

**AGGREGGATE (FIGURE 1)**

ROC AUC

	Modality	Azadirachta indica	Vachellia nilotica	Ailanthus excelsa
0	SkySat	0.574925	0.605584	
1	Sentinel2	0.679038	0.5	
2	BI0-CLIP GSV	0.817287	0.904424	
3	(ResNet GSV)	0.827834	0.884836	

0	0.543965		
1	0.764794		
2	0.929046		
3	0.941305		

	Prosopis cineraria	prosopis juliflora
0	0.663505	0.662299
1	0.77808	0.861173
2	0.896784	0.970337
3	0.867096	0.953557

AUPRC

	Modality	Azadirachta indica	Vachellia nilotica
0	Fraction of Positives	0.293567	0.222222
1	SkySat	0.371341	0.301546
2	Sentinel2	0.453567	0.23015
3	BI0-CLIP GSV	0.718092	0.78853
4	(ResNet GSV)	0.708198	0.770968

0	0.115789	0.106433	0.045614
1	0.126902	0.180524	0.105844
2	0.291568	0.296386	0.241187
3	0.743235	0.646401	0.713645
4	0.738128	0.494139	0.677297

	Ailanthus excelsa	Prosopis cineraria	prosopis juliflora
0	0.115789	0.106433	0.045614
1	0.126902	0.180524	0.105844
2	0.291568	0.296386	0.241187
3	0.743235	0.646401	0.713645
4	0.738128	0.494139	0.677297

Accuracy

	Modality	Azadirachta indica	Vachellia nilotica	Ailanthus excelsa
0	SkySat	0.377778	0.733333	
1	Sentinel2	0.647871	0.23015	
2	BI0-CLIP GSV	0.818713	0.878363	
3	(ResNet GSV)	0.777778	0.842105	

0	0.884211		
1	0.70771		
2	0.94269		
3			

0.915789

	Prosopis cineraria	prosopis juliflora
0	0.893567	0.954386
1	0.788262	0.875719
2	0.921637	0.968421
3	0.892398	0.966082

## SENTINEL 2 (BY SHOT #)

ROC AUC

	Species	100	200	300	400
500 \					
0	Azadirachta indica	0.60796	0.627065	0.679981	0.692961
0.709115					
1	Vachellia nilotica	0.599716	0.672257	0.670605	0.689148
0.699088					
2	Ailanthus excelsa	0.691516	0.723014	0.725754	0.742647
0.747448					
3	Prosopis cineraria	0.659023	0.711454	0.757514	0.764464
0.769407					
600	700				
0	0.733814	0.719349			
1	0.707063	0.735927			
2	0.742722	0.754022			
3	0.758418	0.758842			

AUPRC

	Species	100	200	300	400
500 \					
0	Azadirachta indica	0.385132	0.402345	0.459246	0.469205
0.481401					
1	Vachellia nilotica	0.321888	0.366967	0.384833	0.385811
0.41845					
2	Ailanthus excelsa	0.215658	0.25528	0.251075	0.26567
0.275023					
3	Prosopis cineraria	0.165622	0.203769	0.248424	0.254996
0.272199					
600	700				
0	0.512505	0.489071			
1	0.423307	0.460037			
2	0.27727	0.281998			
3	0.252189	0.257976			

Accuracy

	Species	100	200	300	400
500 \					
0	Azadirachta indica	0.56962	0.567319	0.552359	0.621404
0.640967					
1	Vachellia nilotica	0.525892	0.612198	0.597238	0.589183
0.64672					
2	Ailanthus excelsa	0.531646	0.593786	0.628308	0.72267
0.693901					
3	Prosopis cineraria	0.573072	0.601841	0.697353	0.693901
0.751438					
	600	700			
0	0.654776	0.578826			
1	0.63061	0.678941			
2	0.743383	0.712313			
3	0.76985	0.792865			

#### BIO-CLIP (BY SHOT #)

ROC AUC

	Species	1000	2000	3000	4000
5000 \					
0	Azadirachta indica	0.776412	0.763413	0.802199	0.854817
0.841816					
1	Vachellia nilotica	0.846622	0.861521	0.867101	0.883036
0.881883					
2	Ailanthus excelsa	0.815739	0.828529	0.858594	0.860966
0.876007					
3	Prosopis cineraria	0.779062	0.810436	0.838094	0.845273
0.852823					
	6000	7000	8000	9000	
0	0.842979	0.846208	0.853486	0.862699	
1	0.891522	0.89252	0.893296	0.885001	
2	0.874302	0.86497	0.866272	0.898948	
3	0.858464	0.863922	0.875295	0.881655	

AUPRC

	Species	1000	2000	3000	4000
5000 \					
0	Azadirachta indica	0.628524	0.62065	0.675534	0.744324
0.731527					
1	Vachellia nilotica	0.669803	0.701669	0.716675	0.740129
0.734343					
2	Ailanthus excelsa	0.517833	0.524991	0.633318	0.606284

0.667322  
 3 Prosopis cineraria 0.329057 0.373147 0.484282 0.501658  
 0.517479

	6000	7000	8000	9000
0	0.738682	0.752621	0.760638	0.772641
1	0.763926	0.76428	0.754516	0.73675
2	0.646542	0.64248	0.628305	0.695582
3	0.526583	0.518361	0.555226	0.561821

Accuracy

	Species	1000	2000	3000	4000
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5000 \

0	Azadirachta indica	0.782759	0.783621	0.802586	0.815517
1	Vachellia nilotica	0.831897	0.846552	0.856897	0.861207
2	Ailanthus excelsa	0.900862	0.906034	0.92931	0.925
3	Prosopis cineraria	0.877586	0.87069	0.891379	0.893966

0.823276  
 0.867241  
 0.931897  
 0.893103

	6000	7000	8000	9000
0	0.825	0.832759	0.837931	0.850862
1	0.862069	0.857759	0.867241	0.868966
2	0.923276	0.931034	0.928448	0.938793
3	0.893103	0.893966	0.900862	0.906897