

Table 1: The results of two different transfer modes.

<i>Transferred layer</i>	<i>Fixed</i>				<i>Fine-tuning</i>			
	<i>P</i>	<i>R</i>	<i>F-score</i>	<i>N.params</i>	<i>P</i>	<i>R</i>	<i>F-score</i>	<i>N.params</i>
L_1	88.9%	95.1%	91.9%	20.58K	89.0%	95.7%	93.2%	20.72K
L_2	88.2%	95.5%	91.7%	13.33K	88.8%	95.5%	92.0%	20.72K
L_3	87.4%	95.1%	91.1%	13.33K	88.5%	95.2%	91.7%	20.72K
L_{all}	79.3%	86.2%	82.6%	5.79K	89.0%	95.7%	92.3%	20.72K

Table 2: The detection results in frame-level.

<i>Polyphonic song</i>	<i>Frames</i>		<i>Baseline</i>			<i>Transfer learning</i>		
	<i>off</i>	<i>on</i>	<i>P (%)</i>	<i>R (%)</i>	<i>F (%)</i>	<i>P (%)</i>	<i>R (%)</i>	<i>F (%)</i>
<i>No.1</i>	2938	5384	82.8	85.4	84.1	92.9	97.3	95.1
<i>No.2</i>	4166	7476	83.0	90.0	86.3	89.6	98.6	93.9
<i>No.3</i>	4945	5754	86.5	91.6	89.0	89.3	96.5	92.8
<i>No.4</i>	3390	6098	79.6	91.4	85.1	84.1	91.8	87.8
<i>No.5</i>	5844	8366	96.4	93.2	89.7	88.4	92.9	90.6
<i>No.6</i>	2744	4793	84.5	92.3	88.2	86.5	91.7	89.1
<i>No.7</i>	6423	2911	89.5	94.4	91.9	86.7	93.7	90.1
<i>No.8</i>	1475	4561	90.2	94.3	92.2	91.0	97.8	94.2
<i>No.9</i>	2458	9922	66.6	89.9	76.5	70.8	91.4	79.8
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<i>No.60</i>	3218	7220	96.5	95.7	96.1	95.8	97.7	96.8
<i>Overall</i>			86.1	93.2	89.5	90.1	96.0	93.2