein	18
gp4 head completion protein	17
gp48 baseplate tail tube cap	17
gp53 baseplate wedge subunit	17
P-SSM2 ORF113 virion protein	17
gp3 tail completion and sheath stabilizer protein	16
gp5 baseplate hub subunit and tail lysozyme	15
gp2 DNA end protector protein	13
gp51 baseplate hub assembly catalyst	13
P-SSM2 ORF018 virion protein	13
<i>Replication/Recombination Proteins</i>	
gp17 DNA terminase, large subunit	28
uvsW RNA-DNA and DNA-DNA helicase, ATPase	24
gp46 recombination endonuclease subunit	19
gp47 recombination endonuclease subunit	19
gp55 sigma factor for T4 late transcription	18
gp43 DNA polymerase	17
gp16 DNA terminase, small subunit	15
gp61 DNA primase subunit	14
gp62 clamp loader subunit	14
nrdA aerobic NDP reductase, large subunit	14
regA translational repressor protein	14
uvsY recombination, repair and ssb	14
S-PM2 ORF101 putative phage endonuclease	13
uvsX RecA-like recombination protein	12
gp41 DNA primase-helicase subunit	11
<i>Stress/Metabolism Proteins</i>	
cobS cobalamin biosynthesis	11
hsp20 small heat-shock protein	10
phoH phosphate stress-induced protein	10