Channel Mapping

When opening the Channel Mapping GUI, it asks to select (any) one of the BCD files in the test data to extract the channel names.

### Remap Channels

* Left panel lists the model input signals imported from the Simulink indicated in “File”. The model signals are read from the model block <Vehicle Test Data>
  + test\_swa : steering wheel angle [degrees]
  + test\_rackdisp: rack displacement [mm]
  + test\_left\_trf: left tie rod force [Newtons]
  + test\_right\_trf: right tie rod force [Newtons]
  + test\_vspeed: vehicle speed [KPH]
  + test\_swt: steering wheel torque [Newton-meters]
  + test\_ay: vehicle lateral acceleration [meters/second]
  + test\_yawrate: vehicle yawrate [degrees/second]
  + test\_tbar: steering torsion bar torque [Newton-meters]
* Click on “Remap Channels” open a list of test channels. Enter the test channel identifier numbers in the middle panel under “Mapping Info”. The right panel will show the test channels selected with the units.

### Save Map

After having selected all the test channels for the model input signals, save the mapped channels as a file. Mapping channels is needed only once for a new list of test channels.

### Validate Test Channels

This step validates if the channel mapping file saved previously is the right file for the model and the test data.