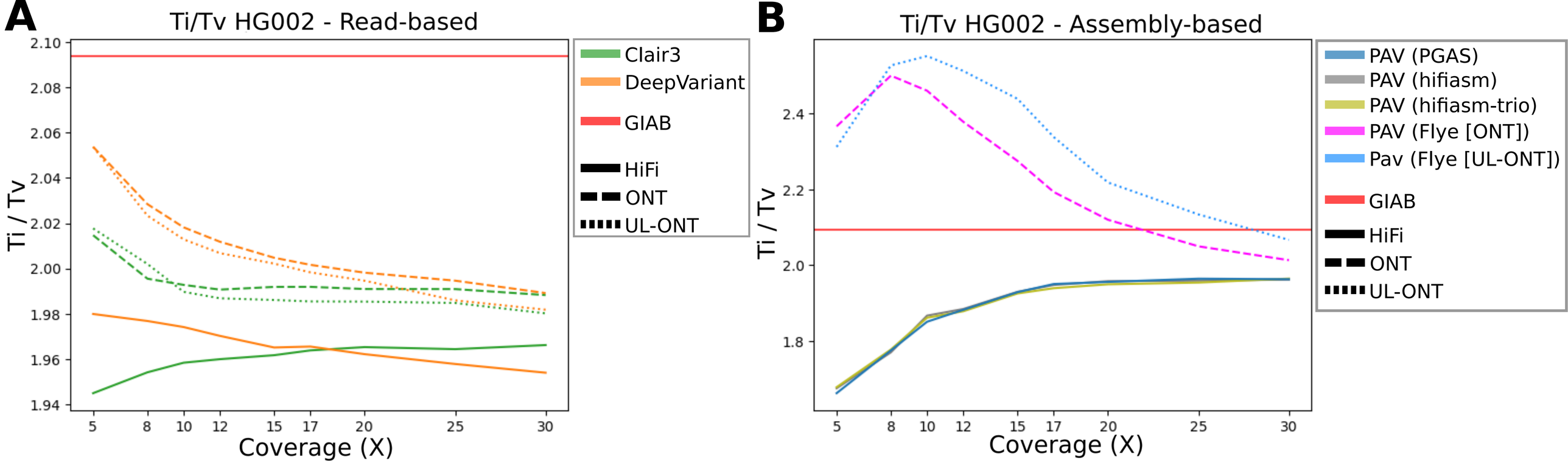

Figure S12. Ti/Tv ratio of read-based and assembly-based callers in HG002 against GIAB. A) The Ti/TV ratio for SNVs called in HG002 via read-based methods. The Ti/Tv ratio for the GIAB truth set is slightly higher (2.09) than 2, and read-based callers are consistently below this range. **B)** The Ti/TV ratio for SNVs called in HG002 via assembly-based methods. ONT-based assemblies show a noticeable peak of transitions below 17×, which drives the Ti/Tv ratio above 2.4.