**Table S2 PCR results of the GH1 genes in *P. xylostella***

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| >*Px006941* full-length amplification in FZ strainTAAATCTTTGACAAGTCCCCGAGCGTGTGGGACCACTTCATCCACTCGACCCCTGACCTGGTGGCGGACCGCTCCACCGGGGACGTGGCCGCAGACTCCTACCACTTGTGGAGACGAGACGTGGAGATGCTGGAGGAGCTAGGGCTGCAGTTTTATAGATTCTCCATATCCTGGACGCGTCTGGTACCGAATGGATTTGCGAACGTGATCAGCGATGACGGCCGGCGGTACTACGATGACCTCATCAACGGTCTGTTGGAGAGCGGAATAGAACCCATCCCCACCATCTATCATTGGGACATACCGCAACGGTTGCAGGATTTGGGTGGCTGGACCAACCCACTCGTATCAGACTGGTTTGTGGAATACGCAAGAATGGTCTTTTCCCTCTACGCTGACCGAGTCAAGTACTGGGTGACCATCAACGAGCCCTCAGTGTTCTGTGAGTTTGGATACGGAGCTGGTATTATAGCACCTGGGATCAAAGACCAGGATATCGGCAAGTACATGTGTGTCAAGAATGTGCTGATGGCCCATGGGAATGGGAAGGCGTATAGGGTTTATGAGAGGGAGTTTAAGGGAAAATATTCTGGAAAGCTATCGATGGCAAATCATTTCATGTGGTATGAAGCTGAGGCGGAGAAGGATTTGGAAGTAGCTGAACAAATAAGGCAGTTTCAGTACGGCCTGTACTGCCACGCCATCTACTCGGCGGCGGGCGGCTGGCCGGCGGCGGTGGAGCGGCAGATAGCTGACAACAGCCGCAGAGAGGGCTACAGCTTCTCCAGACTGCCGGGGTTCACGCAGGAGGAGAAGGACTTGGTCAGAGGTACCTTCGACTACATGGCAGTGAACCACTACAGCAGCAGGACAGTCCGGAAACAGCCGTCAGCGGAACACATCCCTGCTTCCAACCAGTTCACGGCGAATGCTGAGTTTAATGCCACGTATGAGGGTAAAGAGGACTGGCCTAAAGGAAACTCCTTTTGGTTCTTGATAAACCCGGCCGGCTTGCGTGACCTGCTCGTGTGGTTAAGGACAGAGTACGGGGACCTCGTGTACCTCTTCACAGAGAACGGGTACTCTGACGTCACCAGCAAGATCAATGATGACGATAGGGTTGACTATCATAGGGAGTATTTGAAACAGGTTCTTTTGGCCATAAAGCAAGACGGAGTGAATGTGACTGGCTACACGGCGTGGTCTCTGATGGACGACTTCGAGTGGGTGGAGGGATACACTCTCGGTTTCGGTCTATACCACGTGGACTTCAGCGGGGCGGAGCGCCCGCGCACGCCGCGCAAGTCCGCGCGCTACTACGCCAGCGTCGCGCGAGCCAACTCGCTGGACGTGCCAGTGCCTGAAGATGTCATGTTGAACGCAGCTTACTCGTTTGTTAACTCCACTTGCACTCTGATGGCCATGATCGTCGTGGTCGCATGTTACCGCATCTTCAACTTTTAATGAATAGGGTGCTTACCTTATTATAAACAA |
| >*Px008848* full-length amplification in FZ strainCCTATATCTCTCGTCTCACCAATAAACCATGACATTCAGCTTATCCTATCGTGTAATAGTCCTGGTTGCATTGCTAAGTGTAGCGTCGGGAAAAACAAAAGATGTGCACAGCAGAAAGTTTCCCGATGACTTTTTGTTTGGGGCAGCCACGGCGTCTTACCAGATAGAAGGCGCTTGGAATGAGGATGGTAAAGGCGAAAACATTTGGGATCGTTTGACTCACAGAGACCCTTCGCCGATCGCAGACAACAGTACCGGAGATGTCGCCGCTGACTCCTACCACAATGTCGACAGGGACGTGGAGATGATGCGGGAGTTAGGCCTCGACGCCTATCGCACCTCCCTGTCCTGGTCACGGATCCTGCCCACAGGATTCGCCGACCACATCAACGAGGCTGGAGTCAACTACTACAACCGACTTTTCGATGAGATGCTCAAGTATAACATCCAACCCGTGATAACCCTCTTCCACTGGGACTTACCGCAGCCCCTTCAAGACCTGGGCGGGTTGGCCAACCCCCTCTTTCCCGAGTGGTTCGAAGATTACTCCCGAGTTGCCTACGAGGCGTTCGGGGATAGAGTAAAGTTTTGGGTCACGTTCAACGAGCCAACCCAGATTTGCCTCCTCGGTTATGGCGACACTTCCATGGCACCAGAGCTAGGGGCTGGTGGAATTGGCGAGTACATGTGCGCTAAGAATCTGCTTCTGGCTCACGCTAAAGCCTATCATTTGTATGATAGTGAGTACAGGAGCACTCAAGCTGGGCAAGTGGGCTTGGCGATACATATCACCTACAATCAACCCTTGACTGATAGTGAGGAAGATAGAATTGCTTGTGAATTGTATAACCAGGCTACGATCGGTATTTACAGTGATCCCATCTTCGCCGCTGAGCCCGGCTGGCCAAAAGAGCTGAAACAAAAGATCGCTGAAAAAAGCGCAGCCCAAGGTTTCCCAAGGTCAAGGTTACCGGAACTGACAGATGAAGAGGCGATCTTCATCCATGGGTCCTCGGACTACTATGGAATTAACCACTACACCACTCTGAAGGTGGCTTCCGCAGTGAATGTGAGTGGGAGGAGAGTGCCATCGTTGATGGATGACATTGATGCTGAGGCTATCCGGAACGGCACTGGGGAAAATTGGATGCAAGCTGCTTCGTATTGGCTATTCCTTCATCCAGAAAGCATGTCCAAGGTATTTGAAATGTTAGAAGAGAGGTACAATGACCAAGTCTACTATATAATGGAGAGTGGCCGGTCGACTGCCGGCGGGTTGGTGGATGACGACCGAGTGACGTATTACAGGACTGTTCTGAACAGTATGTTGGATGCTATGGAGGAGGGGGCTCGCGTCAAGGGCTACATGGCTTGGAGCCTGATGGATAATTTTGAGTGGAAGCGGGGATACACAGAGAAGTTTGGTTTCTACGAAGTGGACCTGGAGGACCCAGCTCGCACCAGAACTCCGAGGAAGTCGGCATTTGTTTACAAACACATCGTAAAGACAAGAACCATTGATCCTGATTATGAGCCAGAAGAATTTGTCATGTCGATTCATGAATAGGGTTTCTGGTCGAGAATTCTCGAGCTCGAGAAGATTCGAGAAATTCGGCTTGGTTCGAGACGAGAAAAAAATCTGAAGACTCGAGAATTTCTCGAGCCTTGAGATAAAAATTAAGAATTTTCAATTCTTATTTTCCTGCGCCGCTTAACAACACACACGCATACCTACCAATC |
| > *Px008848* full-length amplification in AD strainCCTATATCTCTCGTCTCACCAATAAACCATGACATTCAGCTTATCCTATCGTGTTATAGTCCTGGTTGCATTGCTAAGTGTAGCGTCGGGAAAAACAAAAGATGTGCACAGCAGAAAGTTTCCCGATGACTTTTTGTTTGGGGCAGCCACGGCGTCTTACCAGGTAGAAGGCGCTTGGAATGAGGATGGTAAAGGCGAAAACATTTGGGATCGTTTGACTCACAGAGACCCTTCGCCGATCGCAGACAACAGCACCGGAGATGTCGCCGCTGATTCCTACCACAATGTGGACCGGGACGTGGAGATGATGCGGGAGTTAGGCCTCGACGCCTATCGCACCTCCCTGTCCTGGTCACGGATCCTTCCCACAGGATTCGCCGACCACATCAACGAGGCTGGAGTCAACTACTACAACCGACTTTTCGATGAGATGCTCAAGTATAACATCCAACCCGTGATAACCCTCTTCCACTGGGACTTACCGCAGCCCCTTCAAGACCTGGGCGGGTTGGCCAACCCCCTCTTTCCCGAGTGGTTCGAAGATTACTCCCGAGTTGCCTACGAGGCGTTCGGGGATAGAGTAAAGTTTTGGGTTACATTCAATGAGCCATCCCAAATTTGCCGCCTCGGCTATGGAGACAAATCCATGGCACCAGAGCTAGGGGCTGGTGGTGTTGGCGAGTACATGTGCGCTAAGAATCTGCTTCTGGCTCACGCTAAAGCCTATCATTTGTATGATAGTGAGTACAGGAGCACTCAAGCTGGGCAATTGGGCTTGGCGATACATATCACCTATAATCAACCCTTGACTGATAGTGAGGAAGATAGAATTGCTTGTGAATTGTATAACCAGGCTACGATCGGTATTTACAGTGATCCCATCTTCGCCGCTGAGCCCGGCTGGCCAAAAGAGCTGAAACAAAAGATCGCTGAAAAAAGCGCAGCCCAAGGTTTCCCAAGGTCAAGGTTACCGGAACTGACAGATGAAGAGGCGATCTTCATCCATGGGTCCTCGGACTACTATGGAATTAACCACTACACCACTCTGAAGGTGGCTTCCGCAGTGAATGTGAGTGGGA |
| >*Px008849* full-length amplification in FZ strainCCTGTAATAAAGAAGGCTAATCTTAATGTGAATTTACTAAAGTTAACTAAATTGTTCAGATTAAAGAAGAAGTTGTGACTATGAAGACTGTGATTTTTGTGATCTGCGTGGTGTCAAGCTCCCCGGGCCTGGCGAGGGTCGGCCCTGCCGGGAGACAGTTCCCGCCAGACTTCCTGTTCGGGACCTCTTCAGCATCATACCAGGTCGAGGGTGCTTGGAACGAGGATGGCAAGGGCGAGAGTATATGGGACAGATTCGTCCACCGAGACCCACCACCAGCTAAAGATGGCAGCACCGGCGACGTGGCTAACGACTCTTACCACAAGTACAAACGGGACATACAGATGTTAAGAGAACTGGGGGTCAATACCTACCGCTTCTCCATATCCTGGACTCGCATCCTTCCAACTGGCTTCTCCAACTATATAAACCCCCTTGGAGTCCAATACTATAACAATGTTATAGATGAGCTGCTCAAGTATAATATAGGGCCGATAGTGACGATATTCCACTTCGATCTGCCACAGTCTTTACAAGATCTAGGTGGCTTTGCCAATCCTCTGATAGAAGGCTGGTTTGAGGATTACGCTAGAGTTGTCTTTGGATTATACGGGGATAGAGTGAAGAAGTGGATCACGATCAATGAACCGAGGGAAACCTGCAGTGAGGCTTACGGCACTGTGACGTCGGCACCTGGCCTGAATTTCTCCGGGTTTGCAGATTATCTCTGCGCGAAGTATGTGCTGATATGCCATGCCAGTGCCTATCGCCTGTATGATAGAGAGTTCAGGGCGTCACAAGGAGGGGAGGTTGGGATAGCATACAGTGCCAGCTGGTACGCGCCAGCGACTGATTCTGTTGAGGATGAGTTAGCTACAGAGTTGAAACGACAATCGGAGTTAACAATATACGTAGACCCGGTATTCTCCGAAGAGGGGGGGTTCCCAGCAGAGTTGTCAACCAGAATAGCACAGAAGAGCGCTGAGCAGGGATACCCATTCTCACGATTACCAGCTTTCACAGACGAGGAGAAGGCATTCGTGAGAGGAACAGCGGATTTCCTTGGCGTCAACCATTACTGCTCCTTCCTTATATCAGCTACTAAGAACCTGCAGGAAAACCCCCGTGTGCCGTCGTTGGCTGACGATGTGAATGTGGGTCTGGTGATCCCGGACGAGTGGCCACACTCGGCTTTGAGCTTCATGGCGAGATCCCCCAACAGCCTATTCAACGTGCTATCATATTTTAACGCCAGATACAACAAAAACATAACGTATTACATAACGGAGAACGGTTGGGCTGTGGACGACGGTCTAGAAGGCGATAGGATCGCCAACTACAGAGGCAACCTAGAAGGAGTTCTTGACAGTTTGGACGCTGGCATCAGAGTGAAGGGGTTCATGGCATGGACTCTCATGGATAATTATGAGTGGATCAGTGGTTTTAGTGTTAAGTTTGGTCTCTATCGAGTGGACAGAAGTGATAGTGAGCTTCGCAGAATACCGCGGGAAACAGCCTTTGTTTATAAGGAAATTATAAAAACTCGACAGATTGATCACAAGTATTACCCTACTACGAAAGAAATGACGATAGATGACGGACATTAGTATTACCTATGTAGTTAAGTAGGTACTTAATATGATTTTATACCAAAATTAATTTAAATAGCTAACTACTACCTAGTTAGGTAGTTAGTTAGTTATACTTTCACGAAAACAAGCAGCGGGCTTTTCTTTCCTT |
| > *Px008849* full-length amplification in AD strainTCGAGTTTTAGCAGATCCTGTAATAAAGAAGGCTAATCTTAATGTGAATTTACTAAAGTTAACTAAATTGTTCAGATTAAAGAAGAAGTTGTGACTATGAAGACTGTGATTTTTGTGATCTGCGTGGTGTCAAGCTGCCCGGGCCTGGCGAGGGTCGGCCCTGCCGGGAGACAGTTCCCGCCAGACTTCCTGTTCGGGACCTCTTCAGCATCATACCAGGTCGAGGGTGCTTGGAACGAGGATGGCAAAGGCGAGAGTATATGGGACAGATTCGTCCACCGAGACCCACCACCAGCTAAAGATGGCAGCACCGGCGACGTGGCTAACGACTCTTACCACAAGTACAAACGGGACATACAGATGTTAAGAGAACTGGGGGTCAATACCTACCGCTTCTCCATATCCTGGACTCGCATCCTTCCAACTGGCTTCTCCAACTATATAAACCCCCTTGGAGTCCAATACTATAACAATGTTATAGATGAGCTGCTCAAGTATAATATAGAGCCGATAGTGACGATATTCCACTTCGATCTGCCACAGTCTTTACAAGATCTAGGTGGCTTTGCCAATCCTCTGATAGAAGGCTGGTTTGAGGATTACGCTAGAGTTGTCTTTGGATTATACGGGGATAGAGTGAAGAAGTGGATCACGATAAATGAACCGAGGGAAACCTGCAGTGAGGCTTACGGCACTGTGACGTCGGCACCTGGCCTGAATTTCTCCGGGTTTGCAGATTATCTCTGTGCGAAGTATGTGCTGATATGCCATGCCAGTGCCTATCGCCTGTATGATAGAGAGTTCAGGGCGTCCCAAGGAGGGGAGGTTGGCATAGCTTACAGTGCCAGCTGGTATGCGCCTGCTACTGATTCTGTTGAAGATGAGCTCGCTACGGAGTTGAAACGACAATCGGAGTTAACAATATACGTAGACCCGGTATTCTCCGAAGAGGGGGGTTTCCCAGCAGAGCTGTCAACCAGAATAGCACAGAAGAGCGCTGAGCAGGGCTACCCATTCTCACGATTGCCAGCTTTCACTGAAGAGGAGAAGGAATTTGTCAGAGGAACAGCCGATTTCCTTGGTGTCAACCATTACTGCTCCTTTCTCATATCAGCTACTAAGAACCTACAGGAGAACCCCCGTGTACCGTCGTTGGCTGACGATGTCAATGTGGGTCTGGTGATCCCGGACGAATGGCCACACTCGGCTTTGAGCTTCATGGCGAGATCCCCCAACAGCCTATTCAACGTGCTATCATATTTTAACGCCAGATACAACAAAAACATAACATATTACATAACTGAGAACGGCTGGGCGGTTGACGAGGGTCTAGAAGGCGATAGGATCGCCAACTACAGAGACAATCTAGAAGGAGTTCTTGACAGCCTGGACGCTGGCATCAGAGTGAAGGGGTTCATGGCATGGACTCTGATGGATAATTATGAGTGGATCAGTGGTTTTAGTGTAAAGTTTGGTCTCTATCGAGTGGACAGAAGTGATAGTGAGCTTCGCAGAATACCGCGTGAAACTGCCTTTGTTTATAAGGAAATTATAAAAACTCGACAGATTGATCACAACTATTACCCCACTATGAAAGAAATGACGATAGATGACGGACATTAGTACCTACCTAGTTAAGTAGGTACTTAATATGATTTTATACCAAAATTAATTAAAATACCTAGTTACTACCTAGGTAGTTAGTTATACTTTCACGAAAACAAGCAGCGGGCTTTTCTTTCCTTTTGATATCTT |
| >*Px006054* full-length amplification in FZ strainTCGCCAGTTCGTTGTTGATAGCCAACAGCGGAGGACGACCATGGCGGCTAAATGGACGATCATCGCAGCCTTAGCCCTTTGCCACACGGCATTGGTTGAGTACACCAAATTCCCTGAAGGTTTCACTTTCGGAGTCGCCACCGCTGCTCATCAAATTGAGGGAGGCTGGAACGAAAATGGTAAAGGTGAGAACGTGTGGGACCACCTCAGCCACAACCGTCCTGAGCTGATAGCTGATGGTTCAAGCGGAGACGTAGCCACTGACTCGTACCACAGATACCGTGAAGATGTGGAGGAGCTGGCGTACCTCGGGGTGGACTTCTACCGCATGTCGTTCTCGTGGGCGCGCCTGCTGCCGAATGGACGCATTGATAATGTGAACGCTGACGGCGTCCGCTATTACAACGAGCTGCTTGATGCTTTGGCTGCGCATAATATCGAGCCTTTGGTGACCCTCTTCCACTGGGACTTGCCGCAAGTGCTGCAAGACCTGGGCGGCTGGGCCAACCCGCACATGATCGACTACTTCCGCGACTACGCTGACTTCTGCTACAAGACCTTCGGAGGCAAGATCAAGTCCTGGATCACCTTCAACGAGCCCTACGAAATCTGCGAGGACGCTTACGGAGACATCCTCAAAGCACCAGCAGTTGACAGCCACGGTGTCGGGAACTACCTCTGCAGTGATACGTTGCTGAAGGCCCATGCTGAGGCCTATCACCTGTACAATGAGACGTACAAGCCGGTGCAAGATGGCAAGGTCATGATCTCGATCAACTCCATCTGGTACGAGCCTAAAGACCCCAGCAACGCTGAGCAGGTGGTGTTGGCTGAAACTGCTAATCAGTTCAAGTTCGGTTGGTTCGCGCACCCCATCTTCTCGAAGGAGGGCGGCTACCCCGCCGTCATGATCGAGAACGTCGCCCGCAACAGCGAGGCCGAAGGTCTGAAGCGCTCCCGGCTGACCCAGTTCGACGAGTACTGGACGGCCCGCATCAAGGGCACCTCGGACTTCCTCGGCATCAACCACTACACCACGCACCTGGTGACGGGCGCGGGCGTCGACCCCGGGGCGAAGTCGCCGTCCTGGCTGAAGGATGTGGGGGCAGTTGTGTCTACTGATGTCGGCACGGATTCCGCGTCCGCTTGGCTTAGGGTGGTCCCCTCCGGGTTCGCGAACCTGCTCCGCTGGTGCAAGCGCTCCTACTCCGACCCTCCGATCTACATCACGGAGAACGGCTACTCCGACCGCGGGGAGCTGATGGACTACAAGCGGATCAGCTACTTCAATGACTACCTGTCGGAGATCCTGAACGTGATCAACAACGACGGCGTGCGCGTGCTGGGCTACACGGCCTGGACGCTCATGGACAACTTCGAGTGGCGAGCCGGGTTCTCGGAGCGTTTCGGTTTATACCACGTGAACATCACGGACCCGGCGCTGCCTCGCACTGCGAAGCTCTCAGCCGACTACTTCAAGCAACTCATCGCCAACAGAGAGCTTCCCAAAGACGACAAATACAAAGAGCCAGCCAGACACTGAAGCTCGCACCACTAACA |
| >*Px006054* full-length amplification in AD strainTCGAGTTTTTAGCAGATTCGCCAGTTCGTTGTTGATAGCCAGCAGCGGAGGACGACCATGGCGGCTAAATGGACGATCATCGCAGCCTTAGCCCTTTGCCACACGGCATTGGCTGAGTACACCAAATTCCCTGAAGGTTTCACTTTCGGAGTCGCCACCGCTGCTCATCAAATTGAGGGAGGCTGGAACGAAAATGGTAAAGGTGAGAACGTCTGGGACCACCTCAGCCACAACCGTCCTGAGCTGATAGCTGACGGTTCAAGCGGCGATGTGGCCACAGACTCGTACCACAGATACCGTGAAGATGTGGAGGAGCTGGCGTACCTCGGGGTGGACTTCTACCGCATGTCGTTCTCGTGGGCGCGACTGCTGCCGAATGGACGCATTGATAACGTGAACGCTGACGGCGTGCGCTATTACAACGAGCTTCTTGATGCTTTGGCTGCGCATAATATTGAGCCTTTGGTGACCCTCTTCCACTGGGACTTGCCGCAAGCGCTACAAGACCTGGGCGGCTGGGTCAACCCGCACATGATCGACTACTTCCGCGACTACGCAGACTTCTGCTACAAGACCTTCGGAGGCAAGATCAAGTCCTGGATCACCTTCAACGAGCCCTACGAAATCTGCGAGGACGCTTACGGAGACATCCTCAAAGCACCAGCAGTTAACAGCCACGGTGTTGGAAACTACCTCTGCAGTGATACGCTGTTGAAGGCTCATGCTGAGGCCTATCATCTGTACAATGAGACGTACAAGTCGGTGCAAGATGGCAAGGTCATGATCTCGATCAACTCCATCTGGTACGAGCCTAAAGATCCCAGCAACGCTGAGCAGGTGGTGTTGGCTGAAACTGCTAACCAGTTCAAGTTCGGTTGGTTCGCACATCCCATCTTCTCGAAGGAGGGCGGCTACCCCGCCGTCATGATCGAGAACGTAGCTCGCAACAGCGCGGCTGAAGGTCTGAAGCGTTCCCGGCTGACCCAATTCGACGAGTACTGGACGGCGCGCATCAAGGGCACCTCTGACTTCCTCGGCATCAACCACTACACCACGCACCTGGTGACGGGCGCGGGCGTCGACCCCGGGGCGAAGTCGCCGTCCTGGCTGAAGGATGTGGGGGCAGTTGTGTCCACTGATGTGGGCACGGACTCCGCGTCCGCTTGGCTTAGGGTGGTCCCCTCCGGGTTCGCGAACCTGCTCCGCTGGTGCAAGCGCTCCTACTCCGACCCTCCGATCTACATCACGGAGAACGGCTACTCCGACCGCGGCGAGCTGATGGACTACAAGCGGATCAGCTACTTCAATGACTACCTGTCGGAGATCCTGAACGTGATCAACAACGAACTGGCGAATCTTTCTAGAAGATCTCCTACAATATTCTCAGCTGCCATGGAAAATCGATGTTCTTCTTTTATTCTCTCAAGATTTTCAGGCTGTATATTAAAACTTATATTAAGAACTATGCTAACCACCTCATCAGAACCGTTGTAGGTGGCGTGGGTTTTCTTGGCAATCGACTCTCATGAAAACTACGAGCTAAATATTCAATATGTTCCTCTTGACCAACTTTATTCTGCATTTTTTTTGAACGAGGTTTAGAGCAAGCTTCAGAACTGAGACAGGATTTTATTAAAAATTTAATTTTGAGAAGTTCAGATATAGCATCCATTTTTGCTT |
| >*Px006941* partial-length amplification in AD strainCATGTGTGTCAAGAATGTGCTGATGGCCCATGGGAAGGCGTATAGGGTTTATGAGAGGGAGTTTAAGGGAAAATATTCGGGAAAACTATCGATGGCAAATCATTTCATGTGGTATGAAGCTGAGACGGAGAAGGATTTGGAAGTAGCCGAACAAATTAGGCAGTTTCAGTACGGCCTGTACTGCCACCCCATCTACTCGCAGGCGGGCGGCTGGCCGGCGGCGGTGGAGCGGCAGATCGCCGACAACAGCCGCAGAGAGGGTTACAGCTTCTCCCGGCTGCCGGGGTTCACGCAGGAGGAGAAGGACTTGGTCAGAGGTACCTTCGACTACATGGCAGTGAACCACTACAGCAGCAGGACGGTCCGCAAGCAGCAGTCAGCGGAACACATCCCAGCTTCCAACCAGTTCACTGCGAATGCAGAGTTTAACGCCACCTATGAGGGCAAGGAGGACTGGCCTAAGGGAAACTCCTTTTGGTTCTTGATAAACCCGGCCGGCCTCCGCAACCTGCTGGTGTGGCTGCGGAACGAGTATGGAGACATCGAGTATCTCATCACAGAGAACGGCTACTCTGACGTCACCACCAAGATCAATGATGACGATAGGGTTGACTATCATAGGGAGTATTTGAAACAGGTTCTTTTGGCCATAAAGCAAG |
| >*Px009428* same partial-length amplification in FZ and AD strainsGTTTATGAGAGGGAGTTTAAGGGAAAATATTCTGGAAAACTATCGATGGCAAATCATTTCATGTGGTATGAAGCTGAAACGGAGAAGGATTTGGAAGTAGCCGAACTAATAAGGCAGTTTCAGTACGGGCTGTACTGCCACCCCATCTACTCCCAGGAGGGCGGATGGCCGGCGGCGGTGGAGCGGCAAATAGCTGACAACAGCCGCAGAGAGGGCTACAGCTTCTCCCGGCTGCCGGGGTTCACGCAGGAAGAGAAGGAATTGGTCAGAGGTACCTTCGACTACATGGCAGTGAACCACTACAGCAGCAGGACAGTCCGGAAGCAGCCGTCAGCGGAACACATCCCTGCTTCCAACCAGTTCACGGC |
| >*Px009427* partial-length amplification in AD strainCGTTCCCCCCCGGGTTCAGGTGGGGCGCCGCCACCGCCGCCTACCAGGTCGAGGGCGCATGGAACCAGAGTGACAAATCACCAAGCATATGGGACAAGGTGGTCCATGAGTACAACCACCTGATCCAGGACCGAAGCAATGGCGACGTGGCCTGCGACTCCTACCACCTCTGGAAGAGAGACATACAGATGGCCAAGGAATTGGGCCTTGACTTTTACAGATTCTCCATAGCCTGGACTCGCCTGATACCAAATGGCTTCTCGAACGCAATCAGCGAAGATGGCAAGAATTATTACAACAACCTCATCGACGGCCTCTTGGCTCACGGCATCCAACCGATGCCCACGTTGTACCACTGGGACTTACCTCAGAGGTTGCAAGATTTAGGTGGCTGGAGCAACCCGCTGGTAGCCGACTGGTTTGCGGACTACGCTCGCGTGGCCTTCTCCCTCTTCGGAGACCGCGTGCAGTACTGGATCACCATCAACGAGCCCACCATGGTCTGCGAACTGGGCTATGGCCTCGGCCTTGTGGCCCCCTTGATCAAGGA |
| >*Px000291* partial-length amplification in FZ strainGATGACGTGCGCATCATACGGGATCTGGGCGTGTCCACGTATAGGCTGTCCATCTCTTGGAGCAGGATACTTCCAAACGGCACTGACAACTACATAAACGCCGAAGGAGTCCAATACTACCGCAACCTATTCGACGAGCTCGCAAAATACAACATCACACCAATGGTCACACTATTCCACTGGGACTTGCCCCAAATGTTCATGGACCTTGGCGGATGGACCAATCCCGAGATGGTGGATTATTTTGAGGACTACGCGAGAGTCGCGTTTAATCTGTTCGGGGATGTCGTGAAGATTTGGACGACCATTAATGAGCCGCATCAGCATTGTTATAATGGCTACGGCACAGATTACTTCGCACCCGCACTAGAATCATACGGGGTGGGCGAATACCTGTGCGACCACTACATACTTCTAGCACATGCTAGAGTGTACCATCTGTATGATAGGGAATTCCGGCCGAAATACAAAGGAAAAATCGGGATAACCCTGGACGCTTTCTGGGCCGATCCTCTCGACCCCACGAAGGAAGAAGACCGAGAGGCAGCAGAAAGATATATGATGATGAATCTAGCCCGCTACGCGCACCCCATCTACTCGGCGGAGGGCGACTACCCGGCCGTGGTGCGCGCGCGCATCAACACCATCAGCCAGCTGCAGGGCTTCCCGCGCTCGCGCCTGCCGTACTTCACGGCTCAGGAGATAGAGGACCTCCGTGGCTCCTCCGACTTCTTCGGACTGAACCACTACACCACGTTCCTGATGACTCCGTCCCGCATGAAAAAGGGG |