**Supplementary File 6**

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| **Product name** | **Vendor** | **Cat No.** |
| pCMV6-AC-GFP, mammalian vector | OriGene | PS100010 |
| pCMV6-Entry, mammalian vector | OriGene | PS100001 |
| *Tfdp1* (NM\_009361) Mouse Tagged ORF Clone | OriGene | MG221670 |
| *Kdm6a* (NM\_009483) Mouse Tagged ORF Clone | OriGene | MG211981 |
| *Kdm6b* (NM\_001017426) Mouse Tagged ORF Clone | OriGene | MR212060 |
| Turbo Fectin Tranfection Reagent | OriGene | TF81001 |