

Supplemental Table 1 List of CDS Alerts for Specific Drugs, Associated Gene(s), and Date of Implementation

Drug	Gene	EHR Implementation
Abacavir	HLA-B*57:01	1/26/2013
Carbamazepine	HLA-B*15:02	4/14/2013
Azathioprine	TPMT	6/20/2013
6-Mercaptopurine	TPMT	6/20/2013
Thioguanine	TPMT	6/20/2013
Codeine	CYP2D6	10/26/2013
Tramadol	CYP2D6	10/26/2013
Tamoxifen	CYP2D6	12/19/2013
Simvastatin	SLCO1B1	4/24/2014
Clopidogrel	CYP2C19	9/18/2014
Warfarin	CYP2C9/VKORC1	9/18/2014
Allopurinol	HLA-B*58:01	11/20/2014