

**Table S2.** Statistics of lung sound files and labels in the HF\_Lung\_V1 and HF\_Lung\_V2 databases grouped by recording devices.

Database		HF_Lung_V1		HF_Lung_V2	
Recording Device		Littmann 3200	HF-Type-1	Littmann 3200	HF-Type-1
Subjects		261	18	300	25
No. of 15-sec. recordings		4504	5261	5156	8801
Total duration (min)		1126	1315.25	1289	2200.25
I	No.	16535	17560	18887	30486
	Duration (min)	257.17	271.02	294.27	491.21
	Mean (sec)	0.93	0.93	0.93	0.97
E	No.	9107	9242	10480	14072
	Duration (min)	160.25	132.6	182.96	191.28
	Mean (sec)	1.06	0.86	1.05	0.82
C	No. C/W/S/R	6984/3974/152/2858	6899/4483/534/1882	9184/5068/366/3750	12374/8071/548/3755
	Duration (min) C/W/S/R	105.90/63.92/1.94/40.04	85.26/55.80/7.52/21.94	132.93/78.04/5.21/49.68	159.92/108.92/7.61/43.39
	Mean (sec) C/W/S/R	0.91/0.97/0.76/0.84	0.74/0.75/0.85/0.70	0.87/0.92/0.85/0.79	0.78/0.81/0.83/0.69
D	No.	7266	8340	7311	12306
	Duration (min)	111.75	55.8	112.32	169.23
	Mean (sec)	0.92	0.87	0.92	0.83

I: inhalation labels, E: exhalation labels, C: continuous adventitious sound labels, D: discontinuous adventitious sound labels, W: wheeze labels, S: stridor labels, and R: rhonchus labels.