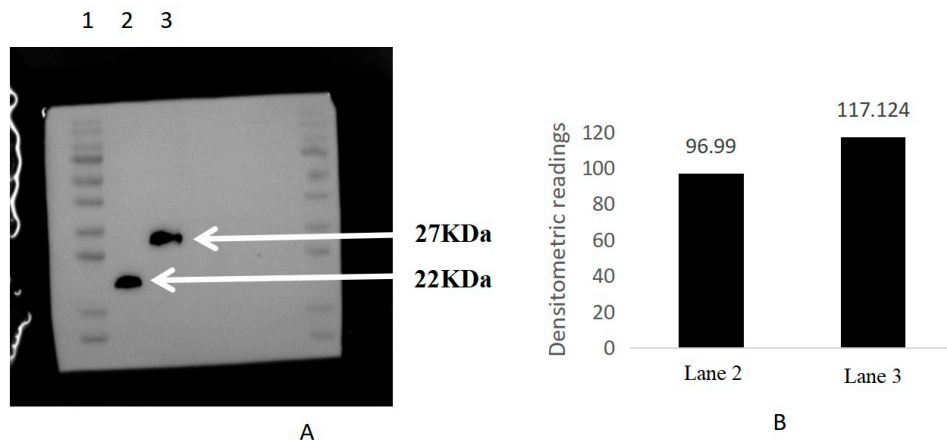


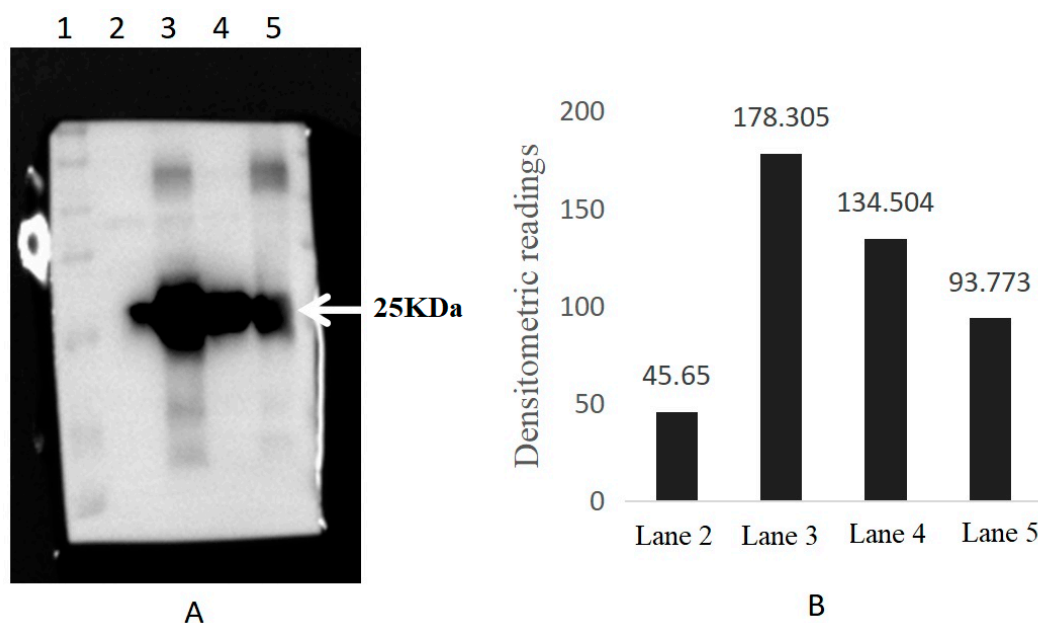
Supplemental Figure legend

Supplemental Figure 1



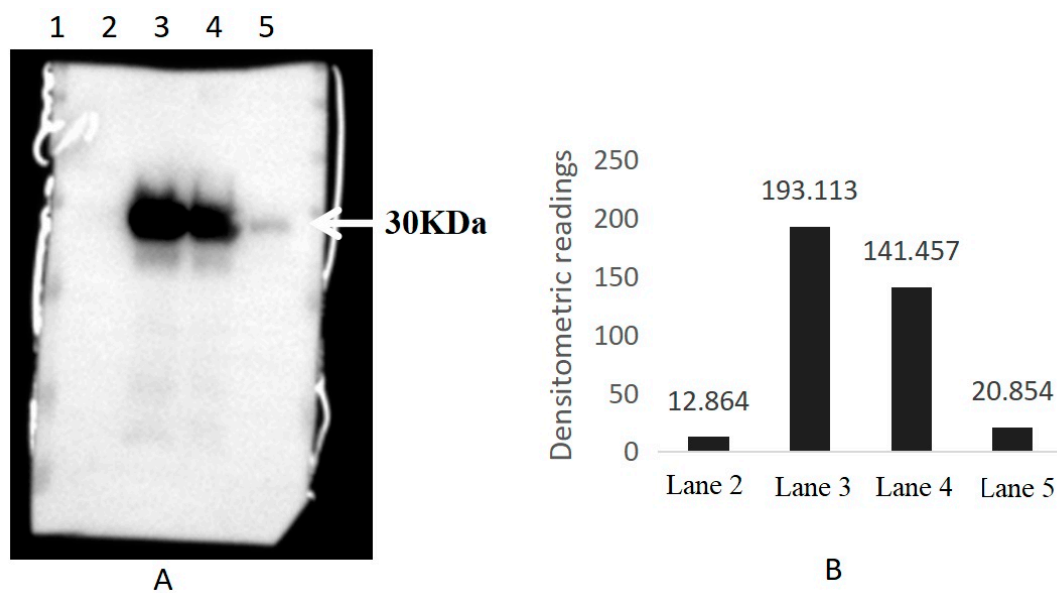
Supplemental Figure 1. The eukaryotic expression identification of MDA5-1 and MDA5-2 protein. (A) The whole blot (uncropped blots) showing all the bands with all molecular weight markers. Lane 1: Marker; Lane 2: The eukaryotic expression of MDA5-1 protein (22 KDa); Lane 3: The eukaryotic expression of MDA5-2 protein (27 KDa). (B) The densitometry analysis of each band in supplemental figure 1A.

Supplemental Figure 2.



Supplemental Figure 2. The expression identification of prokaryotic plasmids pET28a-His-MDA5-1. (A) The whole blot (uncropped blots) showing all the bands with all molecular weight markers (25 KDa). Lane 1: Marker; Lane 2: Bacteria with recombinant plasmid before induction; Lane 3: Bacteria with recombinant plasmid after induction; Lane 4: Supernatant after ultrasound; Lane 5: Precipitation after ultrasound. (B) The densitometry analysis of each band in supplemental figure 2A.

Supplemental Figure 3.



Supplemental Figure 3. The expression identification of prokaryotic plasmids pET28a-His-MDA5-2. (A) The whole blot (uncropped blots) showing all the bands with all molecular weight markers (30 KDa). Lane 1: Marker; Lane 2: Bacteria with recombinant plasmid before induction; Lane 3: Bacteria with recombinant plasmid after induction; Lane 4: Supernatant after ultrasound; Lane 5: Precipitation after ultrasound. (B) The densitometry analysis of each band in supplemental figure 3A.