**Supplementary Table 1:** Clinical trial lists for the top hits from drug target similarity approach.

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| **Drug** | **Trial ID** |
| Resveratrol | NCT01504854 - phase II, NCT00678431 phase III |
| Copper | NCT00608946 - phase II |
| Acetylcysteine | NCT01370954 |
| Curcumin | NCT01001637 - phase II, NCT00099710 - phase II, NCT01811381 - phase II |
| Simvastatin | NCT00486044 - phase II, NCT00053599 - phase III |
| Celecoxib | NCT00007189 - phase III, NCT01417130, NCT00065169 |
| Estradiol | NCT00066157 - phase II |
| Testosterone | NCT00392912, NCT00539305 - phase III |
| Rosiglitazone | NCT00381238 - phase II, NCT00265148 - phase II, NCT00348140 - phase III |
| Cyclophosphamide | NCT00013650 - phase I |
| Genistein | NCT01982578 |
| Selenium | NCT00040378 - phase III |
| Indomethacin | NCT00432081 - phase III |
| Melatonin | NCT00544791 - phase II, NCT00940589 - phase II |
| Rifampin | NCT00692588 |