

Listing 1: NeuroML File for SHK-1 Ion Channel

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <neuroml xmlns="http://www.neuroml.org/schema/neuroml2"
3   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4   xsi:schemaLocation="http://www.neuroml.org/schema/neuroml2 https://raw.github.
   com/NeuroML/NeuroML2/master/Schemas/NeuroML2/NeuroML_v2beta.xsd"
5   id="k_slow">
6
7   <ionChannel id="k_slow" conductance="10pS" type="ionChannelHH" species="k">
8
9     <notes>K slow channel from Boyle and Cohen 2008</notes>
10
11     <gateHHtauInf id="n" instances="1">
12
13       <timeCourse type="fixedTimeCourse" tau="25.0007 ms"/>
14       <steadyState type="HHSigmoidVariable" rate="1" scale="15.8512 mV"
15         midpoint="19.8741 mV"/>
16
17     </gateHHtauInf>
18
19   </ionChannel>
20 </neuroml>

```