

Table 1. Parameters of CAVnet

Layers	Operation	Filter number	Filter size	stride	Dilation rate	Activation
Conv1	convolution	128	3×3	1	-	Leaky ReLU
Sub-module1	-	-	-	-	-	-
Conv2	convolution	64	3×3	2	-	Leaky ReLU
Sub-module2	-	-	-	-	-	-
Conv3	convolution	64	3×3	2	-	Leaky ReLU
Sub-module3	-	-	-	-	-	-
Conv4	convolution	64	3×3	2	-	Leaky ReLU
Sub-module4	-	-	-	-	-	-
Conv5	convolution	64	3×3	2	-	Leaky ReLU
Sub-module5	-	-	-	-	-	-
dConv6	deconvolution	64	2×2	2	-	-
Concatenation	Concatenation	128	-	-	-	-
Sub-module6	-	-	-	-	-	-
dConv7	deconvolution	64	2×2	2	-	-
Concatenation	Concatenation	128	-	-	-	-
Sub-module7	-	-	-	-	-	-
dConv8	deconvolution	64	2×2	2	-	-
Concatenation	Concatenation	128	-	-	-	-
Sub-module8	-	-	-	-	-	-
dConv9	deconvolution	64	2×2	2	-	-
Concatenation	Concatenation	128	-	-	-	-
Sub-module9	-	-	-	-	-	-
Conv10	convolution	64	3×3	1	-	Leaky ReLU
Conv11	convolution	4	3×3	1	-	Softmax