

Supplementary

Table S1. Relevance level of each class of each factor by frequency ratio (FR)

Landslide conditioning factors	Classes	FR value
Aspect	Flat	0.000
	North	1.133
	Northeast	1.123
	East	0.846
	Southeast	0.797
	South	1.537
	Southwest	1.157
	West	0.876
	Northwest	0.677
Slope (°)	<10	3.534
	10-20	1.375
	20-30	0.757
	30-40	0.856
	40-50	0.823
	50-60	0.378
	60-70	0.000
	70-80	0.000
	>80	0.000
Profile curvature	-44.22 - -2.24	0.389
	-2.24 - -0.80	0.560
	-0.80 - 0.28	1.143
	0.28 - 1.73	1.235
	1.73 - 48.04	0.711
	-32.95 - -1.7	0.422
Plan curvature	-1.70 - -0.65	0.876
	-0.65 - 0.14	1.132
	0.14 - 1.19	1.231
	1.19 - 34.02	0.450
Elevation (m)	<2000	16.614
	2000 - 2500	25.370
	2500 - 3000	6.448
	3000 - 3500	1.582
	3500 - 4000	0.223
	4000 - 4500	0.162
	4500 - 5000	0.030
	5000 - 5500	0.000
	> 5500	0.000
TWI	0.14 - 1.55	0.646
	1.55 - 2.26	0.844

	2.26 - 3.20	1.381
	3.20 - 4.78	1.734
	4.78 - 15.12	7.087
	Monzonite granite (Group 1)	0.102
	Syenite (Group 2)	0.000
	Metamorphic sandstone, phyllite, slate (Group 3)	1.302
	Altered sandstone, slate, limestone (Group 4)	0.566
Lithology	Tuffaceous sandstone, siltstone (Group 5)	0.915
	Volcanic rock, breccia, tuff (Group 6)	0.905
	Carbonate rocks (Group 7)	0.000
	Metamorphic mudstone, sandstone (Group 8)	0.216
	Clastic rock (Group 9)	1.712
	-1 - -0.16	0.821
	-0.16 - -0.01	1.538
NDVI	-0.01 - 0.01	1.357
	0.01 - 0.16	0.944
	0.16 - 1	0.763
	Farm land	5.255
	Forest land	0.881
Land use	Grass land	0.845
	Water	0.000
	Construction land	63.033
	Unused land	1.028
	Brown coniferous forest soils (Group 1)	0.116
	Brown soil (Group 2)	0.693
	Brown subalpine meadow soil (Group 3)	0.000
	Dry cinnamon soil (Group 4)	2.310
	Rock (Group 5)	0.000
Soil	Calcareous cinnamon soil (Group 6)	3.382
	Gleyed paddy soil (Group 7)	0.000
	Grey cinnamon soil (Group 8)	7.452
	Subalpine meadow soil (Group 9)	0.117
	Cinnamonic soil (Group 10)	7.174
	Alpine frost soil (Group 11)	0.100
	Skeletal soil (Group 12)	0.000
	Dark brown soil (Group 13)	0.540

	<200	3.150
	200-400	0.642
Distance to rivers(m)	400-600	0.376
	600-800	0.489
	>800	0.195
	<300	13.737
	300-600	2.502
Distance to roads(m)	600-900	1.802
	900-1200	0.660
	>1200	0.349