

## SEQUENCE LISTING

<110> Wageningen Universiteit en Researchcentrum

<120> infection inhibitor

<130> 2008.014

<160> 2

<170> PatentIn version 3.2

<210> 1

<211> 2907

<212> DNA

<213> white spot syndrome virus

<220>

<221> CDS

<222> (1)..(2907)

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Asn Glu Lys Leu Arg Gln Glu Arg Ile Tyr Arg Leu Lys Met Ser Glu	
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cct tca gtt tat gct ttt att gac ata aaa gaa ata gaa aat ggt tgg	144
Pro Ser Val Tyr Ala Phe Ile Asp Ile Lys Glu Ile Glu Asn Gly Trp	
35 40 45	

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Glu Lys Glu Phe Gly Leu Leu Val Gln Pro Gly Gln Lys Leu Ala Pro	
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Phe Arg Asp Ile Ser Tyr Asp Ser Ser Lys Leu Asp Cys Asp Ala Phe	
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Ser Cys Ile Pro Ser Asp Ile Leu His Ser Asp Asn Glu Lys Arg Val	
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gga gag tgc aac ttt gcc gaa cac acc tct gtc tca ttt cct gtc aag	336
Gly Glu Cys Asn Phe Ala Glu His Thr Ser Val Ser Phe Pro Val Lys	
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aac cct gag gga aaa aca ttg cgc cat ttc acg gca tgt ggt cca ggg	384
Asn Pro Glu Gly Lys Thr Leu Arg His Phe Thr Ala Cys Gly Pro Gly	
115 120 125	

tgt tac cgg agg tac aag caa aga gac ccc cat act ggt ttg cca gta	432
Cys Tyr Arg Arg Tyr Lys Gln Arg Asp Pro His Thr Gly Leu Pro Val	
130 135 140	

gcc aga ggc gtc ctg atg caa gat cac gtt gac cat gaa act gga aat	480
Ala Arg Gly Val Leu Met Gln Asp His Val Asp His Glu Thr Gly Asn	
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aaa atg tgt gaa tat ctg aac cag agc tta gtc atg tgg gct gct gtc	528
Lys Met Cys Glu Tyr Leu Asn Gln Ser Leu Val Met Trp Ala Ala Val	
165 170 175	

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Glu Lys Lys Glu Glu Gly Ala Arg Lys Ser Lys Ile Asp Phe Leu Gln	725	730	735	
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Lys Tyr Phe His Ser Thr Pro Leu Met Gly Lys Lys Ser Lys Phe Val	740	745	750	
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Tyr Ile Gln Glu Ala Ala Gln Glu Tyr Leu Gly Gly Arg Thr Met Asn	755	760	765	
gct ttt ggg cag cgt ata ata aca gct gct gat gat agt gac acc acc				2352
Ala Phe Gly Gln Arg Ile Ile Thr Ala Ala Asp Asp Ser Asp Thr Thr	770	775	780	
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Thr Thr Thr Gln Glu Gly Arg Arg Asp Asp Glu Thr Val Thr Lys Lys	785	790	795	800
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Met Arg Ser Ile Ile Leu Glu Thr Gly Gln Thr Leu Lys Asp Tyr Ser	805	810	815	
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Ser Ala Val Asn Tyr Asn Ala Ser Arg Leu Asp Tyr Val Gly Glu Glu	820	825	830	
tgg gta aga aat act gcc cta aaa gaa gag aca agg agc aac act act				2544
Trp Val Arg Asn Thr Ala Leu Lys Glu Glu Thr Arg Ser Asn Thr Thr	835	840	845	
agt gat aac cta ttc aag aaa act gtt tct ctt gct agt atg gcc gcc				2592
Ser Asp Asn Leu Phe Lys Lys Thr Val Ser Leu Ala Ser Met Ala Gly	850	855	860	
gca ttt ctg gtt cta gga ata ggt gta ttg gta gcg tcc cat att aca				2640
Ala Phe Leu Val Leu Gly Ile Gly Val Leu Val Ala Ser His Ile Thr	865	870	875	880
ctt tta cgt ttc acc aat att ggt cta gct ttt gcg ttc gca ggt ctc				2688
Leu Leu Arg Phe Thr Asn Ile Gly Leu Ala Phe Ala Phe Ala Gly Leu	885	890	895	
cta gca ttt att gca ctt atg agt ata tca tat ata aac atg aat gct				2736
Leu Ala Phe Ile Ala Leu Met Ser Ile Ser Tyr Ile Asn Met Asn Ala	900	905	910	
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Met Gly Val Val Asn Ser Asp Ala Ile Tyr Arg Ser Thr Ala Leu Val	915	920	925	
gga gat atc aaa aca gac ccc aga aga gta gga atg gtc cag cgc cac				2832
Gly Asp Ile Lys Thr Asp Pro Arg Arg Val Gly Met Val Gln Arg His	930	935	940	
gta ggt gtc ggg gct aaa tac aac atg att aca gat ttc gtc tct cca				2880
Val Gly Val Gly Ala Lys Tyr Asn Met Ile Thr Asp Phe Val Ser Pro	945	950	955	960
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Met Leu Asp Glu Ile Glu Ser Asp	965			

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<212> PRT
<213> white spot syndrome virus

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Pro Ser Val Tyr Ala Phe Ile Asp Ile Lys Glu Ile Glu Asn Gly Trp
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Glu Lys Glu Phe Gly Leu Leu Val Gln Pro Gly Gln Lys Leu Ala Pro
50          55          60

Phe Arg Asp Ile Ser Tyr Asp Ser Ser Lys Leu Asp Cys Asp Ala Phe
65          70          75          80

Ser Cys Ile Pro Ser Asp Ile Leu His Ser Asp Asn Glu Lys Arg Val
85          90          95

Gly Glu Cys Asn Phe Ala Glu His Thr Ser Val Ser Phe Pro Val Lys
100         105         110

Asn Pro Glu Gly Lys Thr Leu Arg His Phe Thr Ala Cys Gly Pro Gly
115         120         125

Cys Tyr Arg Arg Tyr Lys Gln Arg Asp Pro His Thr Gly Leu Pro Val
130         135         140

Ala Arg Gly Val Leu Met Gln Asp His Val Asp His Glu Thr Gly Asn
145         150         155         160

Lys Met Cys Glu Tyr Leu Asn Gln Ser Leu Val Met Trp Ala Ala Val
165         170         175

Pro Trp Ile Arg Pro Gly Asp Leu Thr Glu Gly Tyr Asn Thr Thr His
180         185         190

Val Pro Gly Phe Ala Phe Lys Glu Asp Asp Glu Arg Asp Ser Lys Arg
195         200         205

Val Lys Tyr Glu Asn Val Val Ile Ser Lys Ala Tyr Cys Asp Phe Phe
210         215         220

Lys Gln Tyr Tyr Asp Ala Asp Ser Gly Ser Cys Tyr Arg Ser Gly Trp
225         230         235         240

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Met Lys Phe Val His Leu Met Phe Gly Gln Tyr Phe Thr Asn Leu Ser  
 245 250 255

Tyr Asn Leu Ala Asn Pro Lys Pro Tyr Asn Leu Thr Gly Asn Ala Trp  
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Ser Asp Val Val Ser Val Leu Thr Asp Asn Pro Ile Val Asp Ala Gly  
 275 280 285

Ala Ala Pro Ser Arg Ser Glu Met Asp Glu Ile Ile Thr Lys Lys Lys  
 290 295 300

Phe Asn Val Phe Pro Ser Glu Gln Thr Ser Ala Arg Gln Lys Ala Glu  
 305 310 315 320

Asn Ile Ile Arg Ser Gln Tyr Gly Asp Gly Val Glu Ile Asp Pro Ser  
 325 330 335

Ser Val Asp Ala Leu Met Gln Phe Val Asn Arg Glu Gly Val Val Gly  
 340 345 350

Thr Glu Lys Lys Ser Asp Arg Leu Met Arg Val Ala Asp Ala Val Met  
 355 360 365

Asp Ala Ala Met Arg Leu Gln Val Met Gly Leu Asp Asp Ser Gln Ser  
 370 375 380

Arg Arg Leu Leu Leu Lys Asn Met Ile Lys Met Ser Arg Asn Asn Pro  
 385 390 395 400

Glu Tyr Ala Arg His Phe Ser Ser Ser Leu Lys Leu Ile Gly Val Thr  
 405 410 415

Leu Ala Ile Lys Arg Ser Val Phe Ser Lys Gly Ala Ser Ala Lys Arg  
 420 425 430

Lys Glu Thr Ala Ile Asn Asn Gly Glu Gln His Arg Arg Ser Arg Trp  
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Ser Pro Glu Thr Val Thr Glu Glu Asp Ala Leu Leu Phe Ala Arg Glu  
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Asn Ile Thr Glu Asp Pro Lys His Pro Ala Pro Phe Val Asp Ile Leu  
 465 470 475 480

His Ser Pro Asp Ile Asn Ser Ser Ile Lys Ser Gly Ser Ser Ser Ser  
 485 490 495

Ile Trp Asn Asp Ile Leu Ser Arg Ile Ser Ser Thr Arg Lys Leu Glu  
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Glu Lys Ala Ser Val Phe Val Lys Asn Leu Val Val Lys Val Val Arg  
 515 520 525  
 Gln Phe Leu Asp Ile Leu Glu Gly Lys Leu Phe Ser Asp Gly Tyr Glu  
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 Trp Asp Asp Asn Ile Pro Leu Met Ile Gly Val Asp Gln Ile Leu Arg  
 545 550 555 560  
 Glu Val Ile Lys Ala Ala Ser Asn Met Cys Ala Arg Phe Ala Ser Ser  
 565 570 575  
 Ala Leu Glu Ser Ser Leu Val Thr Gly Phe Ile Asp Ser Ala Ser Ala  
 580 585 590  
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 595 600 605  
 Phe Leu Glu Glu Ser Val Ile Glu Phe Val Val Ala Ala Ser Leu Arg  
 610 615 620  
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 625 630 635 640  
 Leu Thr Val Ile Gly Ile Val Ile Phe Val Ile Gln Val Leu Gly Leu  
 645 650 655  
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 Pro Glu Asp Leu Lys Lys Gln Val Leu Val Phe Arg Arg Glu Phe Ala  
 675 680 685  
 Lys Ala Gly Asn Val Asp Val Gly Val Ala Gln Pro Val Thr Pro Glu  
 690 695 700  
 Glu Ile Val Ala Ile Asn Val Phe Leu Gln Thr Glu Glu Asn Gly Glu  
 705 710 715 720  
 Glu Lys Lys Glu Glu Gly Ala Arg Lys Ser Lys Ile Asp Phe Leu Gln  
 725 730 735  
 Lys Tyr Phe His Ser Thr Pro Leu Met Gly Lys Lys Ser Lys Phe Val  
 740 745 750  
 Tyr Ile Gln Glu Ala Ala Gln Glu Tyr Leu Gly Gly Arg Thr Met Asn  
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 Ala Phe Gly Gln Arg Ile Ile Thr Ala Ala Asp Asp Ser Asp Thr Thr  
 770 775 780

Thr Thr Thr Gln Glu Gly Arg Arg Asp Asp Glu Thr Val Thr Lys Lys  
785 790 795 800

Met Arg Ser Ile Ile Leu Glu Thr Gly Gln Thr Leu Lys Asp Tyr Ser  
805 810 815

Ser Ala Val Asn Tyr Asn Ala Ser Arg Leu Asp Tyr Val Gly Glu Glu  
820 825 830

Trp Val Arg Asn Thr Ala Leu Lys Glu Glu Thr Arg Ser Asn Thr Thr  
835 840 845

Ser Asp Asn Leu Phe Lys Lys Thr Val Ser Leu Ala Ser Met Ala Gly  
850 855 860

Ala Phe Leu Val Leu Gly Ile Gly Val Leu Val Ala Ser His Ile Thr  
865 870 875 880

Leu Leu Arg Phe Thr Asn Ile Gly Leu Ala Phe Ala Phe Ala Gly Leu  
885 890 895

Leu Ala Phe Ile Ala Leu Met Ser Ile Ser Tyr Ile Asn Met Asn Ala  
900 905 910

Met Gly Val Val Asn Ser Asp Ala Ile Tyr Arg Ser Thr Ala Leu Val  
915 920 925

Gly Asp Ile Lys Thr Asp Pro Arg Arg Val Gly Met Val Gln Arg His  
930 935 940

Val Gly Val Gly Ala Lys Tyr Asn Met Ile Thr Asp Phe Val Ser Pro  
945 950 955 960

Met Leu Asp Glu Ile Glu Ser Asp  
965