Table 7.1: Results of the version proposed by (Krinski et al., 2023) when unifying the training sets. *p* stands for probability. The values highlighted in green show the data augmentation techniques in which the P-value achieved values lower than 0.05, and thus the null hypothesis was rejected (i.e., there is a statistical difference and the results achieved are better than without data augmentation). Two variations of the algorithm were evaluated. The + F indicates the variation in which the lesion images were horizontally flipped before being added to the healthy image generated by the GANs.

p	**Augmentation**	**CC-CCII**		**MedSeg**		**MosMed**		**Ricord1a**		**Zenodo**	
		F-score	IoU	F-score	IoU	F-score	IoU	F-score	IoU	F-score	IoU
	No Augmentation	0.8636	0.8087	0.8881	0.8253	0.8185	0.7547	0.8599	0.7947	0.9096	0.8514
0.05	Stargan	0.8604	0.8054	0.8879	0.8251	0.8179	0.7546	0.8671	0.8033	0.9100	0.8522
	Stargan+ F	0.8596	0.8053	0.8877	0.8249	0.8196	0.7559	0.8610	0.7962	0.9099	0.8521
	Stylegan	0.8643	0.8088	0.8885	0.8259	0.8174	0.7544	0.8590	0.7939	0.9098	0.8518
	Stylegan+ F	0.8646	0.8092	0.8887	0.8261	0.8211	0.7584	0.8696	0.8065	0.9106	0.8530
0.1	Stargan	0.8657	0.8100	0.8852	0.8224	0.8163	0.7530	0.8577	0.7924	0.9091	0.8508
	Stargan+ F	0.8635	0.8084	0.8888	0.8262	0.8187	0.7562	0.8648	0.8006	0.9103	0.8525
	Stylegan	0.8657	0.8101	0.8873	0.8244	0.8182	0.7545	0.8561	0.7906	0.9085	0.8502
	Stylegan+ F	0.8656	0.8087	0.8914	0.8291	0.8208	0.7576	0.8614	0.7967	0.9093	0.8514
0.15	Stargan	0.8608	0.8059	0.8852	0.8226	0.8225	0.7594	0.8595	0.7950	0.9095	0.8515
	Stargan+ F	0.8631	0.8072	0.8887	0.8261	0.8186	0.7551	0.8681	0.8047	0.9100	0.8522
	Stylegan	0.8658	0.8104	0.8888	0.8258	0.8213	0.7576	0.8640	0.8003	0.9105	0.8527
	Stylegan+ F	0.8641	0.8096	0.8897	0.8270	0.8254	0.7617	0.8708	0.8077	0.9112	0.8537
0.2	Stargan	0.8637	0.8075	0.8889	0.8264	0.8217	0.7584	0.8684	0.8050	0.9104	0.8527
	Stargan+ F	0.8673	0.8120	0.8882	0.8261	0.8197	0.7569	0.8693	0.8061	0.9112	0.8536
	Stylegan	0.8646	0.8095	0.8893	0.8264	0.8168	0.7535	0.8621	0.7979	0.9096	0.8516
	Stylegan+ F	0.8639	0.8096	0.8892	0.8265	0.8272	0.7638	0.8733	0.8106	0.9105	0.8530
0.25	Stargan	0.8642	0.8080	0.8874	0.8250	0.8188	0.7560	0.8685	0.8053	0.9106	0.8527
	Stargan+ F	0.8660	0.8098	0.8891	0.8271	0.8254	0.7619	0.8739	0.8118	0.9106	0.8531
	Stylegan	0.8647	0.8089	0.8905	0.8285	0.8212	0.7580	0.8714	0.8086	0.9115	0.8541
	Stylegan+ F	0.8659	0.8100	0.8887	0.8258	0.8185	0.7553	0.8683	0.8049	0.9103	0.8526
0.3	Stargan	0.8665	0.8109	0.8877	0.8255	0.8190	0.7555	0.8654	0.8018	0.9096	0.8516
	Stargan+ F	0.8626	0.8074	0.8876	0.8248	0.8227	0.7595	0.8703	0.8074	0.9104	0.8525
	Stylegan	0.8649	0.8094	0.8893	0.8270	0.8198	0.7566	0.8666	0.8031	0.9101	0.8526
	Stylegan+ F	0.8684	0.8124	0.8884	0.8260	0.8241	0.7605	0.8688	0.8054	0.9104	0.8525
0.35	Stargan	0.8647	0.8089	0.8850	0.8225	0.8228	0.7595	0.8650	0.8013	0.9097	0.8516
	Stargan+ F	0.8651	0.8095	0.8909	0.8286	0.8242	0.7608	0.8732	0.8107	0.9116	0.8541
	Stylegan	0.8655	0.8095	0.8868	0.8242	0.8216	0.7580	0.8628	0.7988	0.9105	0.8524
	Stylegan+ F	0.8688	0.8136	0.8899	0.8273	0.8271	0.7638	0.8769	0.8150	0.9122	0.8551
0.4	Stargan	0.8642	0.8083	0.8885	0.8266	0.8231	0.7605	0.8744	0.8122	0.9117	0.8542
	Stargan+ F	0.8652	0.8088	0.8902	0.8285	0.8280	0.7648	0.8726	0.8099	0.9115	0.8542
	Stylegan	0.8629	0.8076	0.8891	0.8274	0.8250	0.7624	0.8769	0.8152	0.9125	0.8557
	Stylegan+ F	0.8660	0.8105	0.8913	0.8294	0.8287	0.7659	0.8768	0.8152	0.9125	0.8556
0.45	Stargan	0.8644	0.8102	0.8915	0.8297	0.8239	0.7610	0.8752	0.8131	0.9108	0.8532
	Stargan+ F	0.8627	0.8078	0.8886	0.8266	0.8240	0.7600	0.8737	0.8116	0.9110	0.8534
	Stylegan	0.8665	0.8111	0.8866	0.8239	0.8196	0.7567	0.8617	0.7975	0.9097	0.8520
	Stylegan+ F	0.8674	0.8115	0.8900	0.8280	0.8259	0.7629	0.8782	0.8165	0.9120	0.8548
0.5	Stargan	0.8592	0.8044	0.8893	0.8271	0.8248	0.7608	0.8719	0.8092	0.9107	0.8529
	Stargan+ F	0.8646	0.8087	0.8914	0.8292	0.8303	0.7669	0.8782	0.8168	0.9123	0.8553
	Stylegan	0.8643	0.8083	0.8885	0.8258	0.8223	0.7591	0.8700	0.8073	0.9106	0.8530
	Stylegan+ F	0.8669	0.8110	0.8907	0.8288	0.8293	0.7670	0.8783	0.8167	0.9123	0.8552