

**Supplemental Material:**

**Protein Sequences of PmSLP from HS causing strains isolated from NVI-Ethiopia.**

>NVI\_HS12\_Sequence\_2019

MKYFDTKKSLPVLCSLLITACSGGGGGNNNVPHPPVEKRTVATTQQVAAKPTPPSESLVKRVLNSENPPS  
RESEKKASQTPPQTDSAQSTIQSTPAVIPDRNTSLTSKKGQIQMSPEWIGKEEKKYAQYSWEHTPESIPVFKLIE  
NNQYKYVDDKYFTLESINLNLTKENQVKEGSYQFSLDGSVYGHYSSNDGIHPEYNFVIAFDKNREYTLKDIT  
AEYYNSEGFNYAISDRMKGDIWQVGDVRLFYTNNGSVHGEIIEVNDGSKTALFRFENTADRNPQIVIVPER  
DNRHGLSPRGDRMIMDMHFINGSDGEKYKYVVGHGNSDRYYGTLFATKKDKE

>NVI\_HS11\_Sequence\_2019

MKYFDTKKSLPVLCSLLITACSGGGGGNNNVPHPPVEKRTVATTQQVAAKPTPPSESLVKRVLNSENPPS  
RESEKKASQTPPQTDSAQSTIQSTPAVIPDRNTSLTSKKGQIQMSPEWIGKEEKKYAQYSWEHTPESIPVFKLIE  
NNQYKYVDDKYFTLESINLNLTKENQVKEGSYQFSLDGSVYGHYSSNDGIHPEYNFVIAFDKNREYTLKDIT  
AEYYNSEGFNYAISDRMKGDIWQVGDVRLFYTNNGSVHGEIIEVNDGSKTALFRFENTADRNPQIVIVPER  
DNRHGLSPRGDRMIMDMHFINGSDGEKYKYVVGHGNSDRYYGTLFATKKDKE

>NVI\_HS10\_Sequence\_2019

MKYFDTKKSLPVLCSLLITACSGGGGGNNNVPHPPVEKRTVATTQQVAAKPTPPSESLVKRVLNSENPPS  
RESEKKASQTPPQTDSAQSTIQSTPAVIPDRNTSLTSKKGQIQMSPEWIGKEEKKYAQYSWEHTPESIPVFKLIE  
NNQYKYVDDKYFTLESINLNLTKENQVKEGSYQFSLDGSVYGHYSSNDGIHPEYNFVIAFDKNREYTLKDIT  
AEYYNSEGFNYAISDRMKGDIWQVGDVRLFYTNNGSVHGEIIEVNDGSKTALFRFENTADRNPQIVIVPER  
DNRHGLSPRGDRMIMDMHFINGSDGEKYKYVVGHGNSDRYYGTLFATKKDKE

>NVI\_HS7\_Sequence\_2019

MKYFDTKKSLPVLCSLLITACSGGGGGNNNVPHPPVEKRTVATTQQVAAKPTPPSESLVKRVLNSENPPS  
RESEKKASQTPPQTDSAQSTIQSTPAVIPDRNTSLTSKKGQIQMSPEWIGKEEKKYAQYSWEHTPESIPVFKLIE  
NNQYKYVDDKYFTLESINLNLTKENQVKEGSYQFSLDGSVYGHYSSNDGIHPEYNFVIAFDKNREYTLKDIT  
AEYYNSEGFNYAISDRMKGDIWQVGDVRLFYTNNGSVHGEIIEVNDGSKTALFRFENTADRNPQIVIVPER  
DNRHGLSPRGDRMIMDMHFINGSDGEKYKYVVGHGNSDRYYGTLFATKKDKE

>NVI\_HS5\_Sequence\_2019\_partial

MSPEWIGKEEKKYAQYSWEHTPESIPVFKLIENNQYKYVDDKYFTLESINLNLTKENQVKEGSYQFSLDGSVY  
YGHYSSNDGIHPEYNFVIAFDKNREYTLKDITAEYYNSEGFNYAISDRMKGDIWQVGDVRLFYTNNGSVHGE  
IIEVNDGSKTALFRFENTADRNPQIVIVPERDNRHGLSPRGDRMIMDMHFINGSDGEKYKYVVGHGNSDR  
YYGTLFATKKDKE

>NVI\_HS5\_Sequence\_2019

MKYFDTKKSLPVLCSLLITACSGGGGGNNNVPHPPVEKRTVATTQQVAAKPTPPSESLVKRVLNSENPPS  
RESEKKASQTPPQTDSAQSTIQSTPAVIPDRNTSLTSKKGQIQMSPEWIGKEEKKYAQYSWEHTPESIPVFKLIE  
NNQYKYVDDKYFTLESINLNLTKENQVKEGSYQFSLDGSVYGHYSSNDGIHPEYNFVIAFDKNREYTLKDIT  
AEYYNSEGFNYAISDRMKGDIWQVGDVRLFYTNNGSVHGEIIEVNDGSKTALFRFENTADRNPQIVIVPER  
DNRHGLSPRGDRMIMDMHFINGSDGEKYKYVVGHGNSDRYYGTLFATKKDKE

>NVI\_HS3\_Sequence\_2019

MKYFDTKKSLPVLCSLLITACSGGGGGNNNVPHPVVEKRTVATTQQVAAKPTPPSESLVKRVLNSENPPS  
RESEKKASQTPPQTDSAQSTIQSTPAVIPDRTNSLTSSKKGQIQMSPEWIGKEEKKYAQYSWEHTPESIPVFKLIE  
NNQYKYVDDKYFTLESINLNLTKENQVKEGSYQFSLDSGVVYGHYSSNDGIHPEYNFVIAFDKNREYTLKDIT  
AEYYNSEGFNYAISDRMKGDYIWQVGDVRLFYTNGSVHGEIIEVNDGSKTALFRFENTADRPNPNQIVIVPER  
DNRHGLSPRGDRMIMDMHFINGS DGEKYKYVVGHGNSDRYYGTLFATKKDKE

>NVI\_HS2\_Sequence\_2019

MKYFDTKKSLPVLCSLLITACSGGGGGNNNVPHPVVEKRTVATTQQVAAKPTPPSESLVKRVLNSENPPS  
RESEKKASQTPPQTDSAQSTIQSTPAVIPDRTNSLTSSKKGQIQMSPEWIGKEEKKYAQYSWEHTPESIPVFKLIE  
NNQYKYVDDKYFTLESINLNLTKENQVKEGSYQFSLDSGVVYGHYSSNDGIHPEYNFVIAFDKNREYTLKDIT  
AEYYNSEGFNYAISDRMKGDYIWQVGDVRLFYTNGSVHGEIIEVNDGSKTALFRFENTADRPNPNQIVIVPER  
DNRHGLSPRGDRMIMDMHFINGS DGEKYKYVVGHGNSDRYYGTLFATKKDKE

>NVI\_HS1\_Sequence\_2019

MKYFDTKKSLPVLCSLLITACSGGGGGNNNVPHPVVEKRTVATTQQVAAKPTPPSESLVKRVLNSENPPS  
RESEKKASQTPPQTDSAQSTIQSTPAVIPDRTNSLTSSKKGQIQMSPEWIGKEEKKYAQYSWEHTPESIPVFKLIE  
NNQYKYVDDKYFTLESINLNLTKENQVKEGSYQFSLDSGVVYGHYSSNDGIHPEYNFVIAFDKNREYTLKDIT  
AEYYNSEGFNYAISDRMKGDYIWQVGDVRLFYTNGSVHGEIIEVNDGSKTALFRFENTADRPNPNQIVIVPER  
DNRHGLSPRGDRMIMDMHFINGS DGEKYKYVVGHGNSDRYYGTLFATKKDKE