

Supporting Information 2

“Milk consumption practices predict acute human brucellosis risk in Ijara, north-eastern Kenya”

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Outputs from all candidate models in the information theoretic approach are shown in Table S1.

Table S1. Outputs from all candidate models explaining variation in *Brucella* RT-PCR positivity

Model/Hypothesis	OR	95% Credibility Interval
M2		
Livestock keeper	0.57	0.33 – 1.02
Age	1.08	0.70 – 1.71
Sex	1.39	0.82 – 2.68
M3		
Livestock keeper	0.63	0.37 – 1.05
Age	1.13	0.52 – 2.27
Sex	1.38	0.79 – 2.47
Livestock keeper x age	0.77	0.27 – 2.56
M4		
Livestock keeper	0.86	0.43 – 1.71
Age	1.73	0.65 – 4.69
Sex	1.85	0.94 – 3.53
Livestock keeper x Age	0.74	0.17 – 3.27
Livestock keeper x Sex	0.42	0.14 – 1.28
Sex x Age	0.51	0.15 – 2.78
Livestock keeper x Sex x Age	0.90	0.09 – 5.00
M5		
Livestock keeper	0.70	0.39 – 1.22
Education level	1.33	0.64 – 3.23
Age	1.06	0.63 – 1.73
Sex	1.35	0.81 – 2.42
Livestock keeper x Education level	0.41	0.13 – 1.57
M6		
Assist with animal births	0.71	0.30 – 1.60
Age	1.05	0.63 – 1.69
Sex	1.35	0.74 – 2.29
M7		
Milk from external source	19.20	4.8 - 68.8
Boil milk	0.13	0.06 - 0.32
Age	1.02	0.59 - 1.59
Male	1.59	0.85 – 2.92

M8		
Milk from external source	19.76	3.43 – 84.20
Boil milk	0.20	0.02 – 1.89
Age	1.07	0.60 – 1.96
Male	1.65	1.04 – 3.03
Milk from external source x Boil milk	0.70	0.06 – 10.66
M9		
Milk from external source	19.3	3.44 – 85.11
Boil milk	0.14	0.06 – 0.30
Assist with animal births	1.28	0.51 – 3.25
Age	1.03	0.61 – 1.76
Sex	1.59	0.85 – 2.77
M10		
Boil milk	0.13	0.05 – 0.31
Age	0.98	0.62 – 1.75
Sex	1.31	0.84 – 2.08
M11		
Age	1.05	0.71 – 1.60
Sex	1.34	0.76 – 2.09
M12		
Rapid test positive	1.37	0.78 – 2.17
