Figure S1  Identification of genetic mutations in isolated mutants. The region sequenced is indicated as a colored bar below the gene diagram. Mutations predicted not to be tolerated are highlighted in red. Mutation predicted be tolerated are highlighted in green. A Sequencing an 807 bp region of cyst-1 revealed seven point mutations, all of which except mr39 are predicted not to be tolerated. B Sequence data was obtained from the entire sqrd-1 gene and four novel point mutations were identified.