Supplementary Table 1. Baseline characteristics of study patients according to treatment at discharge and during follow-up

| Variable                                           | Vasodilating β-blockers (n = 3,608) | Conventional β-blockers (n = 3,661) | p value | Standardized difference |
|----------------------------------------------------|-------------------------------------|-------------------------------------|---------|-------------------------|
| **Demographics**                                   |                                     |                                     |         |                         |
| Age, yr                                            | 62.3 ± 12.4                         | 63.2 ± 12.4                         | 0.002   | 7.8                     |
| Male sex                                           | 2,779 (77.0)                        | 2,740 (74.8)                        | 0.030   | 8.6                     |
| **Coronary risk factors**                          |                                     |                                     |         |                         |
| Diabetes mellitus                                  | 680 (19.1)                          | 855 (23.4)                          | < 0.001 | 11.3                    |
| Hypertension                                       | 1,804 (50.0)                        | 1,909 (52.1)                        | 0.067   | 6.0                     |
| Dyslipidemia                                       | 291 (8.1)                           | 305 (8.3)                           | 0.680   | 0.4                     |
| Current or ex-smoking                              | 2,212 (62.8)                        | 2,176 (60.7)                        | 0.012   | 6.0                     |
| Chronic kidney disease                             | 546 (15.1)                          | 634 (17.3)                          | 0.011   | 7.3                     |
| **Previous medical history**                       |                                     |                                     |         |                         |
| History of MI                                      | 140 (3.9)                           | 148 (4.0)                           | 0.723   | 0.8                     |
| History of Angina                                  | 184 (5.1)                           | 181 (4.9)                           | 0.761   | 0.1                     |
| History of heart failure                           | 30 (0.8)                            | 22 (0.6)                            | 0.241   | 1.6                     |
| History of CVA                                     | 153 (4.2)                           | 176 (4.8)                           | 0.240   | 3.8                     |
| **Clinical characteristics at presentation and in-hospital** |               |                                     |         |                         |
| Killip class ≥ III on admission                    | 329 (9.1)                           | 437 (11.9)                          | < 0.001 | 9.8                     |
| STEMI                                              | 2,004 (55.5)                        | 1,859 (50.8)                        | < 0.001 | 9.4                     |
| Left ventricular ejection fraction                 | 51.5 ± 10.5                         | 52.5 ± 10.5                         | < 0.001 | 9.7                     |
| **Medication at discharge**                        |                                     |                                     |         |                         |
| Aspirin                                            | 3,603 (99.9)                        | 3,659 (99.9)                        | 0.249   | 1.6                     |
| Clopidogrel                                        | 2,470 (68.5)                        | 2,548 (69.6)                        | 0.293   | 2.5                     |
| Prasugrel                                          | 331 (9.2)                           | 474 (12.9)                          | < 0.001 | 12.1                    |
| Ticagrelor                                         | 781 (21.6)                          | 626 (17.1)                          | < 0.001 | 11.5                    |
| RAS blockade                                       | 3,020 (83.7)                        | 3,285 (89.7)                        | < 0.001 | 16.7                    |
| Statins                                            | 3,485 (96.6)                        | 3,477 (95.0)                        | 0.001   | 9.1                     |
| **Angiographic and procedural characteristics**    |                                     |                                     |         |                         |
| Glycoprotein IIb/IIIa inhibitor                    | 527 (14.6)                          | 535 (14.6)                          | 0.993   | 0.7                     |
| Intracoronary imaging device                       | 790 (22.1)                          | 750 (20.5)                          | 0.084   | 5.2                     |
| LM or LAD infarct-related artery                   | 1,831 (50.7)                        | 1,814 (49.5)                        | 0.307   | 2.1                     |
| ACC/AHA B2/C lesion                                | 3,612 (87.6)                        | 3,171 (86.6)                        | 0.193   | 2.4                     |
| Pre-procedural TIMI flow grade 0–1                 | 2,083 (57.7)                        | 2,093 (57.2)                        | 0.628   | 2.4                     |
| Post-procedural TIMI flow grade 3                  | 3,516 (97.5)                        | 3,577 (97.7)                        | 0.479   | 2.5                     |
| Stent diameter, mm                                 | 3.13 ± 0.43                         | 3.15 ± 0.44                         | 0.165   | 3.6                     |
| Total stent length, mm                             | 29.4 ± 13.9                         | 30.0 ± 14.6                         | 0.086   | 3.5                     |
| Multi-vessel coronary artery disease               | 1,900 (52.7)                        | 1,831 (50.0)                        | 0.024   | 5.9                     |
| Cardiogenic shock                                  | 173 (4.8)                           | 226 (6.2)                           | 0.010   | 6.1                     |
| Mechanical circulatory support                     | 82 (2.3)                            | 71 (1.9)                            | 0.322   | 1.1                     |

Values are presented as mean ± SD or number (%).
MI, myocardial infarction; CVA, cerebrovascular accident; STEMI, ST segment elevation myocardial infarction; RAS, renin-angiotensin system; LM, left main; LAD, left anterior descending; ACC/AHA, American College of Cardiology/American Heart Association; TIMI, thrombolysis in myocardial infarction.