



Supplementary Fig. S4. PCR products separated on a 1.5% agarose gel. **A**, The primer set 14425 resulted in a 772 bp fragment (filled arrowhead) specific to pathotype 1(D1) and a 446 bp fragment (open arrowhead) common to all German pathotypes 1(D1), 2(G1), 6(O1), 8(F1) and 18(T1). **B**, The SCAR primer 14425P1 resulted in a 367 bp fragment (filled arrowhead) in one of the German pathotype 1(D1), in two polish pathotypes 39(P1), 2(Ch1) and in four isolates from Denmark and Poland #D22, #D14, #P2/15 and #D12. The internal control primer from the sporulation protein RMD1 amplified the expected 175 bp fragment (open arrowhead) from all of the 16 isolates. M and M1 = GeneRuler™ 1 Kb plus and 100 bp DNA Ladders, respectively (Thermo Scientific). * DNA isolated from wart compost.