Subject	Patients symptoms and clinical diagnostic criteria	Average nNO nL min^{-1} (Normal nasal nitric oxide (nNO) >77 nL min-1)	Average light microscopy CBF (Hz)	No of nasal brushing to make PCD diagnosis	Genotype	Number of ciliary images input into PCD detect to generate MTD and/or CP averages	Number of Features selected in PCD detect	Features used by PCD detect to generate final average
PHD [1]	Persistent, minimal ear problems and retinitis pigmentosa	53 (± 29 SEM)	11.50 (± 0.86 SEM)	4	No genetic information	CP – 28	CP - 28	CP - 14
PHD [2]	Rhinitis and wet cough, otitis media and hearing impairment.	424 (±170 SEM)	9.55 (± 1.40 SEM)	4	Seven variants of unknown significance (VUS) in *HYDIN*	CP – 63	CP - 63	Class 1 - 39 Class 2 – 19
PHD [3]	Later onset rhinitis	567	12.37 (± 1.84 SEM)	2	No genetic information	CP – 36	CP - 36	Class 1 - 23 Class 2 - 11

Supplementary Table 1. Three cases that were studied using PCD Detect due to previous diagnostic testing indicating a potential *HYDIN* defect (PHD). PHD [2] and PHD [3] are siblings.