### Table: Unadjusted baseline patient and procedure characteristics

|                                | SES (N=8137) | BES (N= 2738) | p-value |
|--------------------------------|--------------|---------------|---------|
| Age, years (SD)                | 64.7 ± 11.0  | 64.4 ± 11.1   | 0.41    |
| Male                           | 76.7         | 78.0          | 0.14    |
| Hypertension                   | 63.5         | 69.1          | <0.001  |
| Hypercholesterolemia           | 56.1         | 71.1          | <0.001  |
| Diabetes mellitus              | 26.0         | 29.5          | <0.001  |
| Current smoking                | 23.5         | 25.6          | 0.03    |
| Family history of CAD          | 29.4         | 36.3          | <0.001  |
| Previous MI                    | 22.2         | 33.2          | <0.001  |
| Previous PCI                   | 24.7         | 32.2          | <0.001  |
| ACS                            | 59.0         | 53.5          | <0.001  |
| STEMI                          | 21.7         | 8.1           | <0.001  |
| N of lesion identified         | 1.86 ± 1.1   | 1.46 ± 0.8    | <0.001  |
| Multi-vessel disease           | 46.2         | 53.2          | <0.001  |
| Ostial lesion                  | 8.2          | 13.8          | <0.001  |
| Moderate to severe calcification| 18.6        | 29.2          | <0.001  |
| Lesion type B2                 | 28.4         | 48.2          | <0.001  |
| Lesion type C                  | 29.3         | 38.0          | <0.001  |
| Small vessels (one stent ≤2.75mm)| 56.4      | 40.5          | <0.001  |
| Long lesions (one stent ≥25mm) | 56.5         | 25.1          | <0.001  |
| Radial access                  | 84.3         | 36.9          | <0.001  |
| N of study stents implanted    | 1.49 ± 0.9   | 1.47 ± 0.9    | 0.16    |
| Total length of study stents implanted | 33.0 ± 22.6 | 29.2 ± 18.6 | <0.001  |
| Pre-dilation performed         | 65.0         | 77.2          | <0.001  |
| Post-dilation performed        | 44.8         | 40.8          | <0.001  |

Values are mean

ACS: acute coronary syndromes; BES: biolimus-eluting stent; CAD: coronary artery disease, PCI: percutaneous coronary intervention; MI: myocardial infarction; SES: sirolimus-eluting stent; STEMI: ST-segment elevation myocardial infarction Lesion type B2 and C according to American College of Cardiology/American Heart Association (AHA/ACC) classification system
Supplementary Material

Table: Unadjusted clinical outcomes at 1 year comparing SES with BES treatment

| Outcome                        | SES (N=8879) | BES (N=2738) | p-value     |
|--------------------------------|--------------|--------------|-------------|
| Any death                      | 2.31% (205/8,879) | 1.92% (59/3,067) | 0.211       |
| Cardiac death                  | 1.45% (129/8,879) | 1.30% (40/3,067) | 0.5478      |
| Non-cardiac death              | 0.86% (76/8,879)  | 0.62% (19/3,067) | 0.2037      |
| Any MI                         | 1.13% (100/8,879) | 2.09% (64/3,067) | <.0001      |
| TV-MI                          | 0.92% (82/8,879)  | 1.76% (54/3,067) | 0.0002      |
| Clinically driven TLR          | 1.43% (127/8,879) | 2.35% (72/3,067) | 0.0006      |
| TLR (PCI)                      | 1.34% (119/8,879) | 2.02% (62/3,067) | 0.0078      |
| TLR (CABG)                     | 0.09% (8/8,879)   | 0.46% (14/3,067) | <.0001      |
| Clinically driven TVR          | 2.08% (185/8,879) | 3.42% (105/3,067) | <.0001     |
| TVR (PCI)                      | 1.81% (161/8,879) | 2.93% (90/3,067) | 0.0002      |
| TVR (CABG)                     | 0.30% (27/8,879)  | 0.62% (19/3,067) | 0.015       |
| Clinically driven -TVR-non TL  | 0.77% (68/8,879)  | 1.17% (36/3,067) | 0.036       |
| Clinically driven-non TVR      | 1.04% (92/8,879)  | 0.85% (26/3,067) | 0.36        |
| Composite endpoints            |              |              |             |
| TLF                            | 3.27% (290/8,879) | 4.27% (131/3,067) | 0.0093      |
| TVF                            | 3.78% (336/8,879) | 5.12% (157/3,067) | 0.0014      |
| POCE                           | 6.19% (550/8,879) | 7.01% (215/3,067) | 0.1117      |
| Stent thrombosis all           |              |              |             |
| Definite                       | 0.45% (40/8,879)  | 0.55% (17/3,067) | 0.4721      |
| Probable                       | 0.27% (24/8,879)  | 0.23% (7/3,067)  | 0.693       |
| Definite or probable           | 0.71% (63/8,879)  | 0.78% (24/3,067) | 0.6819      |
| Possible                       | 0.68% (60/8,879)  | 0.42% (13/3,067) | 0.1228      |