

Table 1: Mean of the F-measure, Precision and Recall scores and sum of the #TP, #FP and #FN scores across the *Cuica*, *Gonge-Lo*, *Mineiro*, *Tambor-Hi* and *Tarol* datasets for the baseline and the finetuned (with different sets of frozen layers) approaches tested on the TCNv1 network.

Dataset	Model	F-measure	Precision	Recall	#TP	#FP	#FN
<i>Cuica</i>	bsl	0.477	0.314	0.997	4,579	10,363	15
	ft _{Conv1}	0.467	0.323	0.862	3,955	8,860	639
	ft _{Conv2}	0.775	0.638	0.999	4,588	2,754	6
	ft _{Conv3}	0.971	0.949	0.996	4,572	257	22
	ft _{Tcn1}	0.981	0.968	0.995	4,565	162	29
	ft _{Tcn2}	0.983	0.975	0.992	4,551	123	43
	ft _{Tcn4}	0.984	0.986	0.982	4,501	66	93
	ft _{Tcn8}	0.984	0.982	0.986	4,522	90	72
	ft _{Tcn16}	0.985	0.984	0.985	4,521	72	73
	ft _{Tcn32}	0.948	0.910	0.992	4,551	441	43
	ft _{Tcn64}	0.964	0.937	0.994	4,560	307	34
	ft _{Tcn128}	0.953	0.918	0.993	4,560	420	34
	ft _{Tcn256}	0.982	0.972	0.992	4,549	137	45
	ft _{Tcn512}	0.975	0.959	0.993	4,560	183	34
	ft _{Tcn1024}	0.971	0.953	0.992	4,554	221	40
	ft	0.890	0.810	0.993	4,560	1,137	34
<i>Gonge-Lo</i>	bsl	0.508	0.345	1.000	4,723	9,478	0
	ft _{Conv1}	0.532	0.379	0.942	4,437	8,008	286
	ft _{Conv2}	0.993	0.987	0.999	4,717	67	6
	ft _{Conv3}	0.993	0.989	0.998	4,714	52	9
	ft _{Tcn1}	0.995	0.993	0.998	4,712	32	11
	ft _{Tcn2}	0.998	0.999	0.997	4,708	2	15
	ft _{Tcn4}	0.998	0.998	0.997	4,711	6	12
	ft _{Tcn8}	0.997	0.996	0.998	4,713	16	10
	ft _{Tcn16}	0.996	0.994	0.998	4,714	22	9
	ft _{Tcn32}	0.998	1.000	0.996	4,706	1	17
	ft _{Tcn64}	0.997	0.995	0.998	4,714	19	9
	ft _{Tcn128}	0.994	0.990	0.998	4,715	42	8
	ft _{Tcn256}	0.983	0.968	0.999	4,720	148	3
	ft _{Tcn512}	0.993	0.988	0.998	4,715	51	8
	ft _{Tcn1024}	0.988	0.977	0.999	4,718	101	5
	ft	0.966	0.936	0.999	4,718	297	5
<i>Mineiro</i>	bsl	0.946	0.906	0.991	17,744	1,890	174
	ft _{Conv1}	0.929	0.907	0.954	16,939	1,702	979
	ft _{Conv2}	0.946	0.937	0.957	17,028	1,089	890
	ft _{Conv3}	0.945	0.926	0.966	17,203	1,291	715
	ft _{Tcn1}	0.944	0.945	0.945	16,790	870	1,128
	ft _{Tcn2}	0.952	0.932	0.974	17,420	1,157	498
	ft _{Tcn4}	0.943	0.901	0.993	17,783	1,884	135
	ft _{Tcn8}	0.958	0.951	0.967	17,264	812	654
	ft _{Tcn16}	0.972	0.960	0.985	17,652	725	266
	ft _{Tcn32}	0.955	0.926	0.987	17,692	1,325	226
	ft _{Tcn64}	0.959	0.940	0.981	17,562	1,032	356
	ft _{Tcn128}	0.959	0.944	0.976	17,450	935	468

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Dataset	Model	F-measure	Precision	Recall	#TP	#FP	#FN
	ft _{TCN256}	0.951	0.932	0.975	17,409	1,161	509
	ft _{TCN512}	0.945	0.926	0.969	17,313	1,321	605
	ft _{TCN1024}	0.940	0.929	0.954	17,011	1,213	907
	ft	0.950	0.944	0.957	17,111	965	807
<i>Tambor-Hi</i>	bsl	0.965	0.935	0.998	13,353	817	22
	ft _{Conv1}	0.955	0.916	0.998	13,354	1,073	21
	ft _{Conv2}	0.937	0.884	0.999	13,357	1,512	18
	ft _{Conv3}	0.951	0.909	0.998	13,351	1,163	24
	ft _{TCN1}	0.957	0.920	0.998	13,355	1,024	20
	ft _{TCN2}	0.967	0.938	0.998	13,350	785	25
	ft _{TCN4}	0.952	0.911	0.998	13,355	1,142	20
	ft _{TCN8}	0.962	0.930	0.997	13,340	888	35
	ft _{TCN16}	0.968	0.940	0.997	13,347	753	28
	ft _{TCN32}	0.967	0.939	0.997	13,343	758	32
	ft _{TCN64}	0.968	0.941	0.997	13,345	731	30
	ft _{TCN128}	0.971	0.948	0.996	13,324	647	51
	ft _{TCN256}	0.974	0.952	0.997	13,334	617	41
	ft _{TCN512}	0.975	0.956	0.995	13,307	570	68
	ft _{TCN1024}	0.978	0.962	0.994	13,296	479	79
	ft	0.978	0.962	0.996	13,325	477	50
<i>Tarol</i>	bsl	0.993	0.987	1.000	18,577	182	8
	ft _{Conv1}	0.949	0.906	1.000	18,580	2,055	5
	ft _{Conv2}	0.996	0.993	1.000	18,577	114	8
	ft _{Conv3}	0.997	0.994	0.999	18,574	81	11
	ft _{TCN1}	0.994	0.989	1.000	18,577	153	8
	ft _{TCN2}	0.996	0.993	0.999	18,577	105	8
	ft _{TCN4}	0.992	0.986	0.999	18,575	229	10
	ft _{TCN8}	0.992	0.985	0.999	18,576	236	9
	ft _{TCN16}	0.990	0.981	1.000	18,577	311	8
	ft _{TCN32}	0.991	0.983	1.000	18,578	278	7
	ft _{TCN64}	0.987	0.975	1.000	18,577	422	8
	ft _{TCN128}	0.991	0.984	1.000	18,577	246	8
	ft _{TCN256}	0.992	0.985	1.000	18,577	243	8
	ft _{TCN512}	0.990	0.982	0.999	18,576	274	9
	ft _{TCN1024}	0.991	0.983	0.999	18,576	265	9
	ft	0.989	0.979	1.000	18,577	322	8