A
2088 Trauma patients screened

- Failed inclusion: n=1251
- Met exclusion: n=316

521 Trauma subjects enrolled

- Inadequate DNA: n=47

Trauma Genetic Cohort: n=474

- Other ancestry: n=28

African Ancestry: n=222
- ALI: 61 (27%) Non-ALI: 161

European Ancestry: n=224
- ALI: 74 (33%) Non-ALI: 150

B

Trauma Cohort
474 Subjects ~30% ALI
Large scale genotyping

- Literature Search: Gene List
  38 Genes associated with ALI

- Filter Gene List for adequate coverage on IBC chip:
  25 genes remain

- SKAT: test haplotype variation by ALI status
  Ancestry-specific

4 Genes replicate ALI association in African Americans

2 Genes replicate ALI association in European Americans

Excluded 9 genes reported in abstract form only due to inadequate detail