

Table SI. AI performance on the entire test dataset. The BCC probability is interpreted such that values closer to 1 indicate a higher likelihood of BCC.

	ground truth	Predicted diagnosis	BCC probability	Sex	Age
Patient 1	BCC	BCC	0.963181	M	94
Patient 2	BCC	BCC	0.924149	F	90
Patient 3	BCC	BCC	0.809376	M	77
Patient 4	BCC	BCC	0.951294	M	87
Patient 5	BCC	BCC	0.586723	F	66
Patient 6	BCC	BCC	0.983946	M	77
Patient 7	BCC	BCC	0.943277	M	72
Patient 8	BCC	BCC	0.993356	F	77
Patient 9	BCC	BCC	0.721827	M	71
Patient 10	BCC	BCC	0.960666	F	83
Patient 11	BCC	BCC	0.996912	F	82
Patient 12	BCC	BCC	0.526027	M	64
Patient 13	BCC	BENIGN	0.724068	F	84
Patient 14	BCC	BENIGN	0.846075	F	47
Patient 15	BCC	BCC	0.997525	F	76
Patient 16	BCC	BCC	0.656744	F	53
Patient 17	BCC	BCC	0.9988	M	89
Patient 18	BCC	BCC	0.978181	M	72
Patient 19	BCC	BCC	0.981909	M	57
Patient 20	BCC	BCC	0.988256	M	58
Patient 21	BCC	BCC	0.975379	M	64
Patient 22	BCC	BCC	0.987747	M	76
Patient 23	BENIGN	BENIGN	0.392146	F	79
Patient 24	BENIGN	BCC	0.034223	M	90
Patient 25	BENIGN	BENIGN	0.000383	F	69
Patient 26	BENIGN	BENIGN	0.005378	F	27
Patient 27	BENIGN	BENIGN	0.090302	F	53
Patient 28	BENIGN	BENIGN	0.001389	M	24
Patient 29	BENIGN	BENIGN	0.05381	F	33
Patient 30	BENIGN	BENIGN	0.008522	F	66
Patient 31	BENIGN	BENIGN	0.012486	F	60
Patient 32	BENIGN	BCC	0.026353	M	66
Patient 33	BENIGN	BENIGN	0.001134	F	65
Patient 34	BENIGN	BENIGN	0.003448	M	41
Patient 35	BENIGN	BENIGN	0.010316	F	62
Patient 36	BENIGN	BENIGN	0.014207	F	52
Patient 37	BENIGN	BCC	0.211714	M	69

Patient 38	BENIGN	BENIGN	0.000573	M	68
Patient 39	BENIGN	BENIGN	0.000872	F	57
Patient 40	BENIGN	BCC	0.432371	F	68
Patient 41	BENIGN	BENIGN	0.001055	F	52
Patient 42	BENIGN	BCC	0.077217	F	56
Patient 43	BENIGN	BENIGN	0.026789	M	45
Patient 44	BENIGN	BENIGN	0.004855	F	45
Patient 45	BENIGN	BENIGN	0.327512	F	66
Patient 46	BENIGN	BENIGN	0.02782	F	72
Patient 47	BENIGN	BENIGN	0.001583	F	36
Patient 48	BENIGN	BENIGN	0.000066	M	14
Patient 49	BENIGN	BENIGN	0.026506	F	70
Patient 50	BENIGN	BENIGN	0.179115	M	51
Patient 51	BENIGN	BENIGN	0.000073	F	13
Patient 52	BENIGN	BENIGN	0.106103	M	45
Patient 53	BENIGN	BENIGN	0.163083	F	53
Patient 54	BENIGN	BCC	0.417765	M	70
Patient 55	BENIGN	BENIGN	0.000534	F	15
Patient 56	BENIGN	BENIGN	0.00001	F	54
Patient 57	BENIGN	BENIGN	0.22477	F	63
Patient 58	BENIGN	BENIGN	0.000054	F	36
Patient 59	BENIGN	BCC	0.00546	M	61
Patient 60	BENIGN	BENIGN	0.000057	F	10
Patient 61	BENIGN	BENIGN	0.224063	M	75
Patient 62	BENIGN	BENIGN	0.000697	M	48
Patient 63	BENIGN	BENIGN	0.000006	M	9
Patient 64	BENIGN	BENIGN	0.150074	F	31
Patient 65	BENIGN	BENIGN	0.002982	F	72
Patient 66	BENIGN	BENIGN	0.007929	M	71
Patient 67	BENIGN	BENIGN	0.00201	M	12
Patient 68	BENIGN	BENIGN	0.000365	M	48
Patient 69	BENIGN	BENIGN	0.0195	F	42
Patient 70	BENIGN	BENIGN	0.002312	M	7
Patient 71	BENIGN	BENIGN	0.472028	F	35
Patient 72	BENIGN	BENIGN	0.24721	F	5
Patient 73	BENIGN	BENIGN	0.179535	F	63
Patient 74	BENIGN	BENIGN	0.000287	M	5
Patient 75	BENIGN	BENIGN	0.008627	F	51
Patient 76	BENIGN	BENIGN	0.00478	M	53
Patient 77	BENIGN	BENIGN	0.000369	M	13
Patient 78	BENIGN	BCC	0.118703	F	47
Patient 79	BENIGN	BENIGN	0.077155	F	40
Patient 80	BENIGN	BENIGN	0.001886	M	9

Patient 81	BENIGN	BENIGN	0.020983	F	47
Patient 82	BENIGN	BENIGN	0.000011	F	62
Patient 83	BENIGN	BENIGN	0.020194	F	46
Patient 84	BENIGN	BENIGN	0.355024	M	6
Patient 85	BENIGN	BENIGN	0.000376	F	8
Patient 86	BENIGN	BENIGN	0.00413	M	4
Patient 87	BENIGN	BENIGN	0.00062	F	47
Patient 88	BENIGN	BENIGN	0.000002	F	55
Patient 89	BENIGN	BENIGN	0.054391	F	16
Patient 90	BENIGN	BENIGN	0.000008	F	2
Patient 91	BENIGN	BCC	0.3966	F	4
Patient 92	BENIGN	BENIGN	0.042912	F	51
Patient 93	BENIGN	BENIGN	0.000027	F	18
Patient 94	BENIGN	BENIGN	0.000066	F	4
Patient 95	BENIGN	BENIGN	0.037353	F	57
Patient 96	BENIGN	BENIGN	0.037408	F	11
Patient 97	BENIGN	BENIGN	0.000406	F	32
Patient 98	BENIGN	BENIGN	0.0036	M	30
Patient 99	BENIGN	BENIGN	0.489352	M	1
Patient 100	BENIGN	BENIGN	0.000002	M	12
Patient 101	BENIGN	BENIGN	0.000012	F	3
Patient 102	BENIGN	BENIGN	0.004925	M	8
Patient 103	BENIGN	BENIGN	0.000152	F	13
Patient 104	BENIGN	BENIGN	0.000125	M	65
Patient 105	BENIGN	BENIGN	0.000032	F	37
Patient 106	BENIGN	BENIGN	0.003803	M	16
Patient 107	BENIGN	BENIGN	0.00007	M	69
Patient 108	BENIGN	BENIGN	0.240887	F	29
Patient 109	BENIGN	BENIGN	0.000001	F	10
Patient 110	BENIGN	BENIGN	0.000178	F	30
Patient 111	BENIGN	BENIGN	0.007801	M	12
Patient 112	BENIGN	BENIGN	0.000697	F	42
Patient 113	BENIGN	BENIGN	0.003429	F	55
Patient 114	BENIGN	BENIGN	0.000713	F	41
Patient 115	BENIGN	BENIGN	0.408338	F	43
Patient 116	BENIGN	BENIGN	0.001665	M	45
Patient 117	BENIGN	BENIGN	0.000108	M	44
Patient 118	BENIGN	BENIGN	0.018625	M	5
Patient 119	BENIGN	BENIGN	0.00001	F	20