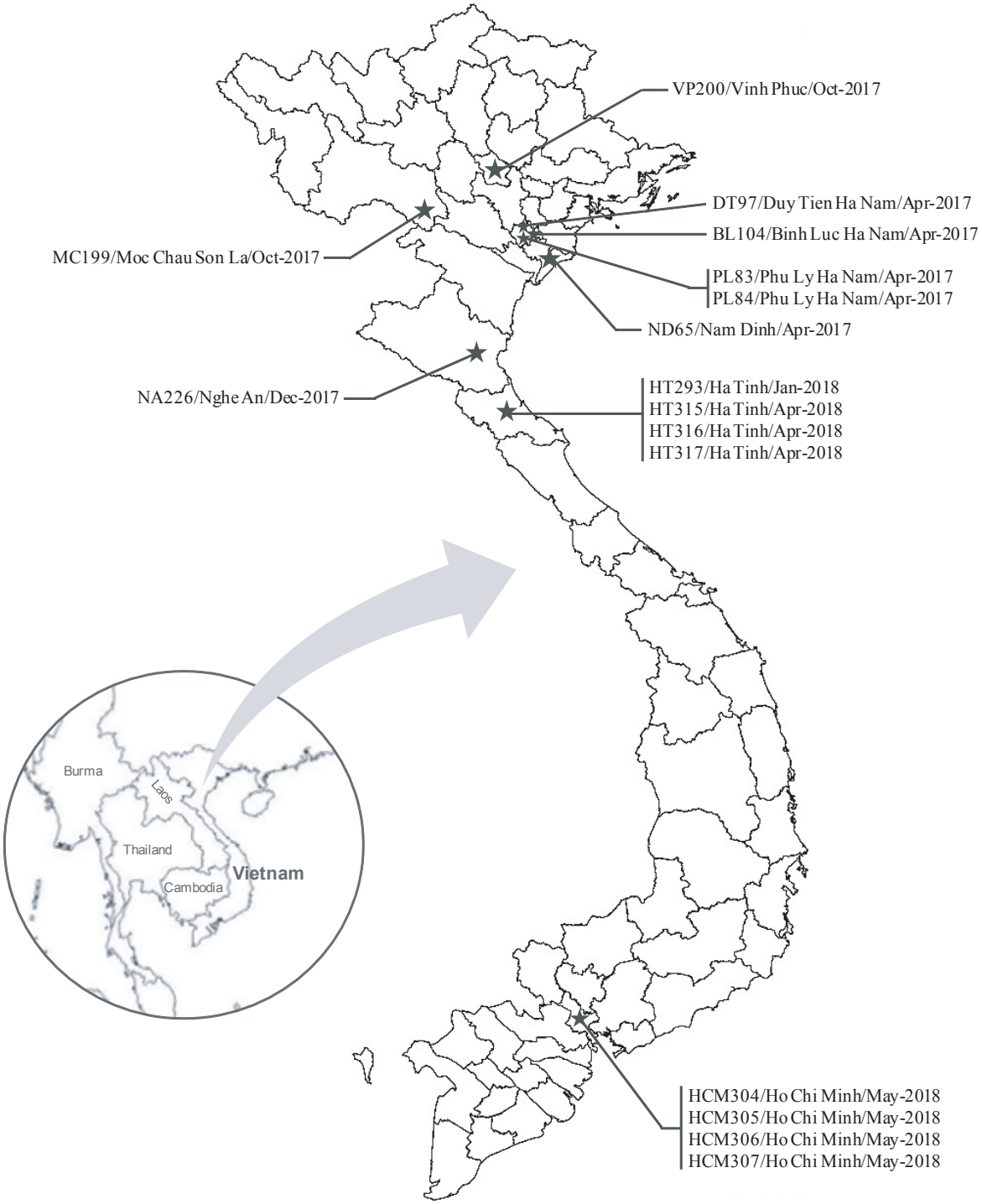Supplemental figure