

Supplementary Material VII. The prediction accuracy for each category by collecting the first two predictions obtained by the integrated method on DS_2

Tag of disease	First time (%)	Second time (%)	Third time (%)	Fourth time (%)	Fifth time (%)	Mean (%)
D_1	69.29	68.50	68.50	70.08	70.87	69.45
D_2	28.57	28.57	14.29	14.29	0.00	17.14
D_3	44.68	48.94	48.94	46.81	51.06	48.09
D_4	42.86	42.86	28.57	42.86	42.86	40.00
D_5	31.58	21.05	21.05	26.32	36.84	27.37
D_6	53.33	60.00	56.67	56.67	53.33	56.00
D_7	36.17	27.66	36.17	36.17	34.04	34.04
D_8	55.56	55.56	55.56	55.56	55.56	55.56
D_9	6.67	13.33	6.67	0.00	13.33	8.00
D_{10}	52.17	52.17	52.17	52.17	54.35	52.61
D_{11}	85.71	85.71	85.71	85.71	85.71	85.71
D_{12}	67.36	67.36	64.77	66.84	64.77	66.22
D_{13}	0.00	0.00	0.00	0.00	0.00	0.00
D_{14}	0.00	30.77	23.08	23.08	23.08	20.00
D_{15}	54.55	54.55	45.45	45.45	54.55	50.91
D_{16}	35.71	35.71	50.00	35.71	35.71	38.57
D_{17}	40.91	40.91	38.64	34.09	47.73	40.45
D_{18}	48.65	45.95	45.95	51.35	43.24	47.03
D_{19}	69.77	70.93	66.28	67.44	70.93	69.07
D_{20}	62.04	62.96	63.89	68.52	67.59	65.00
D_{21}	11.11	11.11	11.11	22.22	11.11	13.33
D_{22}	67.29	67.29	65.42	69.16	68.22	67.48
D_{23}	15.79	5.26	10.53	15.79	15.79	12.63
D_{24}	25.00	33.33	25.00	8.33	20.83	22.50
D_{25}	70.23	64.89	68.70	68.70	68.70	68.24
D_{26}	27.27	31.82	27.27	31.82	22.73	28.18
D_{27}	73.91	69.57	69.57	73.91	73.91	72.17
D_{28}	51.61	58.06	54.84	54.84	54.84	54.84

D_{29}	68.13	71.43	71.43	75.82	74.73	72.31
D_{30}	38.46	15.38	38.46	30.77	23.08	29.23
D_{31}	29.41	20.59	38.24	26.47	23.53	27.65
D_{32}	0.00	0.00	0.00	0.00	0.00	0.00
D_{33}	31.25	18.75	50.00	18.75	31.25	30.00
D_{34}	80.43	79.35	78.26	72.83	81.52	78.48
D_{35}	40.00	40.00	40.00	40.00	45.00	41.00
D_{36}	10.00	10.00	0.00	0.00	0.00	4.00
D_{37}	39.13	45.65	36.96	43.48	47.83	42.61
D_{38}	33.33	44.44	44.44	55.56	44.44	44.44
D_{39}	54.24	54.24	45.76	61.02	54.24	53.90
D_{40}	11.76	23.53	17.65	23.53	17.65	18.82
D_{41}	62.96	55.56	59.26	59.26	55.56	58.52
D_{42}	72.73	75.00	72.73	72.73	70.45	72.73
D_{43}	47.83	47.83	43.48	47.83	43.48	46.09
D_{44}	23.08	30.77	23.08	38.46	38.46	30.77
D_{45}	55.71	62.86	55.71	58.57	55.71	57.71
D_{46}	50.00	50.00	50.00	50.00	50.00	50.00
D_{47}	22.22	22.22	44.44	55.56	33.33	35.56
D_{48}	50.00	50.00	50.00	50.00	50.00	50.00
D_{49}	46.15	46.15	46.15	53.85	53.85	49.23
D_{50}	28.57	14.29	14.29	28.57	0.00	17.14
D_{51}	31.03	44.83	37.93	41.38	44.83	40.00
D_{52}	45.45	54.55	45.45	54.55	45.45	49.09
D_{53}	15.38	15.38	23.08	15.38	15.38	16.92
D_{54}	12.50	12.50	12.50	12.50	12.50	12.50
D_{55}	14.29	14.29	21.43	21.43	14.29	17.14
D_{56}	100.00	85.71	85.71	85.71	85.71	88.57