Is there any point to human prediction?

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Servers improving

- Libraries for SAM-T06 kept current.
- SAM-T08-server better method.
Catching up to Robetta

All target domains

SAM-T08-server better

Robetta-server better

T0504/D3

T0398/D2

T0513/D2

T0462/D2

T0393/D2
Zhang consistently better

All target domains

SAM-T08-server better

Zhang-server better

human vs. server – p.4/12
ITAS (It’s The Alignment, Stupid)

... or is it?

Domains of all targets

SAM-T08-server better

align1 better

T0496/D2

T0480/D1

T0431/D2

T0389/D1

T0448/D1

human vs. server – p.5/12
ITAS (It’s The Alignment, Stupid)

All targets (WHOLE CHAIN)

SAM-T08-server better

best_align better

human vs. server – p.6/12
How I wasted spent my summer vacation

- Hand prediction started 5 May 2008.
- About 800 hours of work for little pay (no summer salary).
- Was it worth the effort?
Human still better

Domains of Human Subset

SAM-T08-human better

SAM-T08-server better
Human could use metaserver results

- SAM-T08-human better
- SAM-T08-MQAC better

Domains of Human Subset

human vs. server – p.9/12
Metaserver better than best server

Domains of all targets

SAM-T08-MQAC better

Zhang-server better

human vs. server – p.10/12
Metaserver better than best alignment

Best alignment generated by SAM and given to undertaker not as good as metaserver results.
Web sites

CASP8 working files:  http://www.soe.ucsc.edu/~karplus/casp8/

List of my papers:
http://www.soe.ucsc.edu/~karplus/papers/paper-list.html

These slides:  http://www.soe.ucsc.edu/~karplus/casp8/
poster/human-vs-server.pdf

UCSC bioinformatics (research and degree programs) info:
http://www.soe.ucsc.edu/research/compbio/