



Supplementary Figure 8. Protein alignment for *Glyma.18G026900* gene depicting Susceptible (OX20-8), Resistant (PI427105B), and Williams-82 (Reference) translation. The “Black Lines” represents the serine/threonine-protein kinase predicted domains (*InterProScan 87.0*). The “Rectangle” denotes the predicted active catalytic amino acid. The “Red” color shows all polymorphic sites while the “underscores” represent conserve (>75%) amino acids. The “dashed lines” indicate indels, while the “Arrow” shows the C- terminal frameshift starting point.