











































<ul> <li>H&amp;E stained, 40x</li> </ul>	ID	Category Name	Number of Images
	$C_1$	Adrenals	25
	$C_2$	Heart	114
3072X3840≈11MB	$C_3$	Kidney	20
Down sampling to	$C_4$	Liver	107
1536x1920	$C_5$	Lung	288
1000001020	$C_6$	Pancreas	120
<ul> <li>Block size 64x64</li> </ul>	$C_7$	Spleen	18
720 blocks	$C_8$	Testis	25
	$C_9$	Thyroid	39
<ul> <li>Gabor filter bank</li> </ul>	$C_{10}$	Uterus	22

xperimental Evaluation										
•	5 fol	d cro	oss v	/alid	atio	n (tra	ainin	g)		
	$= C_1$	$-C_2$	$-C_3$	$-C_4$	$-C_5$	$= C_6$	$-C_{7}$	$C_8$	$C_9$	- C <sub>10</sub>
⇒	80.0%	0.0%	0.0%	3.0%	7.0%	8.0%	0.0%	2.0%	0.0%	0.0%
$C_2$	0.4%	84.4%	0.0%	0.0%	-2.2%	5.5%	0.0%	0.0%	0.0%	7.5%
$C_3$	-1.3%	-2.5%	$\mathbf{82.5\%}$	- 0.0%	-1.3%	-1.3%	-0.0%	0.0%	0.0%	0.0%
$C_4$	5.4%	-0.2%	0.0%	84.8%	-0.0%	4.7%	4.0%	-0.5%	- 0.0%	-0.5%
$C_5$	-4.5%	-0.0%	0.0%	0.0%	90.0%	-4.5%	0.0%	- 0.0%	-1.0%	-0.0%
	16.7%	-1.5%	1.9%	-4.8%	6.0%	<b>64.6</b> %	-0.0%	-0.2%	-0.8%	3.5%
$C_7$	4.2%	-0.0%	- 0.0%	- 1.4%	0.0%	-1.4%	93.1%	0.0%	0.0%	- 0.0%
$\Rightarrow$	11.0%	0.0%	0.0%	-1.0%	0.0%	- 9.0%	-0.0%	75.0%	- 0.0%	-4.0%
$C_9$	0.6%	0.0%	- 0.0%	- 0.0%	-1.3%	-2.6%	-0.0%	- 0.0%	<b>94.2</b> %	-1.3%
$C_{10}$	0.0%	8.0%	- 0.0%	- 0.0%	-0.0%	- 0.0%	- 0.0%	0.0%	- 0.0%	92.1%
				On av	/erage	84.1%				

•	5-fol	d cro	oss v	valid	atio	n (te	sting	<b>q</b> )		
	$C_1$	$C_2$	$C_3$	$C_4$	C5	C <sub>6</sub>	$C_7$	C <sub>8</sub>	$C_9$	- C <sub>10</sub>
>	48.0%	0.0%	0.0%	16.0%	8.0%	28.0%	0.0%	0.0%	0.0%	0.0%
$C_2$	17.5%	80.7%	2.6%	-0.9%	0.9%	7.0%	0.0%	0.0%	0.0%	6.1%
$C_3$	0.0%	10.0%	65.0%	-0.0%	5.0%	10.0%	0.0%	5.0%	0.0%	5.0%
$C_4$	6.5%	0.0%	0.0%	81.3%	0.0%	4.7%	5.6%	-1.9%	0.0%	0.0%
$C_8$	6.3%	0.0%	0.0%	-0.0%	87.2%	5.6%	0.0%	0.0%	-1.0%	0.0%
⇒	15.8%	-2.5%	-2.5%	7.5%	5.0%	60.8%	0.0%	1.7%	0.8%	3.3%
$C_T$	5.6%	0.0%	0.0%	0.0%	0.0%	- 0.0%	94.4%	-0.0%	0.0%	0.0%
>	20.0%	0.0%	8.0%	12.0%	-0.0%	12.0%	- 0.0%	44.0%	0.0%	-4.0%
$C_9$	0.0%	2.6%	0.0%	0.0%	2.6%	5.1%	- 0.0%	0.0%	89.7%	0.0%
Can	0.0%	22.7%	0.0%	0.0%	0.0%	4.6%	-0.0%	0.0%	0.0%	72.7%























