Table 7.1: Results of the data augmentation evaluation when unifying the training sets. *p* stands for probability, the blue-colored values indicate the best F-score value, and the red-colored values indicate the best IoU values. 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). The underscored values show the techniques where training with the unified set achieved a P-value lower than 0.05 when compared with training with a single training set, and the null hypothesis was rejected.

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	CLAHE	0.8580	0.8025	0.8873	0.8247	0.8198	0.7554	0.8585	0.7932	0.9098	0.8521
	Coarse Dropout	0.8624	0.8071	0.8882	0.8260	0.8266	0.7631	0.8585	0.7930	0.9097	0.8517
	Elastic Transform	**0.8722**	**0.8168**	0.8913	0.8294	0.8281	0.7634	0.8553	0.7887	0.9113	0.8536
	Emboss	0.8659	0.8103	0.8876	0.8250	0.8237	0.7607	0.8552	0.7889	0.9113	0.8536
	Flip	0.8659	0.8103	0.8911	0.8290	0.8265	0.7628	0.8610	0.7958	0.9111	0.8535
	Gaussian Blur	0.8641	0.8089	0.8868	0.8242	0.8189	0.7555	0.8579	0.7925	0.9106	0.8527
	Grid Distortion	0.8687	0.8133	**0.8922**	**0.8303**	0.8272	0.7624	0.8605	0.7951	0.9115	0.8539
	Grid Dropout	0.8631	0.8069	0.8867	0.8243	0.8218	0.7576	0.8578	0.7917	0.9094	0.8511
	Image Compression	0.8620	0.8060	0.8870	0.8242	0.8203	0.7564	0.8589	0.7932	0.9101	0.8519
	Median Blur	0.8608	0.8055	0.8884	0.8259	0.8227	0.7584	0.8592	0.7933	0.9103	0.8526
	Optical Distortion	0.8685	0.8126	0.8898	0.8279	0.8236	0.7609	0.8608	0.7958	0.9110	0.8535
	Piecewise Affine	0.8708	0.8153	0.8915	0.8296	**0.8318**	**0.7682**	**0.8709**	**0.8073**	**0.9119**	**0.8544**
	Posterize	0.8643	0.8092	0.8897	0.8274	0.8261	0.7627	0.8641	0.7996	0.9110	0.8535
	RBC	0.8614	0.8054	0.8856	0.8226	0.8207	0.7569	0.8565	0.7905	0.9103	0.8522
	Random Crop	0.8607	0.8056	0.8870	0.8239	0.8195	0.7554	0.8524	0.7856	0.9088	0.8505
	Random Gamma	0.8675	0.8105	0.8854	0.8225	0.8192	0.7545	0.8526	0.7860	0.9087	0.8502
	Random Snow	0.8647	0.8096	0.8873	0.8244	0.8213	0.7580	0.8586	0.7931	0.9103	0.8527
	Rotate	0.8695	0.8144	0.8902	0.8279	0.8277	0.7635	0.8609	0.7956	0.9118	0.8543
	Sharpen	0.8661	0.8098	0.8901	0.8277	0.8167	0.7532	0.8545	0.7884	0.9108	0.8526
	Shift Scale Rotate	0.8680	0.8129	0.8910	0.8293	0.8289	0.7657	0.8647	0.8001	0.9115	0.8541
0.1	CLAHE	0.8561	0.8004	0.8866	0.8237	0.8172	0.7548	0.8606	0.7953	0.9084	0.8502
	Coarse Dropout	0.8609	0.8059	0.8883	0.8264	0.8239	0.7612	0.8648	0.8004	0.9103	0.8528
	Elastic Transform	0.8720	0.8176	0.8927	0.8313	0.8315	0.7676	0.8567	0.7904	**0.9122**	**0.8552**
	Emboss	0.8633	0.8083	0.8885	0.8263	0.8189	0.7564	0.8609	0.7958	0.9114	0.8539
	Flip	0.8691	0.8139	0.8907	0.8289	0.8267	0.7625	0.8542	0.7880	0.9104	0.8527
	Gaussian Blur	0.8657	0.8108	0.8880	0.8259	0.8134	0.7508	0.8576	0.7916	0.9098	0.8516
	Grid Distortion	0.8713	0.8173	0.8935	0.8317	0.8319	0.7685	0.8536	0.7870	0.9119	0.8545
	Grid Dropout	0.8610	0.8048	0.8873	0.8254	0.8297	0.7670	**0.8668**	**0.8023**	0.9108	0.8530
	Image Compression	0.8634	0.8081	0.8875	0.8250	0.8205	0.7570	0.8605	0.7950	0.9091	0.8511
	Median Blur	0.8627	0.8076	0.8890	0.8261	0.8155	0.7527	0.8561	0.7899	0.9100	0.8523
	Optical Distortion	0.8629	0.8085	0.8911	0.8291	0.8255	0.7615	0.8581	0.7925	0.9115	0.8539
	Piecewise Affine	0.8729	0.8180	**0.8937**	**0.8320**	0.8306	0.7666	0.8572	0.7910	0.9121	0.8547
	Posterize	0.8621	0.8074	0.8890	0.8265	0.8212	0.7576	0.8610	0.7958	0.9106	0.8526
	RBC	0.8617	0.8049	0.8885	0.8254	0.8241	0.7603	0.8608	0.7958	0.9098	0.8519
	Random Crop	0.8606	0.8050	0.8870	0.8239	0.8166	0.7536	0.8559	0.7899	0.9095	0.8513
	Random Gamma	0.8645	0.8091	0.8882	0.8253	0.8197	0.7550	0.8566	0.7906	0.9091	0.8510
	Random Snow	0.8616	0.8065	0.8896	0.8270	0.8227	0.7595	0.8576	0.7921	0.9106	0.8530
	Rotate	0.8724	0.8172	0.8924	0.8312	**0.8353**	**0.7710**	0.8568	0.7908	0.9117	0.8541
	Sharpen	0.8633	0.8080	0.8899	0.8278	0.8236	0.7603	0.8633	0.7985	0.9116	0.8545
	Shift Scale Rotate	**0.8743**	**0.8204**	0.8926	0.8317	0.8297	0.7653	0.8553	0.7890	0.9118	0.8544

Table 7.2: Results of the data augmentation evaluation when unifying the training sets (Continuation of Table 7.1). p stands for probability, the blue-colored values indicate the best F-score values, and the red-colored values indicate the best IoU values. 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). The underscored values show the techniques where training with the combined training sets achieved a P-value lower than 0.05 when compared with training with a single training set, and the null hypothesis was rejected.

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
0.15	CLAHE	0.8548	0.7992	0.8883	0.8252	0.8179	0.7552	0.8602	0.7947	0.9088	0.8506
	Coarse Dropout	0.8629	0.8071	0.8895	0.8276	0.8283	0.7642	0.8610	0.7959	0.9100	0.8522
	Elastic Transform	0.8734	0.8203	0.8920	0.8310	0.8345	0.7704	0.8594	0.7938	0.9111	0.8537
	Emboss	0.8643	0.8097	0.8908	0.8291	0.8229	0.7591	0.8577	0.7918	0.9115	0.8541
	Flip	0.8704	0.8164	0.8922	0.8308	0.8358	0.7717	0.8587	0.7933	0.9123	0.8547
	Gaussian Blur	0.8641	0.8086	0.8912	0.8295	0.8207	0.7575	**0.8729**	**0.8100**	0.9127	0.8557
	Grid Distortion	0.8736	0.8193	0.8939	0.8326	0.8353	0.7720	0.8612	0.7961	0.9136	0.8568
	Grid Dropout	0.8633	0.8080	0.8873	0.8250	0.8246	0.7610	0.8635	0.7987	0.9102	0.8521
	Image Compression	0.8654	0.8103	0.8863	0.8235	0.8199	0.7561	0.8574	0.7915	0.9095	0.8511
	Median Blur	0.8649	0.8093	0.8901	0.8286	0.8258	0.7615	0.8677	0.8036	0.9116	0.8545
	Optical Distortion	0.8676	0.8130	0.8914	0.8297	0.8245	0.7610	0.8538	0.7874	0.9114	0.8541
	Piecewise Affine	0.8758	0.8225	**0.8944**	0.8335	0.8353	0.7713	0.8610	0.7955	0.9135	0.8565
	Posterize	0.8623	0.8070	0.8905	0.8280	0.8242	0.7604	0.8617	0.7967	0.9097	0.8520
	RBC	0.8581	0.8019	0.8884	0.8255	0.8222	0.7577	0.8570	0.7910	0.9086	0.8505
	Random Crop	0.8648	0.8095	0.8890	0.8267	0.8238	0.7602	0.8668	0.8026	0.9109	0.8533
	Random Gamma	0.8609	0.8045	0.8887	0.8258	0.8176	0.7536	0.8596	0.7938	0.9090	0.8508
	Random Snow	0.8609	0.8063	0.8907	0.8285	0.8281	0.7651	0.8643	0.7997	0.9104	0.8531
	Rotate	0.8762	0.8219	**0.8944**	0.8333	0.8350	0.7696	0.8517	0.7847	0.9115	0.8539
	Sharpen	0.8641	0.8087	0.8893	0.8273	0.8220	0.7580	0.8663	0.8022	0.9128	0.8558
	Shift Scale Rotate	**0.8766**	**0.8234**	0.8941	**0.8336**	**0.8374**	**0.7744**	0.8652	0.8007	**0.9144**	**0.8576**
0.2	CLAHE	0.8569	0.8020	0.8872	0.8240	0.8183	0.7546	0.8602	0.7946	0.9093	0.8509
	Coarse Dropout	0.8597	0.8052	0.8873	0.8255	0.8244	0.7605	0.8575	0.7915	0.9106	0.8528
	Elastic Transform	0.8746	0.8215	0.8959	0.8352	0.8356	0.7728	0.8572	0.7912	0.9133	0.8564
	Emboss	0.8632	0.8088	0.8907	0.8288	0.8285	0.7641	**0.8686**	**0.8046**	0.9131	0.8557
	Flip	0.8722	0.8177	0.8926	0.8310	0.8316	0.7672	0.8561	0.7900	0.9119	0.8542
	Gaussian Blur	0.8615	0.8067	0.8888	0.8264	0.8170	0.7527	0.8616	0.7965	0.9116	0.8541
	Grid Distortion	0.8750	0.8219	0.8961	0.8356	0.8391	0.7761	0.8597	0.7941	0.9133	0.8561
	Grid Dropout	0.8613	0.8058	0.8879	0.8259	0.8240	0.7611	0.8591	0.7934	0.9090	0.8506
	Image Compression	0.8625	0.8068	0.8876	0.8247	0.8166	0.7537	0.8569	0.7910	0.9091	0.8510
	Median Blur	0.8656	0.8104	0.8901	0.8282	0.8173	0.7545	0.8630	0.7979	0.9108	0.8531
	Optical Distortion	0.8678	0.8133	0.8921	0.8301	0.8264	0.7633	0.8632	0.7984	0.9121	0.8550
	Piecewise Affine	**0.8761**	**0.8231**	0.8957	0.8351	0.8365	0.7732	0.8603	0.7948	**0.9140**	**0.8569**
	Posterize	0.8609	0.8058	0.8889	0.8264	0.8201	0.7559	0.8530	0.7860	0.9104	0.8523
	RBC	0.8599	0.8045	0.8873	0.8240	0.8209	0.7565	0.8486	0.7812	0.9086	0.8502
	Random Crop	0.8632	0.8070	0.8871	0.8243	0.8209	0.7576	0.8632	0.7986	0.9103	0.8523
	Random Gamma	0.8631	0.8074	0.8860	0.8233	0.8206	0.7572	0.8587	0.7929	0.9096	0.8516
	Random Snow	0.8632	0.8089	0.8909	0.8286	0.8278	0.7650	0.8622	0.7971	0.9116	0.8540
	Rotate	0.8753	0.8216	0.8949	0.8343	0.8391	0.7741	0.8542	0.7878	0.9121	0.8544
	Sharpen	0.8631	0.8077	0.8895	0.8277	0.8202	0.7566	0.8633	0.7985	0.9115	0.8541
	Shift Scale Rotate	**0.8761**	0.8230	**0.8992**	**0.8392**	**0.8431**	**0.7808**	0.8666	0.8021	0.9135	0.8568

Table 7.3: Results of the data augmentation evaluation when unifying the training sets (Continuation of Tables 7.1 and 7.2). p stands for probability, the blue-colored values indicate the best F-score values, and the red-colored values indicate the best IoU values. 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). The underscored values show the techniques in which training with the combined training sets achieved a P-value lower than 0.05 when compared with training with a single training set, and the null hypothesis was rejected.

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
0.25	CLAHE	0.8565	0.8006	0.8856	0.8227	0.8212	0.7579	0.8654	0.8010	0.9098	0.8516
	Coarse Dropout	0.8635	0.8084	0.8899	0.8279	0.8292	0.7653	0.8637	0.7988	0.9113	0.8538
	Elastic Transform	0.8758	0.8235	**0.8981**	**0.8376**	0.8378	0.7739	0.8594	0.7937	0.9135	0.8568
	Emboss	0.8641	0.8105	0.8925	0.8306	0.8233	0.7600	**0.8707**	**0.8074**	0.9124	0.8555
	Flip	0.8717	0.8178	0.8926	0.8311	0.8338	0.7697	0.8546	0.7884	0.9113	0.8532
	Gaussian Blur	0.8604	0.8060	0.8898	0.8279	0.8218	0.7582	0.8682	0.8040	0.9115	0.8542
	Grid Distortion	0.8761	0.8236	0.8960	0.8349	0.8398	0.7759	0.8547	0.7882	0.9137	0.8568
	Grid Dropout	0.8628	0.8072	0.8890	0.8270	0.8270	0.7634	0.8607	0.7952	0.9079	0.8499
	Image Compression	0.8629	0.8078	0.8892	0.8269	0.8195	0.7569	0.8669	0.8029	0.9112	0.8535
	Median Blur	0.8622	0.8081	0.8881	0.8261	0.8219	0.7585	0.8632	0.7981	0.9123	0.8550
	Optical Distortion	0.8699	0.8161	0.8927	0.8317	0.8307	0.7681	0.8636	0.7987	0.9126	0.8560
	Piecewise Affine	**0.8778**	**0.8250**	0.8959	0.8357	0.8425	0.7791	0.8633	0.7982	**0.9144**	**0.8577**
	Posterize	0.8627	0.8068	0.8882	0.8259	0.8160	0.7521	0.8522	0.7857	0.9089	0.8506
	RBC	0.8602	0.8035	0.8882	0.8255	0.8228	0.7586	0.8602	0.7948	0.9098	0.8517
	Random Crop	0.8632	0.8072	0.8883	0.8257	0.8220	0.7587	0.8634	0.7990	0.9101	0.8526
	Random Gamma	0.8640	0.8087	0.8893	0.8272	0.8229	0.7600	0.8611	0.7957	0.9096	0.8518
	Random Snow	0.8634	0.8093	0.8913	0.8291	0.8288	0.7665	0.8665	0.8021	0.9130	0.8556
	Rotate	0.8762	0.8221	0.8952	0.8343	0.8409	0.7758	0.8514	0.7848	0.9118	0.8539
	Sharpen	0.8625	0.8074	0.8906	0.8282	0.8183	0.7549	0.8576	0.7919	0.9115	0.8540
	Shift Scale Rotate	0.8774	0.8244	0.8973	0.8372	**0.8432**	**0.7799**	0.8602	0.7945	0.9133	0.8560
0.3	CLAHE	0.8564	0.8001	0.8854	0.8229	0.8202	0.7569	0.8648	0.8000	0.9096	0.8516
	Coarse Dropout	0.8632	0.8084	0.8910	0.8290	0.8284	0.7645	0.8598	0.7945	0.9094	0.8517
	Elastic Transform	0.8747	0.8235	0.8978	0.8383	0.8414	0.7781	0.8622	0.7971	**0.9147**	**0.8583**
	Emboss	0.8657	0.8110	0.8901	0.8280	0.8219	0.7593	0.8682	0.8039	0.9127	0.8557
	Flip	0.8732	0.8193	0.8933	0.8323	0.8297	0.7658	0.8501	0.7831	0.9108	0.8523
	Gaussian Blur	0.8644	0.8085	0.8899	0.8281	0.8154	0.7530	**0.8718**	**0.8085**	0.9121	0.8548
	Grid Distortion	0.8750	0.8225	**0.8994**	**0.8394**	**0.8448**	**0.7814**	0.8625	0.7975	0.9141	0.8575
	Grid Dropout	0.8563	0.8019	0.8881	0.8262	0.8277	0.7646	0.8627	0.7973	0.9094	0.8511
	Image Compression	0.8629	0.8078	0.8882	0.8259	0.8243	0.7607	0.8639	0.7993	0.9115	0.8538
	Median Blur	0.8647	0.8093	0.8900	0.8274	0.8190	0.7550	0.8608	0.7954	0.9124	0.8552
	Optical Distortion	0.8700	0.8157	0.8928	0.8316	0.8238	0.7613	0.8637	0.7989	0.9141	0.8575
	Piecewise Affine	0.8764	0.8229	0.8952	0.8349	0.8384	0.7750	0.8598	0.7942	0.9137	0.8567
	Posterize	0.8625	0.8067	0.8902	0.8281	0.8243	0.7597	0.8593	0.7940	0.9111	0.8536
	RBC	0.8591	0.8028	0.8904	0.8281	0.8299	0.7653	0.8632	0.7982	0.9094	0.8514
	Random Crop	0.8631	0.8073	0.8859	0.8228	0.8193	0.7558	0.8659	0.8017	0.9107	0.8527
	Random Gamma	0.8635	0.8077	0.8883	0.8254	0.8199	0.7562	0.8574	0.7912	0.9092	0.8511
	Random Snow	0.8659	0.8112	0.8901	0.8284	0.8333	0.7703	0.8671	0.8029	0.9125	0.8557
	Rotate	**0.8774**	0.8237	0.8964	0.8356	0.8401	0.7757	0.8494	0.7823	0.9112	0.8533
	Sharpen	0.8635	0.8085	0.8890	0.8270	0.8144	0.7512	0.8629	0.7980	0.9113	0.8539
	Shift Scale Rotate	0.8767	**0.8239**	0.8984	0.8382	0.8417	0.7786	0.8583	0.7924	0.9126	0.8554

Table 7.4: Results of the data augmentation evaluation when unifying the training sets (Continuation of Tables 7.1, 7.2 and 7.3). p stands for probability, the blue-colored values indicate the best F-score values, and the red-colored values indicate the best IoU values. 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). The underscored values show the techniques in which training with the combined training sets achieved a P-value lower than 0.05 when compared with training with a single training set, and the null hypothesis was rejected.

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
0.35	CLAHE	0.8542	0.7986	0.8867	0.8233	0.8205	0.7568	0.8656	0.8012	0.9086	0.8507
	Coarse Dropout	0.8647	0.8105	0.8904	0.8284	0.8343	0.7706	0.8673	0.8031	0.9118	0.8541
	Elastic Transform	0.8771	0.8250	**0.8989**	**0.8394**	**0.8459**	**0.7834**	0.8647	0.7997	**0.9147**	**0.8581**
	Emboss	0.8643	0.8100	0.8913	0.8295	0.8229	0.7592	**0.8713**	**0.8079**	0.9130	0.8561
	Flip	0.8714	0.8171	0.8951	0.8338	0.8348	0.7714	0.8519	0.7855	0.9107	0.8523
	Gaussian Blur	0.8668	0.8113	0.8909	0.8293	0.8211	0.7574	0.8691	0.8050	0.9122	0.8548
	Grid Distortion	0.8786	**0.8266**	0.8985	0.8381	0.8379	0.7744	0.8548	0.7884	0.9138	0.8568
	Grid Dropout	0.8615	0.8069	0.8883	0.8263	0.8284	0.7636	0.8570	0.7907	0.9089	0.8505
	Image Compression	0.8658	0.8097	0.8864	0.8239	0.8146	0.7515	0.8569	0.7910	0.9110	0.8531
	Median Blur	0.8628	0.8071	0.8900	0.8283	0.8187	0.7545	0.8621	0.7970	0.9123	0.8549
	Optical Distortion	0.8726	0.8185	0.8935	0.8325	0.8262	0.7634	0.8566	0.7908	0.9136	0.8567
	Piecewise Affine	0.8774	0.8251	0.8982	0.8386	0.8413	0.7788	0.8623	0.7970	0.9138	0.8570
	Posterize	0.8584	0.8033	0.8908	0.8286	0.8249	0.7607	0.8642	0.7994	0.9100	0.8520
	RBC	0.8609	0.8046	0.8883	0.8252	0.8236	0.7595	0.8570	0.7912	0.9092	0.8514
	Random Crop	0.8588	0.8038	0.8885	0.8257	0.8212	0.7573	0.8585	0.7928	0.9088	0.8509
	Random Gamma	0.8644	0.8083	0.8892	0.8263	0.8158	0.7531	0.8623	0.7975	0.9102	0.8523
	Random Snow	0.8670	0.8121	0.8910	0.8290	0.8323	0.7691	0.8657	0.8011	0.9120	0.8549
	Rotate	**0.8787**	0.8248	0.8959	0.8354	0.8405	0.7765	0.8498	0.7832	0.9111	0.8530
	Sharpen	0.8625	0.8072	0.8920	0.8303	0.8194	0.7560	0.8598	0.7946	0.9110	0.8533
	Shift Scale Rotate	0.8783	0.8257	0.8977	0.8377	0.8454	0.7826	0.8598	0.7943	0.9135	0.8565
0.4	CLAHE	0.8530	0.7973	0.8865	0.8233	0.8154	0.7524	0.8642	0.7994	0.9097	0.8517
	Coarse Dropout	0.8635	0.8076	0.8896	0.8279	0.8253	0.7619	0.8594	0.7938	0.9105	0.8527
	Elastic Transform	0.8771	0.8252	0.8975	0.8378	0.8403	0.7772	0.8582	0.7923	**0.9144**	**0.8575**
	Emboss	0.8652	0.8104	0.8902	0.8285	0.8246	0.7610	0.8681	0.8042	0.9119	0.8549
	Flip	0.8722	0.8173	0.8935	0.8321	0.8360	0.7713	0.8484	0.7813	0.9096	0.8505
	Gaussian Blur	0.8637	0.8093	0.8909	0.8293	0.8247	0.7601	**0.8714**	**0.8080**	0.9122	0.8551
	Grid Distortion	**0.8784**	0.8260	0.8989	0.8390	0.8402	0.7767	0.8558	0.7895	0.9140	0.8570
	Grid Dropout	0.8629	0.8070	0.8886	0.8261	0.8235	0.7604	0.8531	0.7866	0.9083	0.8496
	Image Compression	0.8642	0.8087	0.8887	0.8265	0.8203	0.7570	0.8593	0.7939	0.9106	0.8527
	Median Blur	0.8644	0.8084	0.8883	0.8264	0.8158	0.7523	0.8556	0.7893	0.9120	0.8540
	Optical Distortion	0.8714	0.8169	0.8916	0.8303	0.8287	0.7641	0.8557	0.7897	0.9135	0.8564
	Piecewise Affine	0.8745	0.8227	0.8965	0.8363	0.8409	0.7788	0.8600	0.7943	0.9142	0.8573
	Posterize	0.8621	0.8075	0.8923	0.8304	0.8210	0.7575	0.8641	0.7991	0.9103	0.8528
	RBC	0.8596	0.8029	0.8870	0.8238	0.8213	0.7573	0.8510	0.7840	0.9079	0.8494
	Random Crop	0.8632	0.8078	0.8883	0.8262	0.8217	0.7575	0.8610	0.7959	0.9092	0.8515
	Random Gamma	0.8650	0.8090	0.8886	0.8258	0.8169	0.7541	0.8581	0.7923	0.9093	0.8515
	Random Snow	0.8700	0.8157	0.8922	0.8304	0.8343	0.7719	0.8690	0.8051	0.9124	0.8554
	Rotate	0.8770	0.8233	0.8954	0.8353	0.8408	0.7767	0.8491	0.7822	0.9110	0.8529
	Sharpen	0.8623	0.8068	0.8917	0.8298	0.8180	0.7543	0.8636	0.7990	0.9123	0.8552
	Shift Scale Rotate	**0.8784**	**0.8267**	**0.8993**	**0.8399**	**0.8472**	**0.7845**	0.8598	0.7943	0.9143	0.8574

Table 7.5: Results of the data augmentation evaluation when unifying the training sets (Continuation of Tables 7.1, 7.2, 7.3 and 7.4). *p* stands for probability, the blue-colored values indicate the best F-score values, and the red-colored values indicate the best IoU values. 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). The underscored values show the techniques in which training with the combined training sets achieved a P-value lower than 0.05 when compared with training with a single training set, and the null hypothesis was rejected.

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
0.45	CLAHE	0.8524	0.7972	0.8851	0.8217	0.8177	0.7537	0.8543	0.7878	0.9081	0.8494
	Coarse Dropout	0.8666	0.8114	0.8918	0.8302	0.8333	0.7694	0.8703	0.8064	0.9117	0.8544
	Elastic Transform	0.8778	**0.8256**	0.8991	0.8392	0.8454	0.7831	0.8633	0.7981	**0.9152**	**0.8587**
	Emboss	0.8626	0.8084	0.8895	0.8273	0.8183	0.7543	0.8571	0.7909	0.9112	0.8537
	Flip	0.8722	0.8176	0.8935	0.8322	0.8339	0.7707	0.8486	0.7817	0.9084	0.8489
	Gaussian Blur	0.8612	0.8060	0.8908	0.8296	0.8188	0.7563	**0.8707**	**0.8073**	0.9131	0.8561
	Grid Distortion	0.8771	0.8253	**0.8994**	**0.8393**	0.8452	0.7826	0.8620	0.7967	0.9151	0.8585
	Grid Dropout	0.8632	0.8077	0.8900	0.8280	0.8279	0.7645	0.8646	0.7998	0.9097	0.8515
	Image Compression	0.8610	0.8054	0.8878	0.8253	0.8218	0.7582	0.8588	0.7935	0.9106	0.8527
	Median Blur	0.8652	0.8099	0.8904	0.8288	0.8181	0.7546	0.8626	0.7973	0.9113	0.8539
	Optical Distortion	0.8726	0.8199	0.8962	0.8361	0.8322	0.7693	0.8672	0.8030	0.9146	0.8585
	Piecewise Affine	0.8771	0.8253	0.8962	0.8360	0.8426	0.7792	0.8586	0.7926	0.9135	0.8564
	Posterize	0.8611	0.8054	0.8905	0.8282	0.8204	0.7570	0.8599	0.7944	0.9098	0.8518
	RBC	0.8586	0.8035	0.8888	0.8258	0.8196	0.7563	0.8532	0.7866	0.9096	0.8513
	Random Crop	0.8608	0.8064	0.8863	0.8231	0.8180	0.7538	0.8548	0.7885	0.9088	0.8505
	Random Gamma	0.8630	0.8076	0.8873	0.8240	0.8184	0.7549	0.8574	0.7917	0.9111	0.8532
	Random Snow	0.8628	0.8091	0.8926	0.8306	0.8347	0.7716	0.8681	0.8041	0.9125	0.8555
	Rotate	**0.8790**	0.8250	0.8990	0.8389	**0.8477**	**0.7841**	0.8500	0.7834	0.9105	0.8525
	Sharpen	0.8604	0.8055	0.8914	0.8298	0.8251	0.7608	0.8704	0.8069	0.9136	0.8570
	Shift Scale Rotate	0.8766	0.8239	0.8987	0.8389	0.8457	0.7819	0.8558	0.7897	0.9126	0.8555
0.5	CLAHE	0.8561	0.8002	0.8847	0.8216	0.8136	0.7513	0.8544	0.7879	0.9088	0.8503
	Coarse Dropout	0.8585	0.8031	0.8921	0.8306	0.8329	0.7692	0.8604	0.7950	0.9112	0.8535
	Elastic Transform	0.8780	0.8263	0.8991	0.8396	0.8443	0.7820	0.8622	0.7969	0.9147	0.8580
	Emboss	0.8662	0.8112	0.8894	0.8277	0.8221	0.7591	0.8646	0.7999	0.9116	0.8544
	Flip	0.8688	0.8137	0.8955	0.8341	0.8396	0.7761	0.8488	0.7818	0.9084	0.8491
	Gaussian Blur	0.8649	0.8098	0.8905	0.8287	0.8214	0.7582	0.8681	0.8040	0.9124	0.8548
	Grid Distortion	0.8782	0.8271	**0.9002**	0.8403	0.8431	0.7796	0.8555	0.7892	0.9145	0.8577
	Grid Dropout	0.8628	0.8070	0.8887	0.8263	0.8244	0.7616	0.8586	0.7926	0.9073	0.8487
	Image Compression	0.8596	0.8054	0.8879	0.8255	0.8172	0.7547	0.8595	0.7942	0.9108	0.8531
	Median Blur	0.8662	0.8113	0.8896	0.8278	0.8206	0.7565	0.8615	0.7963	0.9120	0.8547
	Optical Distortion	0.8710	0.8172	0.8958	0.8355	0.8310	0.7675	0.8647	0.7999	0.9147	**0.8586**
	Piecewise Affine	0.8800	**0.8283**	0.8994	0.8401	0.8453	0.7833	0.8636	0.7987	**0.9153**	**0.8586**
	Posterize	0.8631	0.8072	0.8915	0.8293	0.8217	0.7571	0.8613	0.7962	0.9111	0.8534
	RBC	0.8566	0.8004	0.8891	0.8265	0.8225	0.7581	0.8499	0.7827	0.9084	0.8501
	Random Crop	0.8654	0.8098	0.8887	0.8261	0.8221	0.7585	0.8600	0.7948	0.9101	0.8523
	Random Gamma	0.8644	0.8081	0.8889	0.8261	0.8203	0.7568	0.8569	0.7910	0.9095	0.8514
	Random Snow	0.8664	0.8115	0.8911	0.8290	0.8362	0.7732	0.8675	0.8030	0.9122	0.8550
	Rotate	**0.8806**	0.8273	0.8986	0.8384	0.8470	0.7826	0.8487	0.7820	0.9098	0.8514
	Sharpen	0.8641	0.8093	0.8903	0.8283	0.8240	0.7601	**0.8704**	**0.8066**	0.9136	0.8568
	Shift Scale Rotate	0.8780	0.8261	0.8996	**0.8405**	**0.8477**	**0.7852**	0.8586	0.7929	0.9137	0.8568