Motile Ciliopathy VCEP rules for combining evidence codes to reach overall variant classification

Variants that meet a combination of pro-pathogenic and pro-benign evidence codes are automatically classified as variants of uncertain significance by ClinGen's variant curation interface (VCI). However, the Motile Ciliopathy VCEP instead recommends calculating the overall classification for each variant by combining the evidence codes according to the point system described below. The standard auto-calculated classification can then be modified if applicable. The figures below have been copied and pasted from Tavtigian et al., 2020 (PMID: 32720330).

Point values for ACMG/AMP strength of evidence categories

Evidence Strength	Point Scale	
	Pathogenic	Benign
Indeterminate	0	0 §
Supporting	1	−1
Moderate	2	−2 †
Strong	4	−4
Very Strong	8	−8 †

Point based variant classification categories

Category	Point ranges
Pathogenic	≥ 10
Likely Pathogenic	6 – 9 ¥
Uncertain	0 – 5
Likely Benign	−1 – −6 ¥
Benign	≤ −7