

Gene Name	Ranavirus			Ranavirus		Lymphocystivirus		Iridovirus	Chloriridovirus	Megalocytivirus		
	FV3	TFV	ATV	SGIV	GIV	LCDV-1	LCDV-C	IIV-6	IIV-3	ISKNV	RBIV	OGIV
N System amino acid transporter				5L	114L					1L	1L	1L
ICP-46	5R	6R									77R	79R
Unknown ATV p04	4R	5R	4R	15L	1.5L							
Unknown ATV p08	10R	10R	8R	59L	35.5L							
Unknown	11R	11R	88L	103R	70R							
Unknown (ATV-p88)	14R	15R	84L	135L	90.5L							
SGIV-ORF043R	17L	18L	81R	43R	23R							
Unknown (ATV-p55/p56)	23R, 24R	23R, 24R	53R, 54R	4L,89L,90L,91L,92L,93L,147L	113L,60L, 61L, 62L,63L,64L,98L							
Unknown	31R	32R	60R	14L	1.3L							
SGIV-ORF009L	34R	35.5R	62.5R	9L	118L							
Unknown	43.5L*	46L	70L	20L	5L							
Unknown (ATV-p63)	46L	48L	72L	22L	7L							
Unknown	47L	49L	73L	24L	8L							
ATV-p78	48L	50L	74L	71R	44R							
Unknown	59L	62L	45R	123L	83L							
dUTPase	63R	68R	42L	49L	28L							
CARD like caspase	64R	69.5R	40L	48L	27L							
Unknown	69R	74R	35L	143L	94L							
Unknown	74L	79L	30R	137R	92R							
Unknown	75L	80L	29R	136R	91R							
FV-3 orf 76R	76R	81R	28L	119R	80.5R							
ATV-p79	89R	95R	15L	71R	44R							
Unknown	78L	83L		122L	82L							
ATPase-dependent protease	79R	84R	26L	83R	54R							
ICP-46	82R	87R	23L	86R	57R							
Unknown	70R	75R	34.5L	139R	92.5R							
Unknown	18L	18.5L	80.5R	42R								
Unknown	3R	4R	3R	16L	2L			229L	97L			
Helicase	55L	56L	50R	152R	102R			161L	108L, 109L			
Unknown	32R	33R	61R	12L	120.5L	161R	033R					
Unknown	33R	34R	62R	11L	119L	113L	023R					
Unknown	45L	47L	71L	21L	6L	36R	012R					
ATV-p79	49L,50L	51L,52L	75L	25L	9L	110L	062R					
AcetylCoA Hydrolase	51R	53R	76R	26R	10R	48R	161L					
3β-hydroxy-Δ5-C27 steroid oxidoreductase	52L	54L	52R	3R	111R	153L	003R					
NTPase-helicase like	73L	78L	31R	146L	97L	107R	143R					
Unknown	96R	103R	89R	111R	74R	193L	039R					
Unknown	77L	82L	27R	120L	81L	32R	009L					
Unknown	87L	93L	17R	69L	42L	39R	29R					
Putative myeloid cell leukemia protein	97R	104R	90R	115R	78R		189R					
Serine-threonine protein kinase	2.5L	2.5L	2L	18R	3R	93R	150R					
Cytosine DNA Methyltransferase	83R	89R	21L			5L	086L			46L	46L	48L
Unknown	20R	20R	79L	38L	20L	194R	073R	117L	107R			
Ribonucleotide reductase α subunit	38R	41R	65R	64R	39R	176L	172L	85L	65R			
Unknown	28R	30R	59R	160L	107L	90R	147L	454R	92R			
Collagen-like	65L, 66L	70.5L	38.5R	7L,8L,45L,46L, 55R, 56R,112R	116L,117L,24L, 25L,33R,34R,75R	63L	154R, 216L	438L				
Unknown	58.5R	61R	46L	157R	106R	167L		170L				
Unknown early	25R	25R	55R	6R	115R	122R	034L		7R	117L	111L	114L
Tumor necrosis factor receptor				50L, 51L, 96R	29L, 30L, 65R		016L, 95R					
Unknown				75R	48R	185R	053L					
Unknown				140R+141R	93R	190L	237L					
Unknown				148R	99R	59L	157R					
Papain like proteinase						43R	224L	224L, 361L	24R			
Antimutator GFP pyrophosphohydrolase						22R	221R	30L, 414L	111R			
Thymidylate synthase							011L	225R				
Evr-1/Alr-like thiol oxidoreductase						81R	149R	347L, 453L	96R, 41R			