Corrections

1. (Communicated by Kannappan Sampath on February 25, 2020) On p. 33, the first isomorphism in Step 4 should read

$$\begin{aligned}H^1\big(X, \mathcal{O}_X(-\widetilde{D})\big) &\simeq H^1\big(\mathbf{P}(E), \pi_*\mathcal{O}_X(-\widetilde{D})\big)\\ &\simeq H^1\Bigg(\mathbf{P}(E), \mathcal{O}_{\mathbf{P}(E)}\Big(-F - f^*\Big(\frac{h(ph-3)}{r}\cdot\infty\Big)\Big)\\ &\qquad\qquad \oplus \bigoplus_{i=1}^{r-1}\mathcal{O}_{\mathbf{P}(E)}\Big(-iM - f^*\Big(\frac{h(ph-3)}{r}\cdot\infty\Big)\Big)\Bigg).\end{aligned}$$

This correction affects the subsequent calculations as follows. The Leray spectral sequence (2.16) should then read

$$\begin{aligned}E_2^{p,q} = H^p\Bigg(C, R^q f_*\Bigg(&\mathcal{O}_{\mathbf{P}(E)}\Big(-F - f^*\Big(\frac{h(ph-3)}{r}\cdot\infty\Big)\Big)\\ &\oplus \bigoplus_{i=1}^{r-1}\mathcal{O}_{\mathbf{P}(E)}\Big(-iM - f^*\Big(\frac{h(ph-3)}{r}\cdot\infty\Big)\Big)\Bigg)\Bigg)\\ \Rightarrow H^{p+q}\Bigg(\mathbf{P}(E), &\mathcal{O}_{\mathbf{P}(E)}\Big(-F - f^*\Big(\frac{h(ph-3)}{r}\cdot\infty\Big)\Big)\\ &\oplus \bigoplus_{i=1}^{r-1}\mathcal{O}_{\mathbf{P}(E)}\Big(-iM - f^*\Big(\frac{h(ph-3)}{r}\cdot\infty\Big)\Big)\Bigg)\end{aligned} \tag{2.16*}$$

and then (2.17) should read

$$\begin{aligned}
&H^1\big(X, \mathcal{O}_X(-\widetilde{D})\big) \\
&\qquad \simeq H^0\left(C, R^1 f_*\left(\mathcal{O}_{\mathbf{P}(E)}\left(-F - f^*\left(\frac{h(ph-3)}{r} \cdot \infty\right)\right)\right.\right. \qquad (2.17^*) \\
&\qquad\qquad\qquad \left.\left.\oplus \bigoplus_{i=1}^{r-1} \mathcal{O}_{\mathbf{P}(E)}\left(-iM - f^*\left(\frac{h(ph-3)}{r} \cdot \infty\right)\right)\right)\right)
\end{aligned}$$

Now to get non-vanishing of the right-hand side of (2.17*), one twists the injection at the bottom of p. 34 by $-\frac{h(ph-3)}{r} \cdot \infty$, in which case the injection at the top of p. 35 now reads

$$\begin{aligned}
&H^0\left(C, \mathcal{O}_C\left(\frac{(2r-i-1)h(ph-3)}{r} \cdot \infty\right)\right) \\
&\qquad \hookrightarrow H^0\left(C, R^1 f_*\left(\mathcal{O}_{\mathbf{P}(E)}\left(-iM - f^*\left(\frac{h(ph-3)}{r} \cdot \infty\right)\right)\right)\right),
\end{aligned}$$

where we note the denominator on the left-hand side has also been corrected from "2" to "r." The left-hand side is nonzero as long as $2r - i - 1 \geq 0$. By the assumption $r \geq 2$, the left-hand side is nonzero for $i = 1$, hence (2.17*) implies $H^1(X, \mathcal{O}_X(-\widetilde{D})) \neq 0$.