Supplementary Information for:

Edge defect switched dual spin filter in zigzag hexagonal boron nitride nanoribbons

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Figure S1 The transmission spectra for 10-ZBNNR-N-9-5-triangle, 10-ZBNNR-B-9-6-triangle, 10-ZBNNR-N-15-4-triangle, 10-ZBNNR-N-9-4-parallelogram, 10-ZBNNR-B-9-4-parallelogram, 10-ZBNNR-N-5-5-hexagon and 10-ZBNNR-B-5-5-hexagon, respectively. The left panel refers to N-edge defect configurations and the right panel refers to B edge ones. The scattering region is shown for each case.



Figure S2 (a)-(h) The transmission spectra for 10-ZBNNR-B-L-6 with L=1, 2, 3, 4, 5, 7, 9 and 11, respectively. The length of the defect increases from (a) to (h).