### S3 Table. Incidence of thromboembolism and major bleeding in the included studies

| Study and year | Incidence of TE | Incidence of MB | Sample size | Subgroup |
|----------------|-----------------|-----------------|-------------|----------|
|                | Off-OAC | On-OAC | Off-OAC | On-OAC | Off-OAC | On-OAC | Ethnicity | Sample size | Mean age | OAC strategy | Follow-up |            |
| Oral et al., 2006 | 0       | 2      | 0       | 2      | 398     | 357     | Non-Asian | <800       | ≤60 years | W          | <3 years  |
| Nademanee et al., 2008 | 5       | 5      | 0       | 1      | 434     | 201     | Non-Asian | <800       | >60 years | W          | <3 years  |
| Hussein et al., 2011 | 1       | 0      | NA      | NA     | 449     | 382     | Non-Asian | >800       | ≤60 years | W          | >3 years  |
| Hunter et al., 2011 | 4       | 5      | NA      | NA     | 809     | 464     | Non-Asian | >800       | ≤60 years | W          | >3 years  |
| Saad et al., 2011 | 0       | 0      | 0       | 3      | 298     | 29      | Non-Asian | <800       | >60 years | W          | >3 years  |
| Winkle et al., 2013 | 0       | 1      | 0       | 9      | 60      | 48      | Non-Asian | <800       | >60 years | W/ DOACs   | <3 years  |
| Gaita et al., 2014 | 5       | 6      | 0       | 7      | 499     | 267     | Non-Asian | <800       | ≤60 years | W          | >3 years  |
| Hermida et al., 2020 | 2       | 4      | NA      | NA     | 75      | 375     | Non-Asian | <800       | ≤60 years | W/ DOACs   | <3 years  |
| Yang et al., 2020 | 34      | 22     | 12      | 9      | 3149    | 1363    | Asian      | >800       | >60 years | W/ DOACs   | <3 years  |
| Yu et al., 2020 | 26      | 11     | 11      | 13     | 989     | 502     | Asian      | >800       | ≤60 years | W/ DOACs   | <3 years  |

DOAC, direct oral anticoagulant; MB, majoring bleeding; NA, data not available; OAC, oral anticoagulant; TE, thromboembolism; W, warfarin