## ADDENDUM

In Section 9 of the paper, I apply the main result to some concrete classes of surfaces. It should be pointed out that for surfaces $S$ with $p_{g}=q=1$ and $K^{2}=3$ we obtain the Tate conjecture and the Mumford-Tate conjecture in all cases, not only if the general Albanese fiber has genus 3 (which is case (e) in Theorem 9.4). Namely, in the paper [11] by Catanese and Ciliberto, it is shown that (for $p_{g}=q=1$ and $K^{2}=3$ ) either the general Albanese fiber has genus 3 , or there exists a curve $A$ of genus 1 and a dominant rational map $S \rightarrow A^{(2)}$ to the second symmetric square of $A$. This implies that the motive $\mathbf{H}^{2}(S)$ is isomorphic to the sum of $\mathbf{H}^{2}\left(A^{(2)}\right)$ and some copies of $\mathbf{Q}(-1)$. As the Mumford-Tate conjecture is true for $A^{(2)}$, this gives what we want.

