Explanatory variable	Meaning	Multi-scale tuning parameter (start and end value)	Variant number
FILL	Digital Elevation Model with filled sinks	-	1
SLP	Slope	-	1
VDC	Vertical Distance above Channel Network	Catchment Area $(CA \in [10,000:1000,000])$	10
TCI	Terrain Classification Index	Catchment Area $(CA \in [10,000:1000,000])$	10
TWI	Topographic Wetness Index	_	1
MBI	Mass Balance Index	Curvature Transfer Constant ( $T \in 0.0001 : 0.1$ )	10
TOP	Topographic (positive) Openness	-	1
TON	Topographic (negative) Openness	-	1
NH	Normalized Height	Generalization Parameter $(t \in [2:1000])$	10
TPI	Topographic Position Index	Scale Parameter $(S \in [20:1000])$	10