Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Migration of siControl HUVECs exposed to arterial flow. Migration tracks indicate

cell migrating with (purple) or against flow (yellow).

File Name: Supplementary Movie 2

Description: Migration of siEPHB4 HUVECs exposed to arterial flow. Migration tracks indicate

cell migrating with (purple) or against flow (yellow).

File Name: Supplementary Movie 3

Description: Migration of siEPHB4 + siDACH1 HUVECs exposed to arterial flow. Migration

tracks indicate cell migrating with (purple) or against flow (yellow).