

Supplementary materials.

Table S1. The different thresholds created based on intersection criteria within the 5th category.

Intersection criteria		\geq SAD	\leq ED	\leq NIRDI
Different thresholds	1	0.711334	0.255404	0.123792
	2	0.841261	0.154632	0.038597
	3	0.910196	0.087881	-0.011961
	4	0.968734	0.048331	-0.055219

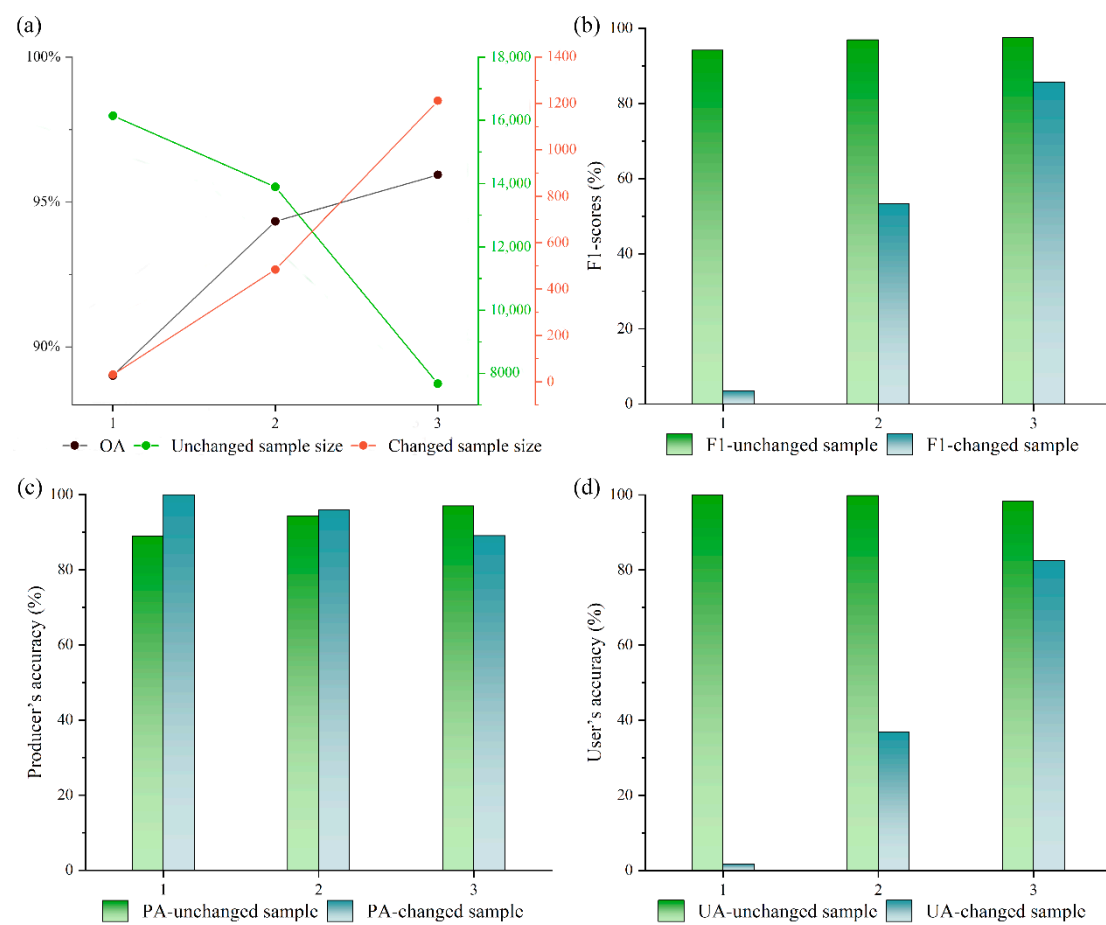


Figure S1. Variation of sample size and OA with different thresholds (a), F1 score (b), the PA (c), and the UA (d) within the 5th category.

Table S2. The different thresholds created based on intersection criteria within the 6th category.

Intersection criteria		\geq SAD	\leq ED	\leq NIRDI
Different thresholds	1	0.678546	0.286300	0.174763
	2	0.821519	0.201513	0.066015

3	0.882851	0.130141	0.012211
4	0.938139	0.078769	-0.026839
5	0.979912	0.044925	-0.065531

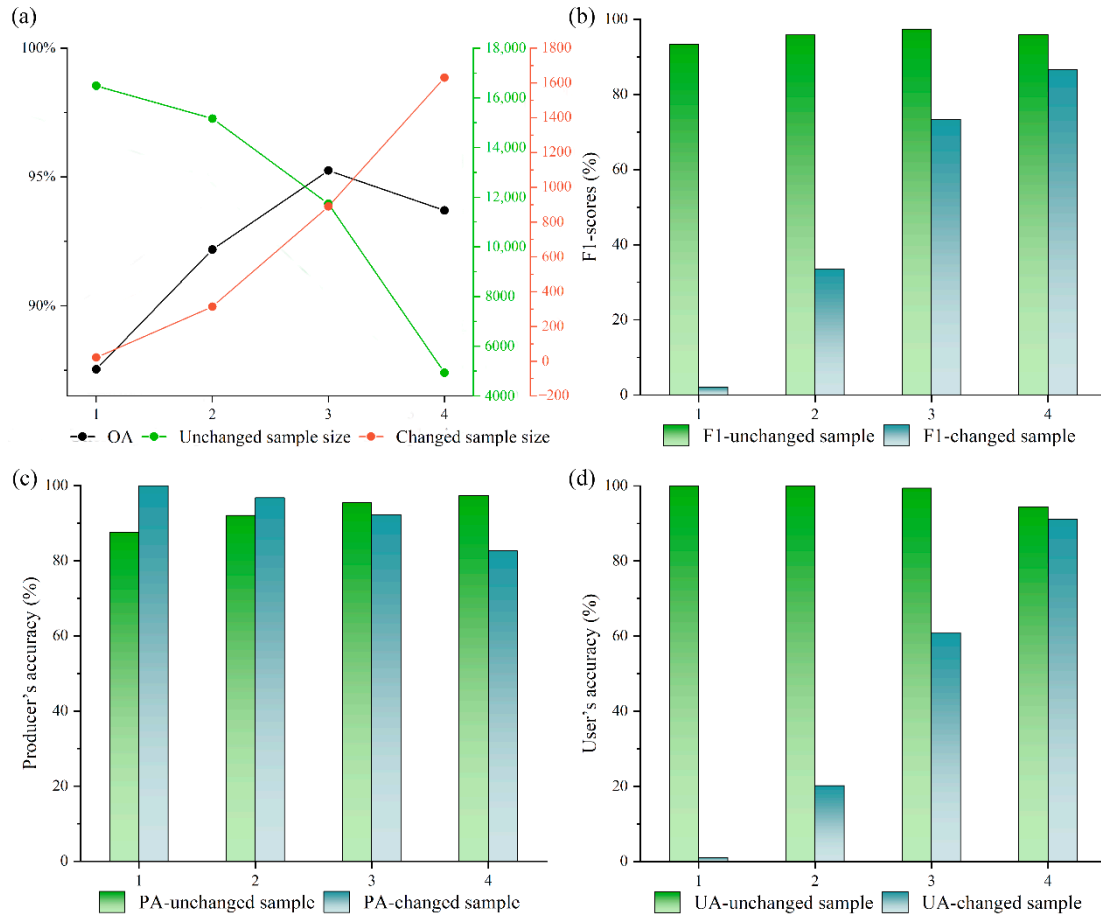


Figure S2. Variation of sample size and OA with different thresholds (a), F1 score (b), the PA (c), and the UA (d) within the 6th category.

Table S3. The different thresholds created based on intersection criteria within the 7th category.

Intersection criteria		\geq SAD	\leq ED	\leq NIRDI
Different thresholds	1	0.678546	0.298519	0.187111
	2	0.819486	0.217243	0.079779
	3	0.877445	0.148586	0.029577
	4	0.926136	0.097881	-0.006297
	5	0.966228	0.064838	-0.038210
	6	0.990639	0.038687	-0.074414

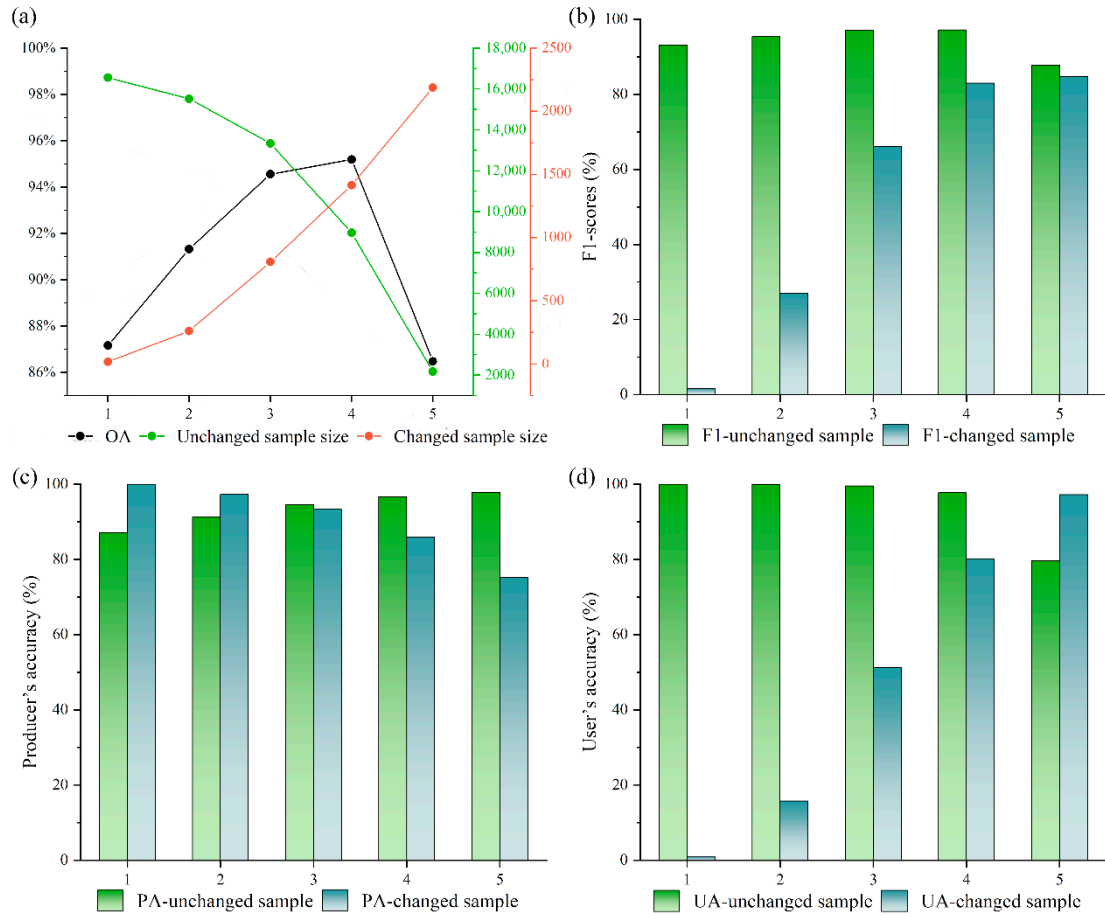


Figure S3. Variation of sample size and OA with different thresholds (a), F1 score (b), the PA (c), and the UA (d) within the 7th category.

Table S4. The different thresholds created based on intersection criteria within the 8th category.

Intersection criteria		$\geq \text{SAD}$	$\leq \text{ED}$	$\leq \text{NIRDI}$
Different thresholds	1	0.678546	0.324612	0.189861
	2	0.806395	0.245232	0.094986
	3	0.854365	0.179431	0.045816
	4	0.895483	0.125627	0.009172
	5	0.934299	0.085701	-0.020019
	6	0.968972	0.058598	-0.047354
	7	0.991070	0.035579	-0.080216

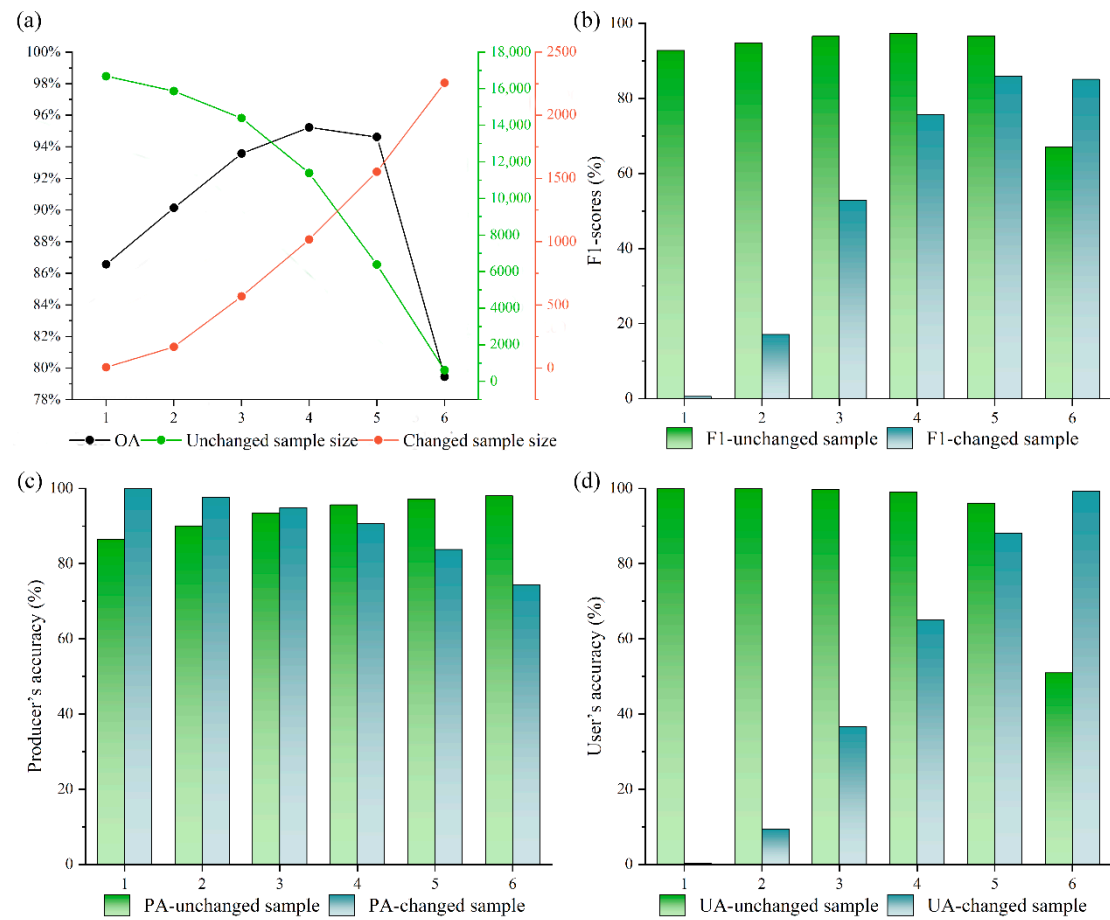


Figure S4. Variation of sample size and OA with different thresholds (a), F1 score (b), the PA (c), and the UA (d) within the 8th category.