

## **Conflict of interest statement**

Drs PI Hsu and PC Lin disclose no conflict of interest. Dr DY Graham is an unpaid consultant for Novartis in relation to vaccine development for treatment or prevention of *H. pylori* infection. Dr. Graham is also a paid consultant for RedHill Biopharma regarding novel *H. pylori* therapies and for Otsuka Pharmaceuticals regarding diagnostic testing. Dr Graham has received royalties from Baylor College of Medicine patents covering materials related to <sup>13</sup>C-urea breath test.