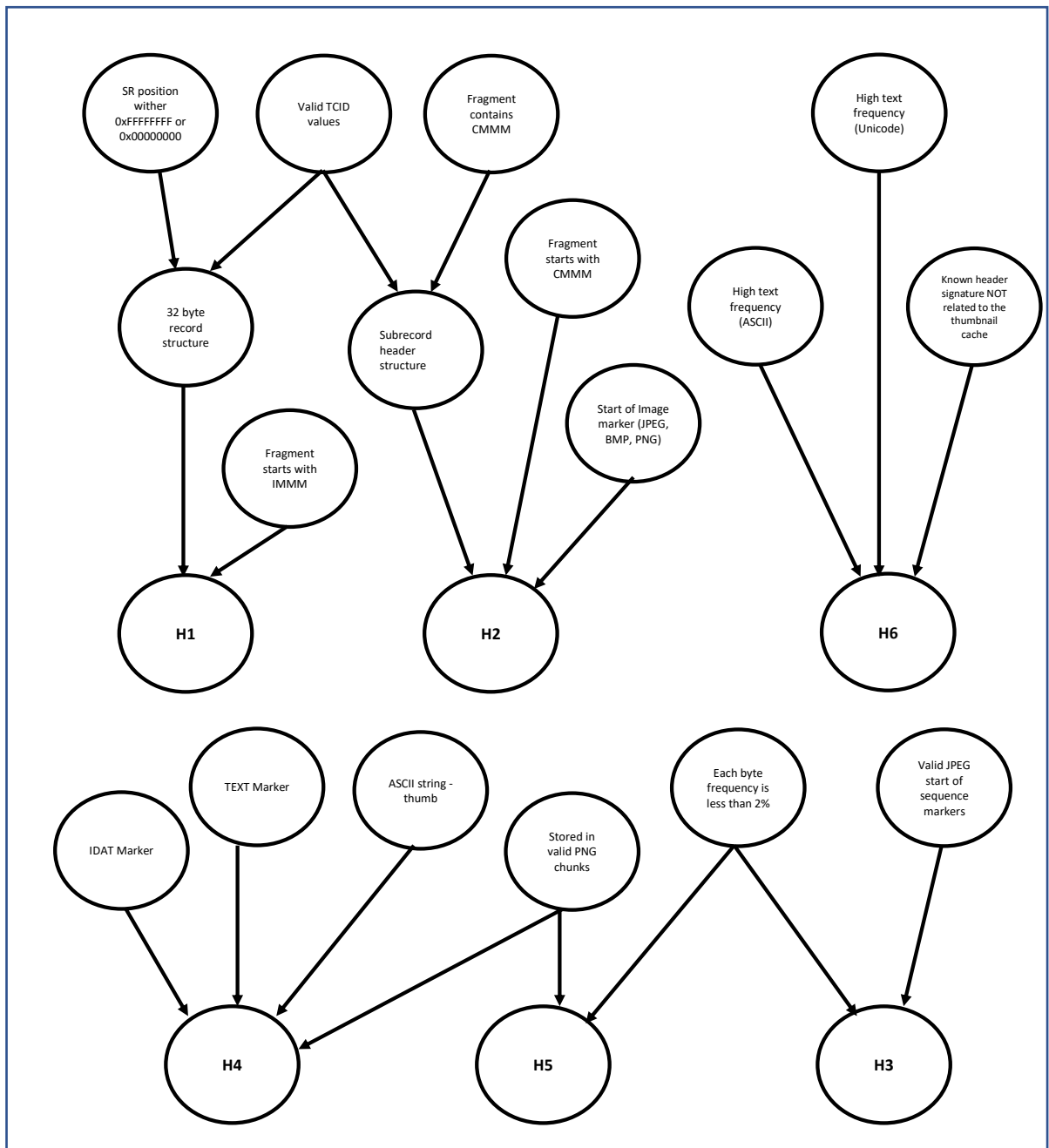


Bayesian Network and probability tables for Thumbnail Cache Identification



B.1 SR Position either 0xFFFFFFFF or 0x00000000

	Probability
True	0.014847
False	0.985153

B.2 Valid Thumbnail Cache ID (TCID) values

	Probability
True	0.0002
False	0.9998

B.3 Fragment contains CMMM

	Probability
True	0.00101
False	0.99899

B.4 Fragment contains a Start of Image (SOI) marker

	Probability
True	0.01553
False	0.98447

B.5 Fragment starts with “IMMM”

	Probability
True	0.000000001
False	0.999999999

B.6 Fragment contains an IDAT marker

	Probability
True	0.004407
False	0.995593

B.7 Fragment contains a TEXT marker

	Probability
True	0.001646
False	0.998354

B.8 Fragment contains the ASCII string “thumb”

	Probability
True	0.00317
False	0.96828

B.9 Fragment stored in valid PNG chunks

	Probability
True	0.06726
False	0.93274

B.10 Each byte frequency is less than 2 %

	Probability
True	0.0549
False	0.94509

B.11 Valid JPEG start of sequence markers

	Probability
True	0.062757
False	0.937243

B.12 High text frequency (Ascii)

	Probability
True	0.34485
False	0.65515

B.13 High text frequency (Unicode)

	Probability
True	0.09664
False	0.90336

B.14 Known header signature NOT thumbnail cache

	Probability
True	0.985742
False	0.014258

B.15 32 byte record structure

SR position either 0xFFFFFFFF or 0x00000000	Valid TCID values	Probability
True	True	1
True	False	0
False	True	0
False	False	0

B.16 Subrecord header structure

Valid TCID values	Fragment contains CMMM	Probability
True	True	0.965548
True	False	0.025903
False	True	0.008549
False	False	0

B.17 H1

32 byte record structure	Fragment starts with "IMMM"	Probability
True	True	0.0916
True	False	0.9084
False	True	0
False	False	0

B.18 H2

Subrecord header structure	Fragment starts with CMMM	Start of Image marker	Probability
True	True	True	0.07407
True	True	False	0.018518
True	False	True	0.876242
True	False	False	0.0307
False	True	True	0
False	True	False	0
False	False	True	0.00047
False	False	False	0

B.19 H3

Each byte frequency is less than 2 %	Valid JPEG start of sequence markers	Probability
True	True	0.821516
True	False	0.05057
False	True	0.12202
False	False	0.005894

B.20 H4

IDAT marker	TEXT marker	Ascii string "thumb"	Valid PNG chunks	Probability
True	True	True	True	0.16807
True	True	True	False	0
True	True	False	True	0
True	True	False	False	0
True	False	True	True	0
True	False	True	False	0
True	False	False	True	0.82415
True	False	False	False	0
False	True	True	True	0.00778
False	True	True	False	0
False	True	False	True	0
False	True	False	False	0
False	False	True	True	0
False	False	True	False	0
False	False	False	True	0
False	False	False	False	0

B.21 H5

Stored in valid PNG chunks	Each byte frequency is less than 2 %	Probability
True	True	0.77184
True	False	0.22816
False	True	0
False	False	0

B.22 H6

High text frequency (ASCII)	High text frequency (Unicode)	Known header signature NOT thumbnail cache	Probability
True	True	True	0.0000001
True	True	False	0.0000001
True	False	True	0.049962
True	False	False	0.10672
False	True	True	0.020005
False	True	False	0.0997
False	False	True	0.0524279
False	False	False	0.6711849

