**Codebook for “Complementarity in Alliance: How strategic compatibility and hierarchy promote efficient cooperation in international security”**

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Variables in 03\_df-full.rds used to produce results in the figures and tables

dol\_nicheolap – division of labor index measuring the degree to which members of the alliance specialize in one task versus performing all tasks and whether a task is performed by one alliance member or many of them. See Section 4.1

strcomp\_cinc\_total\_scaled – strategic compatibility of the alliance. See Section 4.2

hier\_laplace\_scaled – hierarchy of the alliance. See Section 4.3

year – calendar year

year\_sq – calendar year, squared

year\_cube – calendar year, cubed

milinst - peacetime military coordination indicating the presence of peacetime integrated

military command and a common defense policy

demo\_polityprop - proportion of alliance members with a Polity score greater or equal to 6

dist\_contigprop - proportion of alliances members that are contiguous

dist\_maxlog – maximum capital to capital distance across alliance members

rivals\_log - logged number of total threats faced by all alliance members

members\_log – logged number of states in each alliance-year

allianceage\_avg – average number of years each member has been in the alliance