

Study	Cases	Total	Mutation Rate	95% CI
Dimitriadis, K. 2014	167	253	0.66	[0.60; 0.72]
Du, W. D. 2011	10	12	0.83	[0.52; 0.96]
Kim, J. Y. 2003	46	60	0.77	[0.64; 0.86]
Kirkman, M. A. 2009	132	196	0.67	[0.60; 0.74]
Klopstock, T. 2011	57	85	0.67	[0.56; 0.76]
Majander, A. 2017	13	27	0.48	[0.30; 0.66]
Ramos Cdo, V. 2009	45	66	0.68	[0.56; 0.78]
Spruijt, L. 2006	145	325	0.45	[0.39; 0.50]
Ueda, K. 2017	38	44	0.86	[0.73; 0.94]
Tonagel, F. 2021	18	22	0.82	[0.60; 0.93]
Ishikawa, H. 2021	54	57	0.95	[0.85; 0.98]
Marotta, R. 2020	52	76	0.68	[0.57; 0.78]
Li, J. K. 2020	84	96	0.88	[0.79; 0.93]
Ahn, Y. J. 2020	38	44	0.86	[0.73; 0.94]
Poincenot, L. 2020	1044	1497	0.70	[0.67; 0.72]
Zhao, X. 2020	29	33	0.88	[0.72; 0.95]
Dokrungkoon, T. 2019	10	13	0.77	[0.48; 0.92]

### Random effects model

Heterogeneity:  $I^2 = 88\%$ ,  $\tau^2 = 0.4849$ ,  $\chi^2_{16} = 133.20$  ( $p < 0.01$ )

0.75 [0.67; 0.81]

