

	Suturing		Knot Tying		Needle Passing	
	LOSO	LOUO	LOSO	LOUO	LOSO	LOUO
MFA-HMM	92.3	38.5	86.1	44.4	76.9	46.2
KSVD-HMM	97.4	59	94.4	58.3	96.2	26.9
SMT	99.70	35.3	99.6	32.3	99.9	57.1
DCT	100	64.7	99.7	54.8	99.9	35.7
DFT	100	64.7	99.9	51.6	99.9	46.4
ApEn	100	88.2	99.9	77.4	100	85.7