

Additional file 2

Table A2 Chi-square associations among socio-demographic and ecological variables, Tharu households, Pakali, Itahari, 2025.

Association tested	χ^2	df	p-value	Fisher's p	Sig.	Cramer's V
Panel A: Willingness to participate × socio-demographic variables						
Gender of household head × willingness	1.19	1	0.274	—	ns	0.09 (ϕ)
Env. change affects tradition × willingness	3.96	1	0.046	—	**	0.16 (ϕ)
Residency years × willingness	7.32	3	0.062	—	†	0.229
Education level × willingness	2.83	5	0.726	—	ns	0.143
Panel B: Education level × livelihood and ecological practice						
Education level × primary livelihood source	34.52	25	0.084	—	†	0.223
Education level × role of traditional knowledge	6.12	10	0.805	—	ns	0.149
Education level × type of fertiliser used	7.17	12	0.846	—	ns	0.161
Panel C: Family type × educational, agricultural, and knowledge variables						
Family type × educational status	7.81	5	0.167	0.182	ns	0.237
Family type × type of fertilizer used	9.57	3	0.022	0.012	**	0.323
Family type × ethnomedicinal knowledge source	6.72	2	0.034	0.034	**	0.220

Note. † $p < 0.10$; ** $p < 0.05$; ns = not significant. Fisher's exact p reported where expected cell frequencies < 5 . ϕ = phi coefficient (2×2 tables); Cramer's V for larger contingency tables.