

MAPPING THE BIBLE

SOCIAL NETWORKS IN THE HOLY BOOK

Dmitry ZINOVIEV

The goal of this project was to create a set of social networks pertaining to the King James Bible.

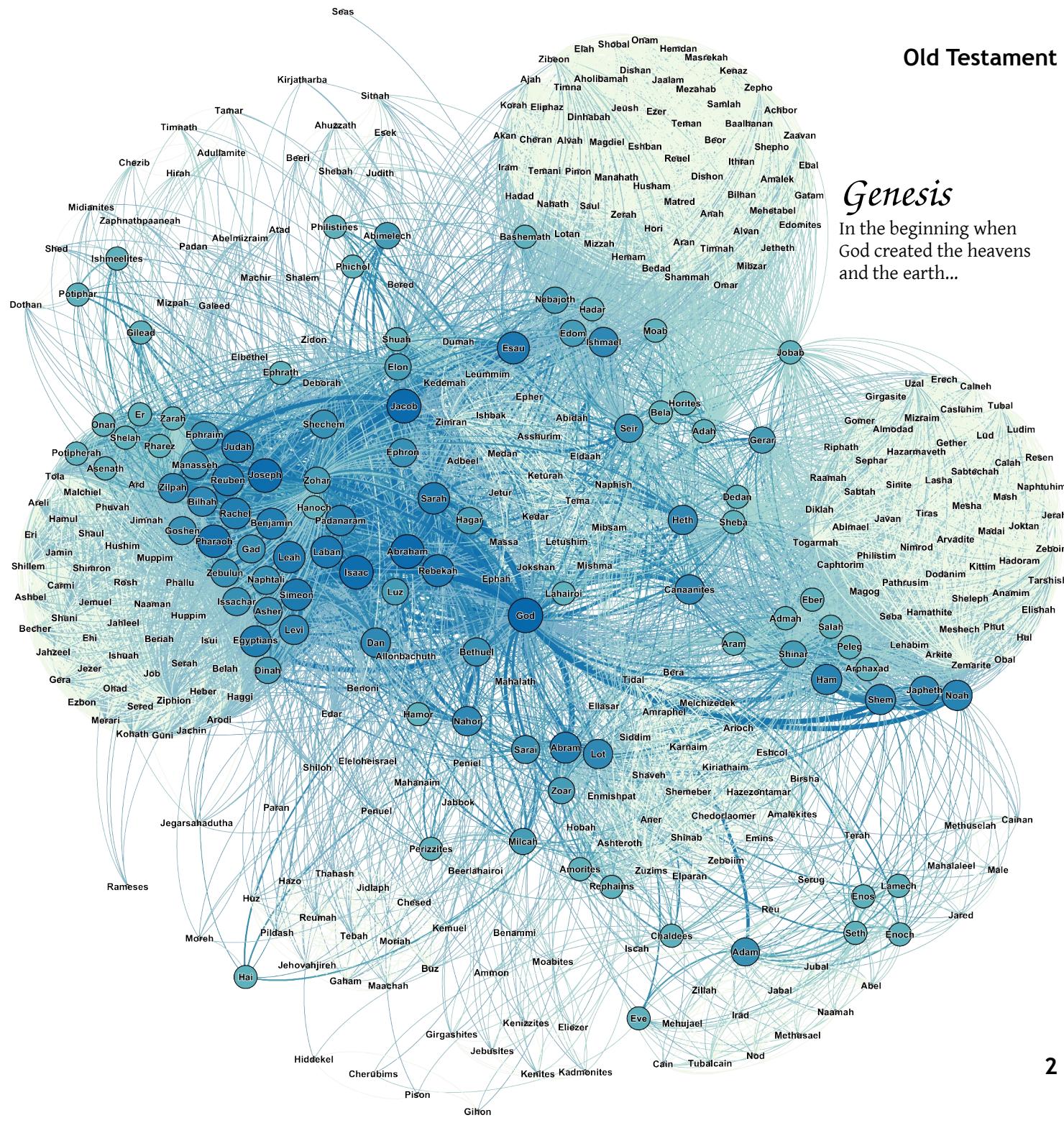
One of the major challenges the Bible readers face is a humongous variety of proper names (personal, geographical, ethnic, etc.) mentioned in the book. While the geographical and ethnic names often can be looked up on historical maps, the personal names and their relationships are much harder to comprehend—unless they are converted to a social network that could be further analyzed and visualized.

As a result of the project, a social network has been constructed for each book of the Bible. The nodes of a network are personal proper names that occur in the book. The links between the nodes are co-occurrences: two nodes are connected if the corresponding names occur in the same *chapter* of the book. The number of co-occurrences is the weight of the edge.

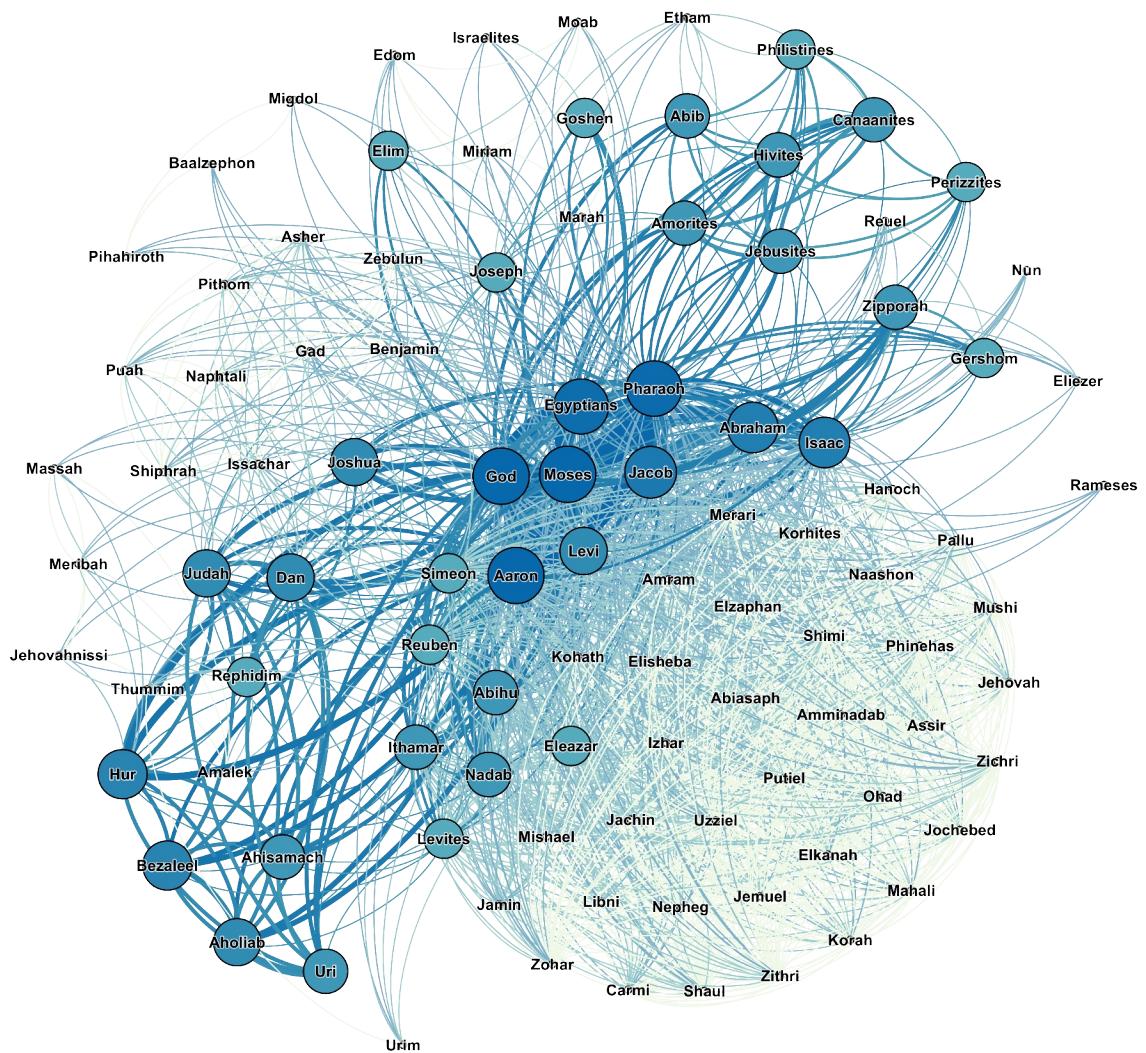
Boston—2013

Genesis

In the beginning when
God created the heavens
and the earth...



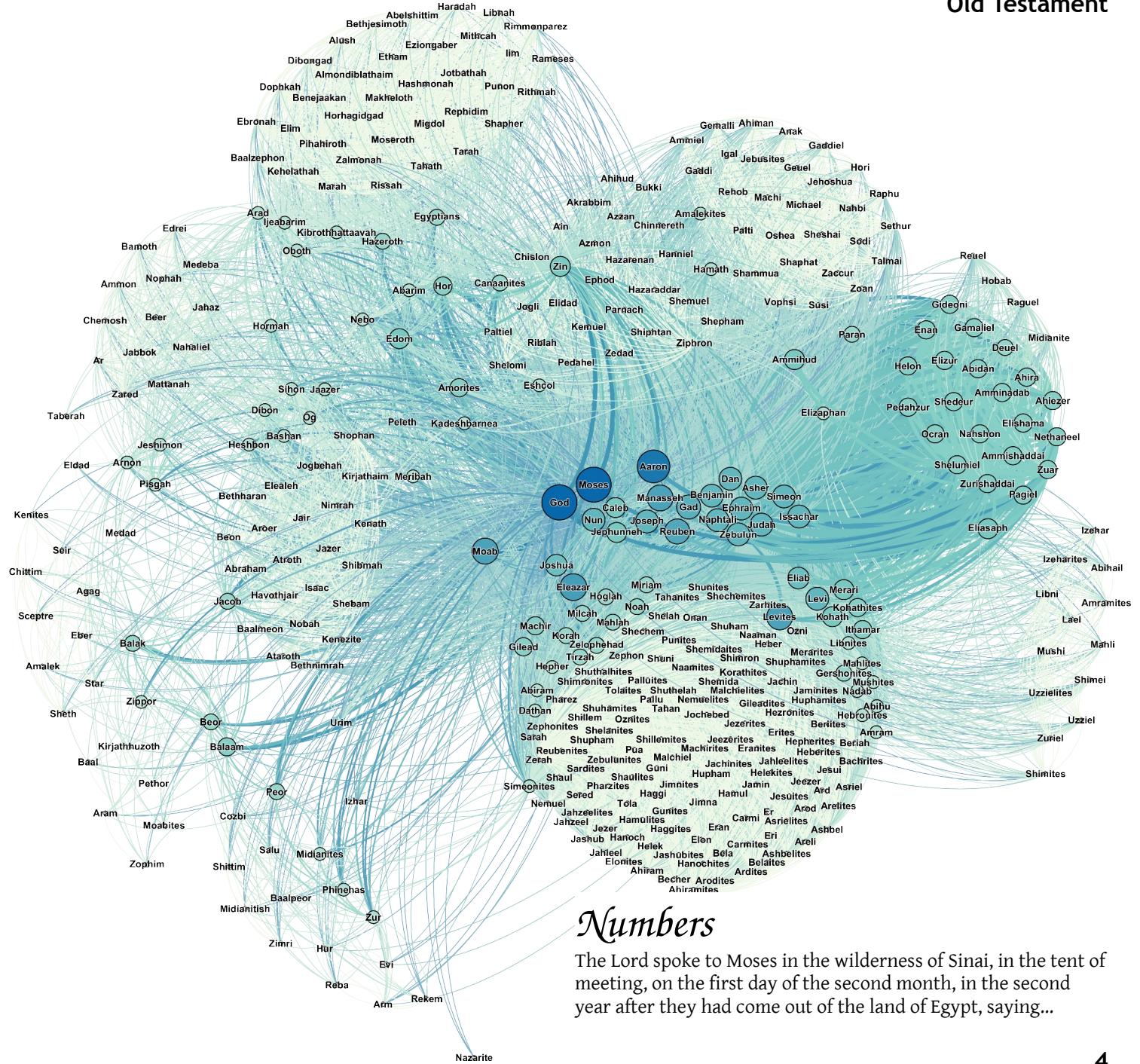
Old Testament



Exodus

These are the names of the sons of Israel who came to Egypt with Jacob, each with his household...

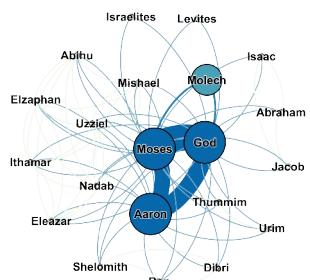
Old Testament



Numbers

The Lord spoke to Moses in the wilderness of Sinai, in the tent of meeting, on the first day of the second month, in the second year after they had come out of the land of Egypt, saying...

Old Testament

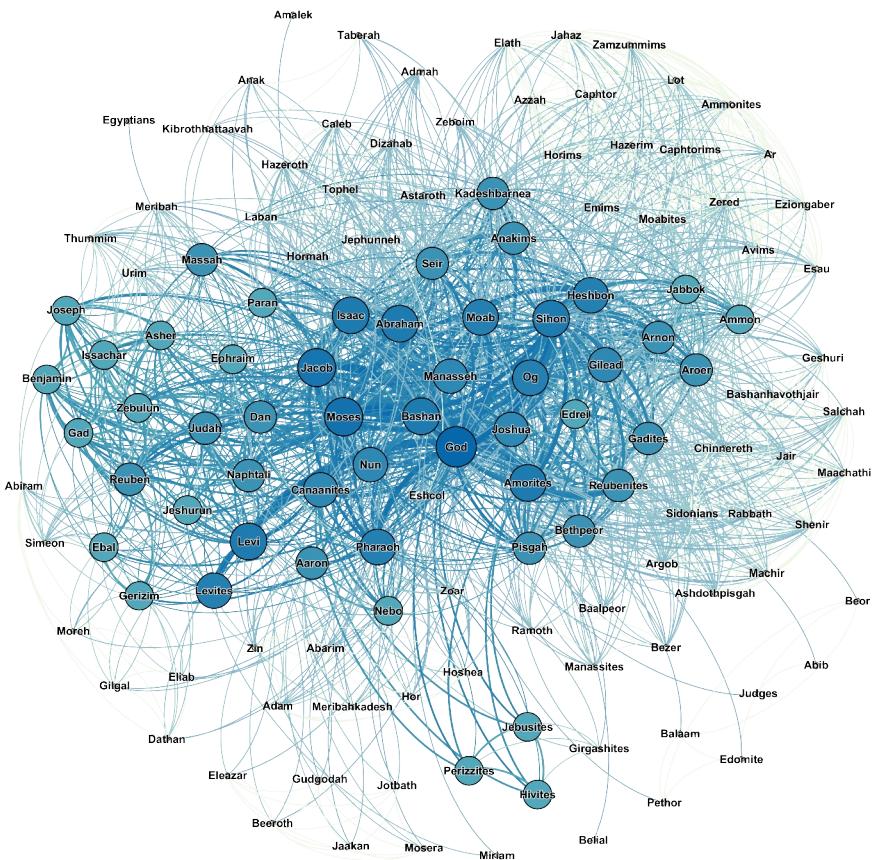


Leviticus

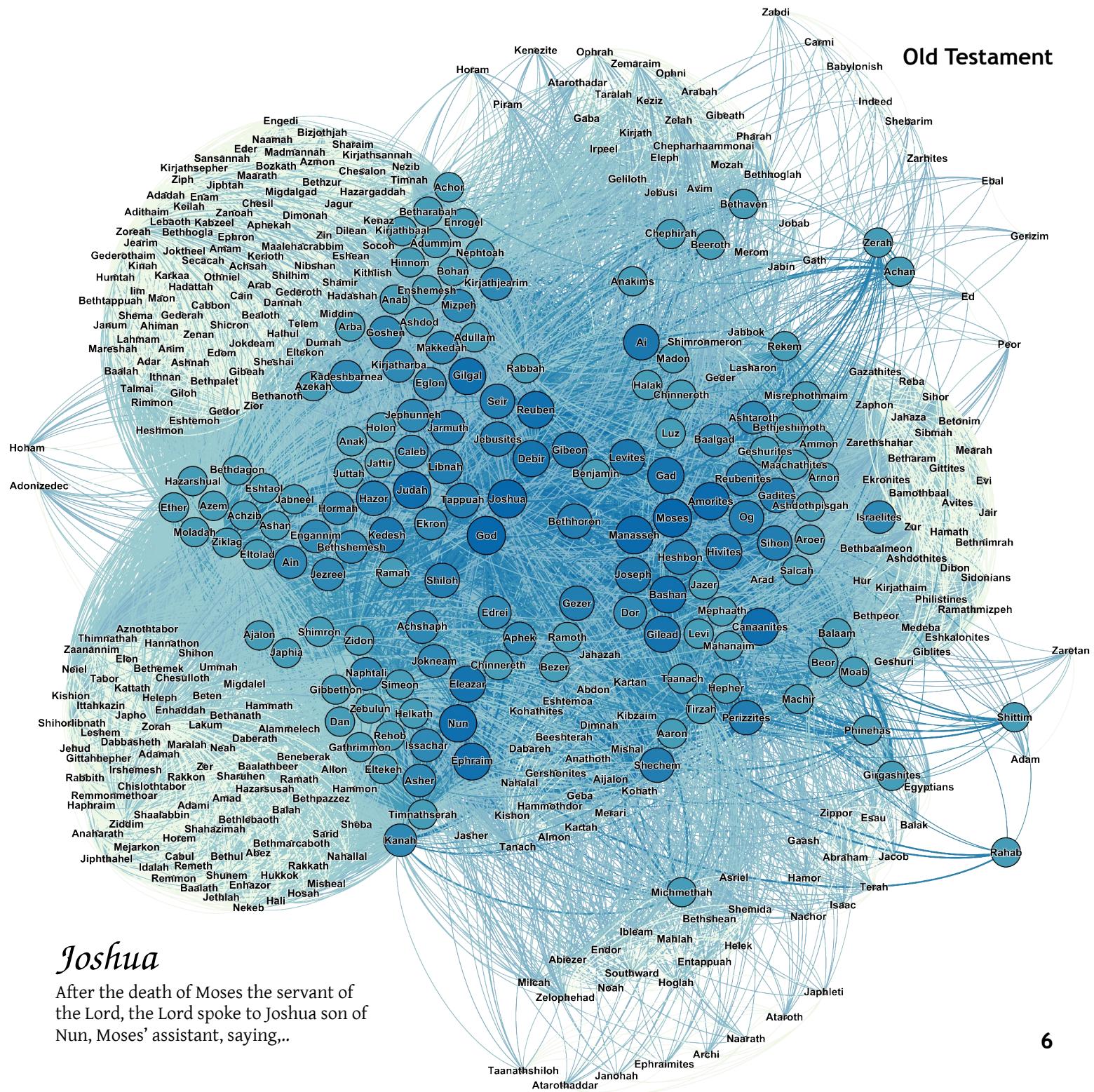
The Lord summoned Moses and spoke to him from the tent of meeting, saying...

Deuteronomy

These are the words that Moses spoke to all Israel beyond the Jordan—in the wilderness, on the plain opposite Suph, between Paran and Tophel, Laban, Hazeroth, and Di-zahab.



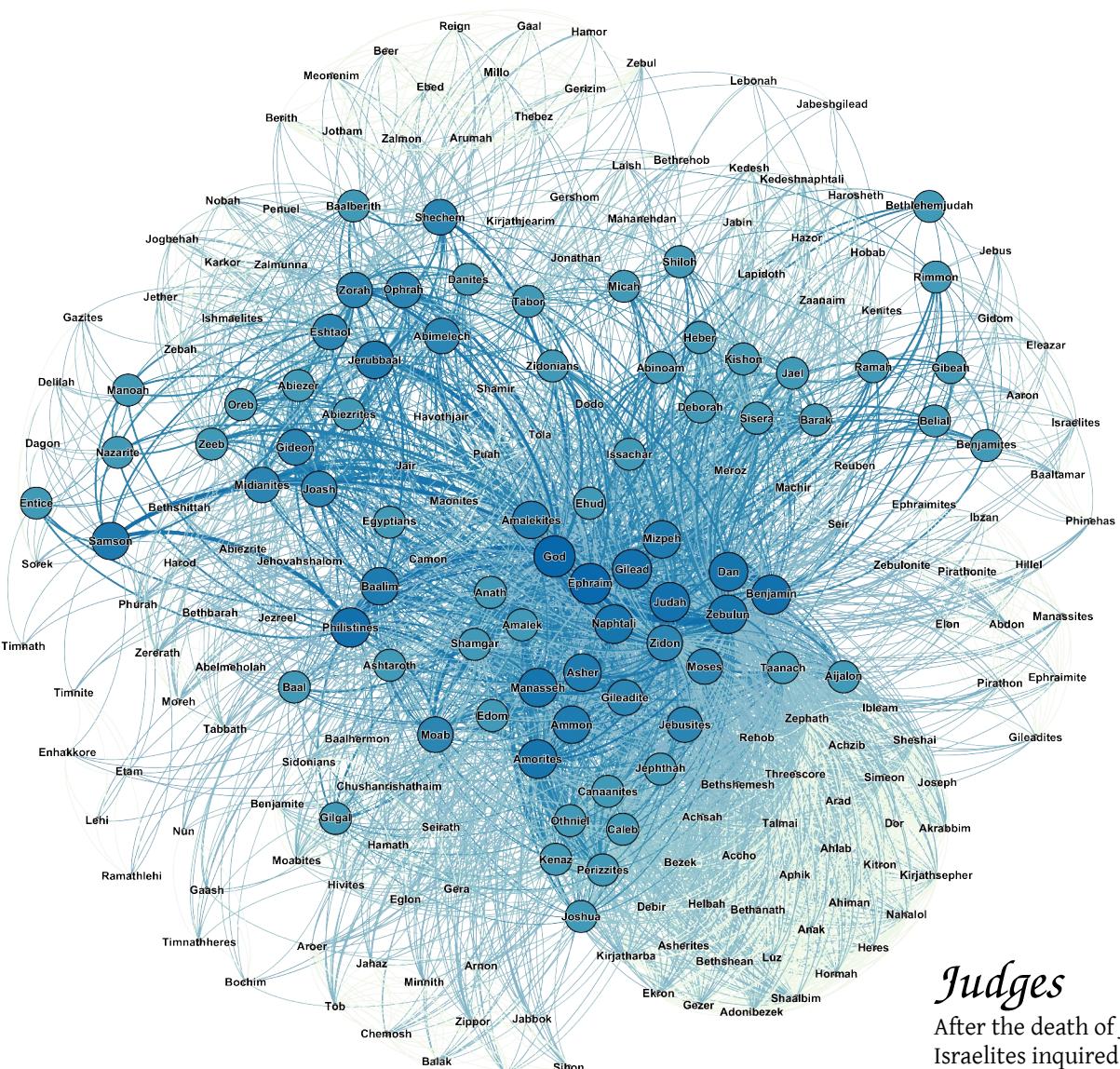
Old Testament



Joshua

After the death of Moses the servant of the Lord, the Lord spoke to Joshua son of Nun, Moses' assistant, saying...

Old Testament

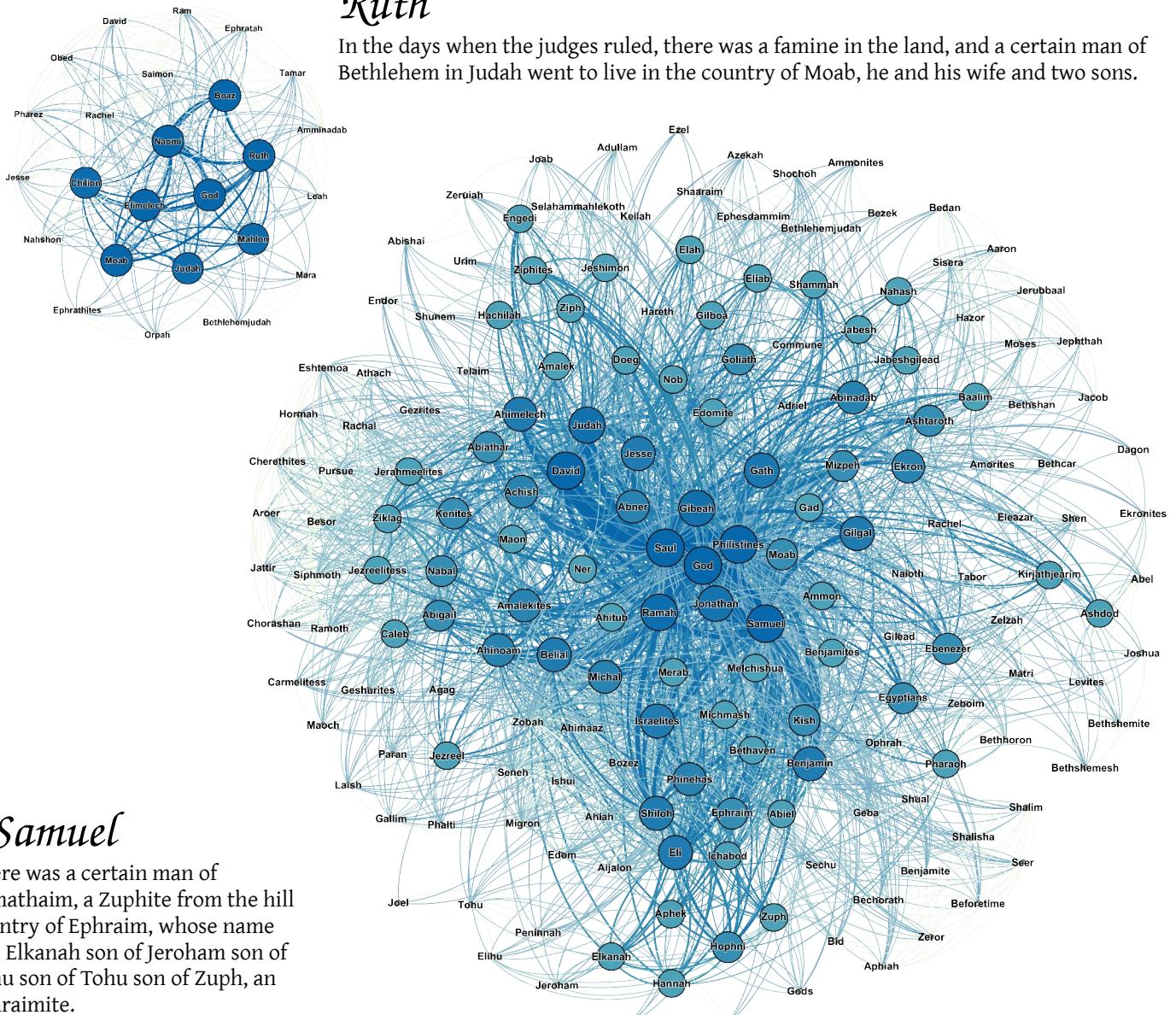


Judges

After the death of Joshua, the Israelites inquired of the Lord, “Who shall go up first for us against the Canaanites, to fight against them?”

Ruth

In the days when the judges ruled, there was a famine in the land, and a certain man of Bethlehem in Judah went to live in the country of Moab, he and his wife and two sons.



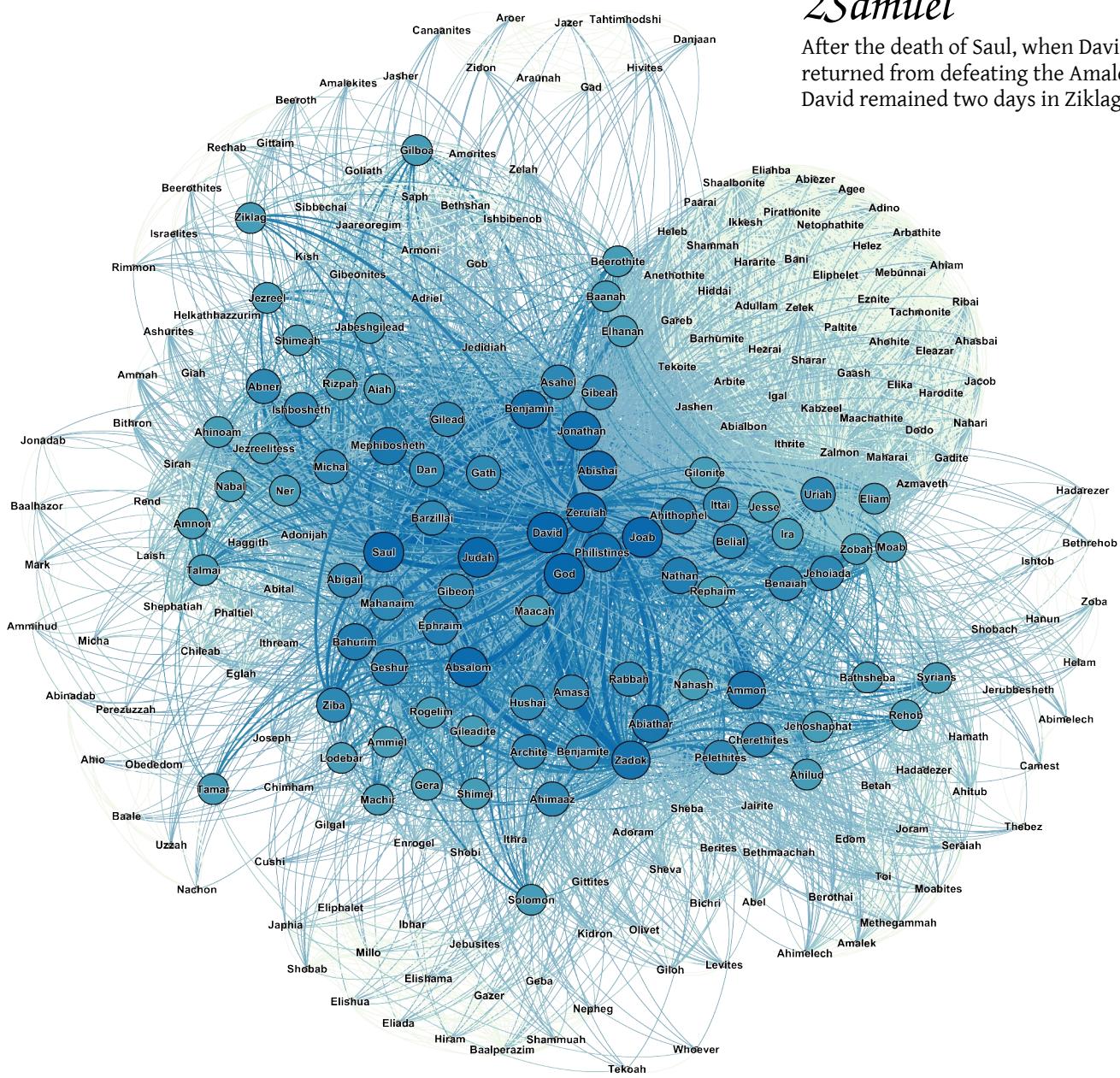
1 Samuel

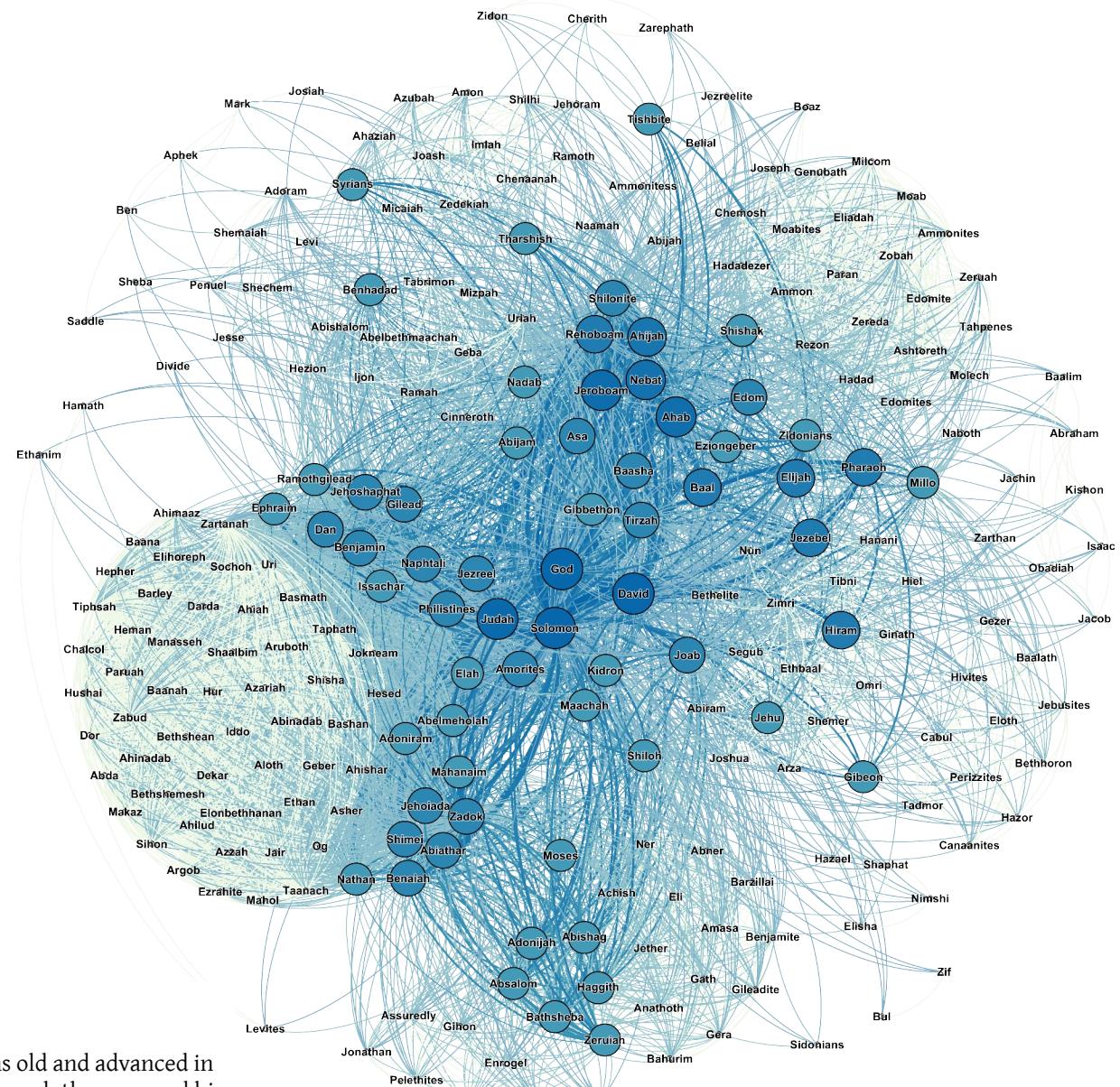
There was a certain man of Ramathaim, a Zuphite from the hill country of Ephraim, whose name was Elkanah son of Jeroham son of Elihu son of Tohu son of Zuph, an Ephraimite.

Old Testament

2Samuel

After the death of Saul, when David had returned from defeating the Amalekites, David remained two days in Ziklag.





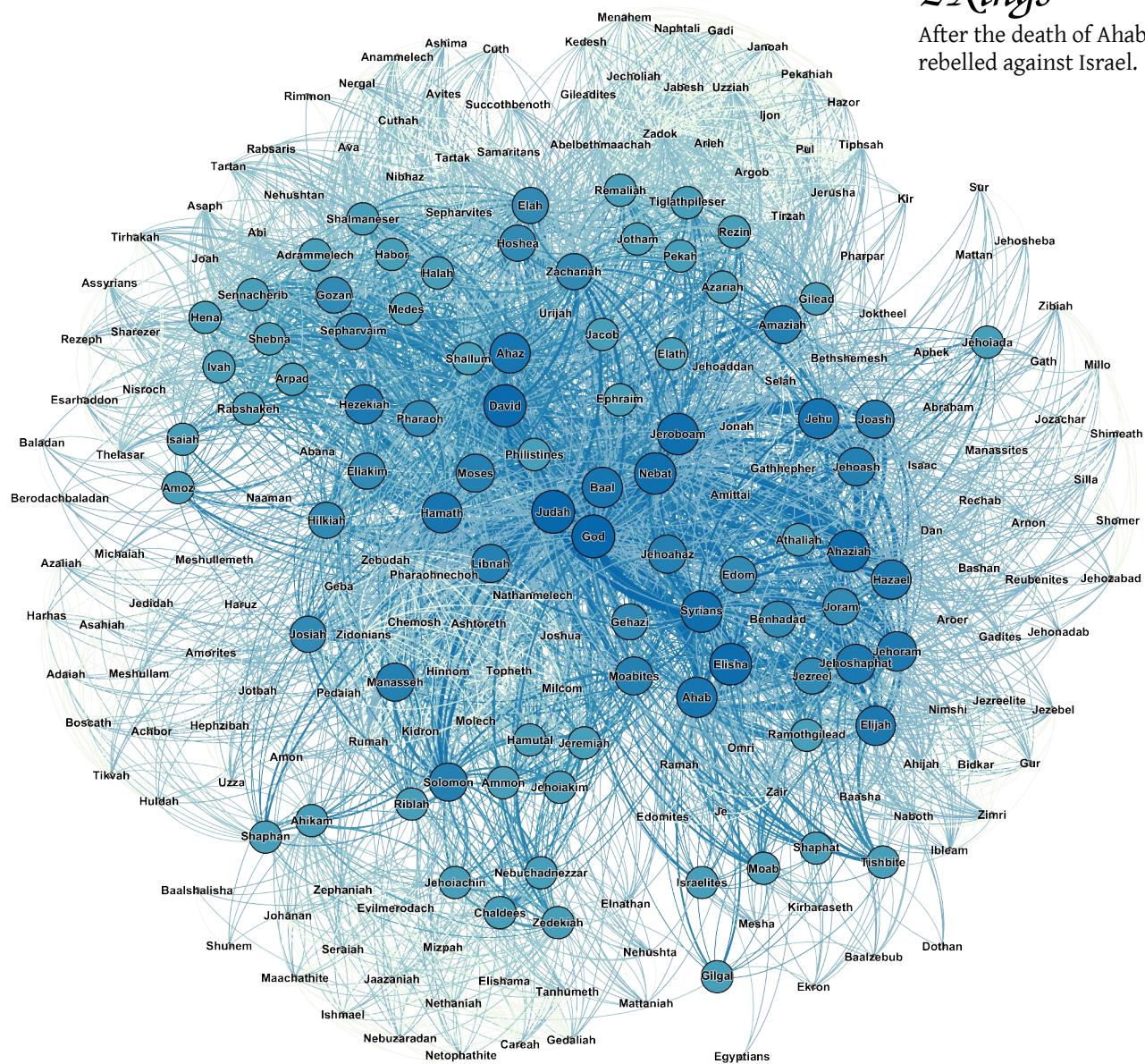
1 Kings

King David was old and advanced in years; and although they covered him with clothes, he could not get warm.

Old Testament

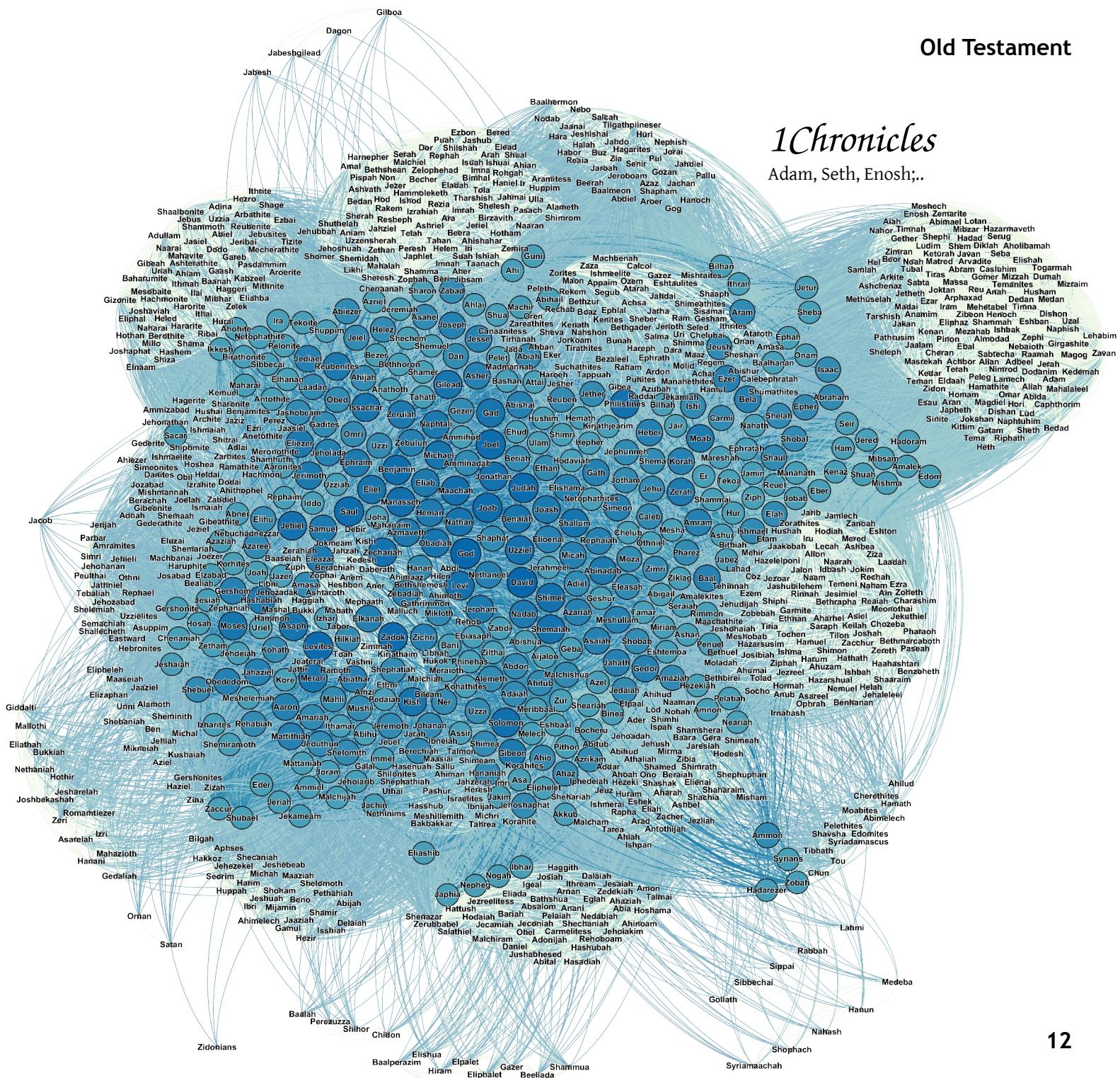
2 Kings

After the death of Ahab, Moab rebelled against Israel.



1Chronicles

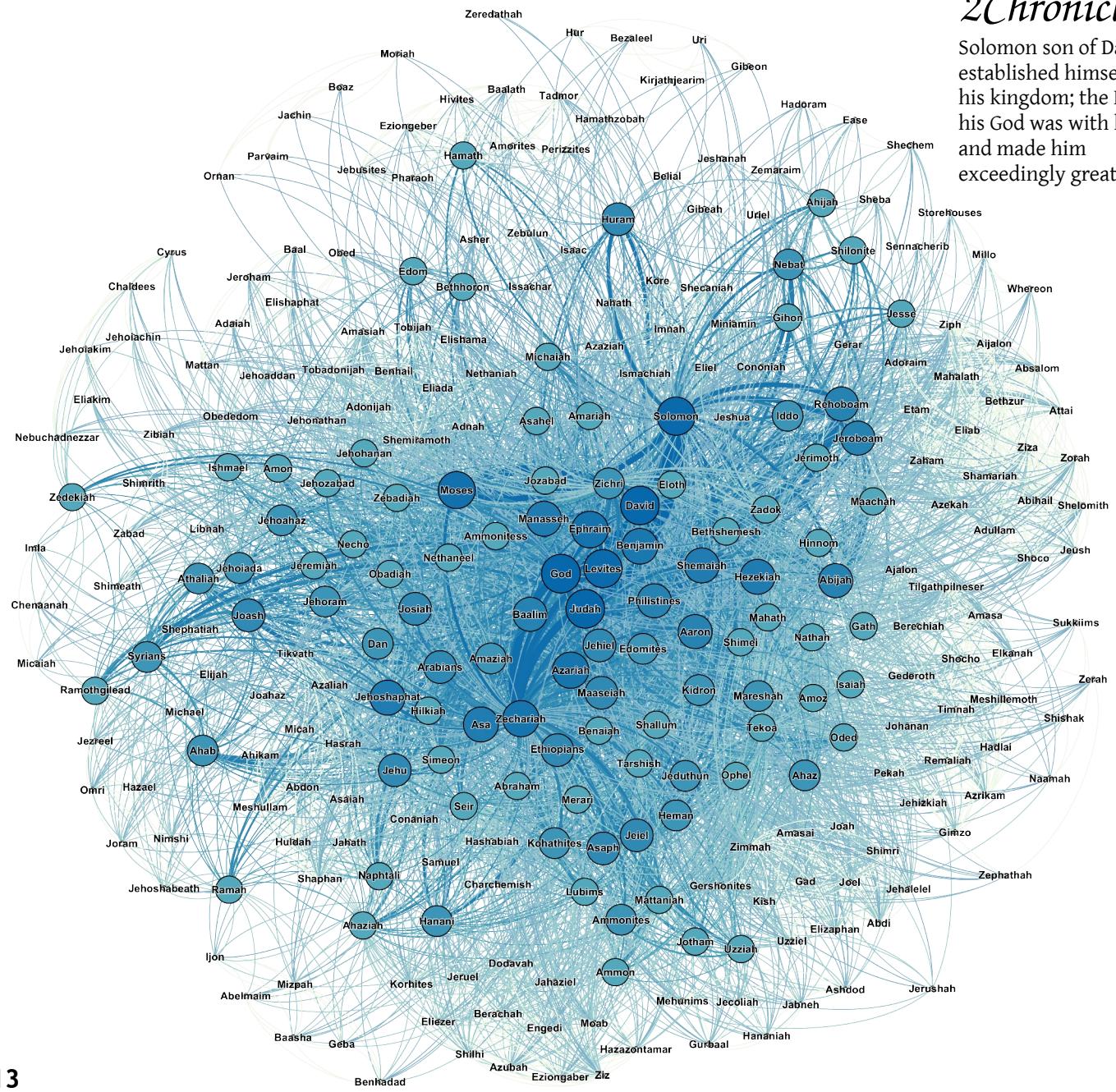
Adam, Seth, Enosh,..

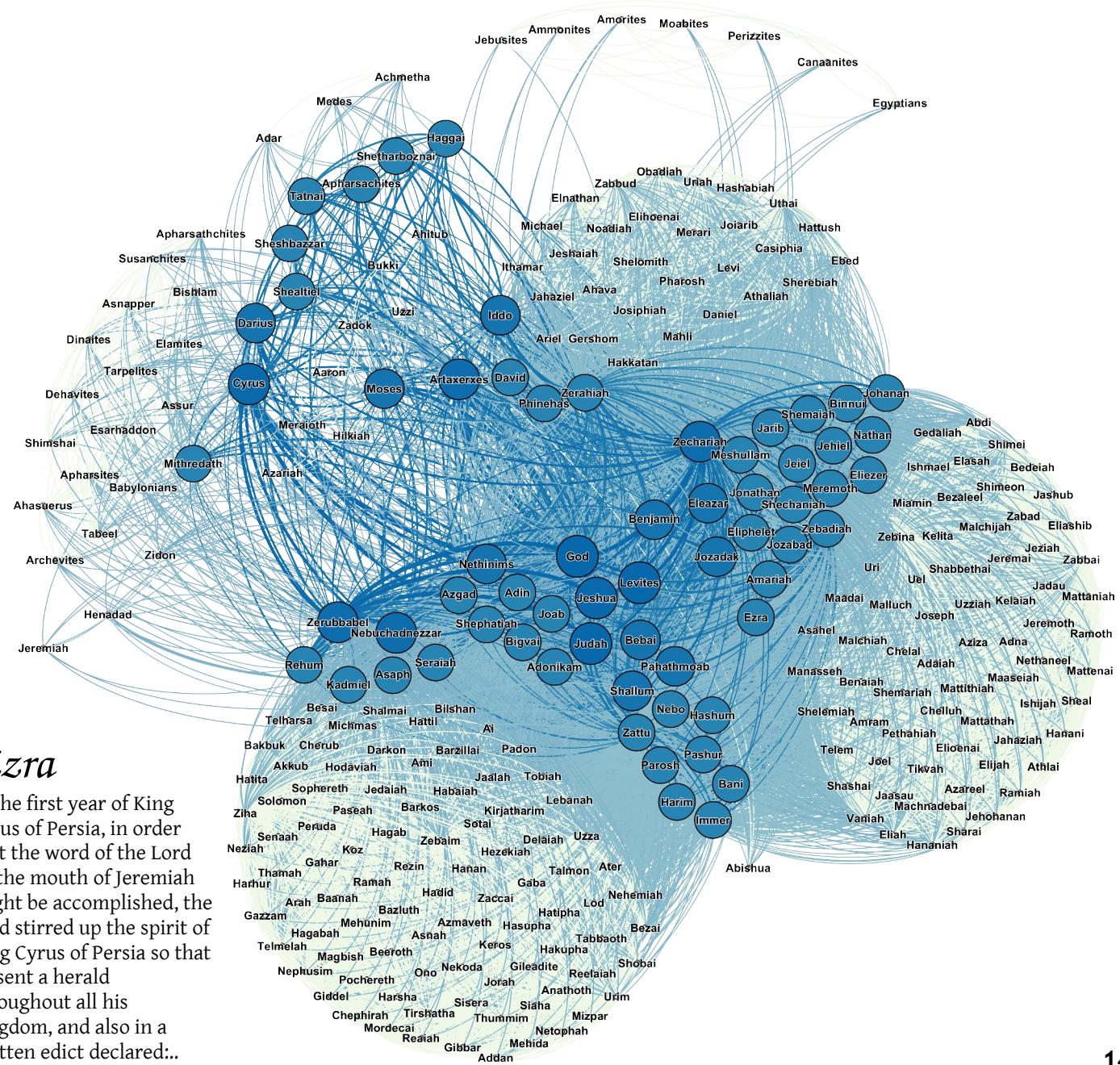


Old Testament

2Chronicles

Solomon son of David established himself in his kingdom; the Lord his God was with him and made him exceedingly great.





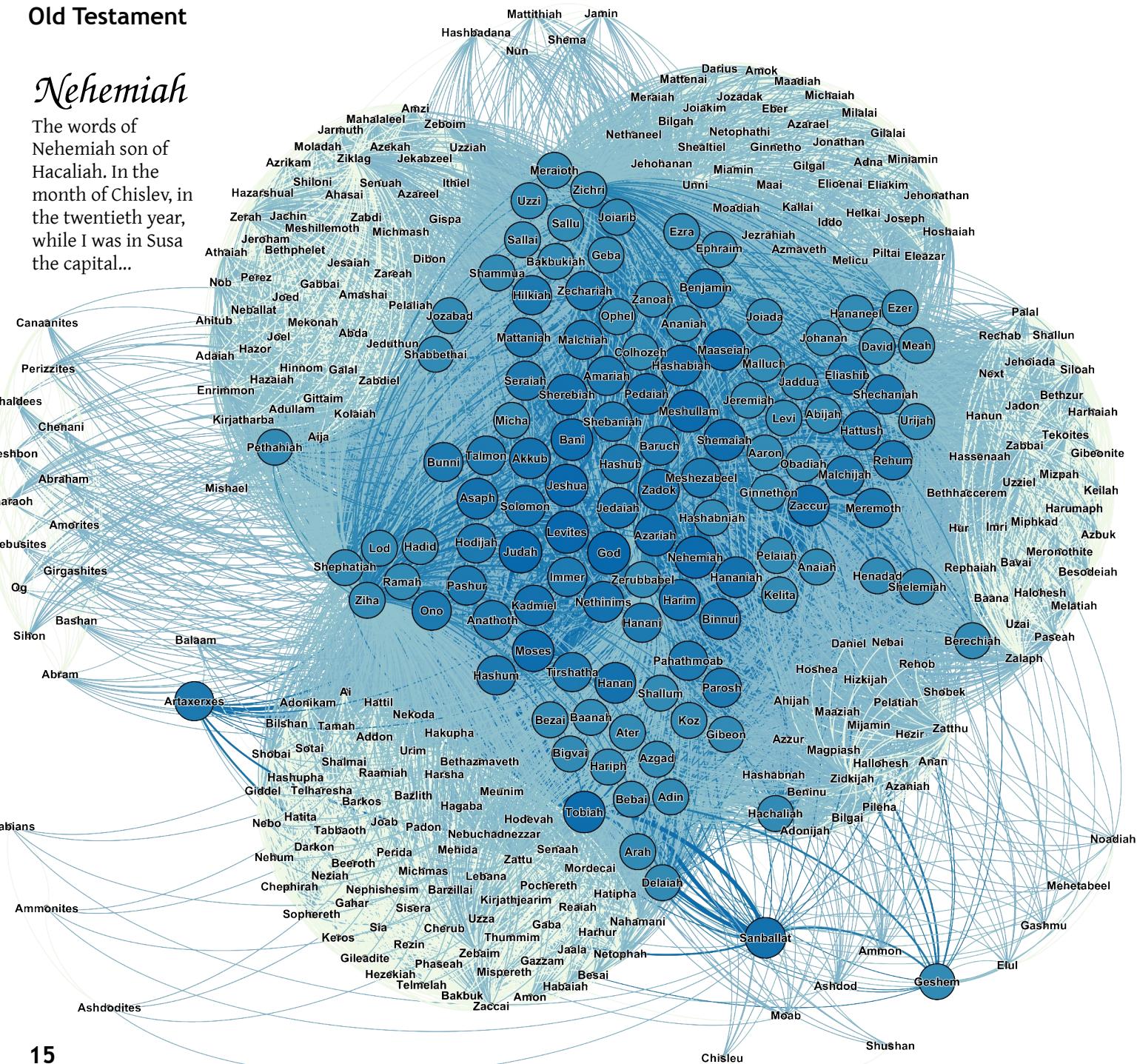
Ezra

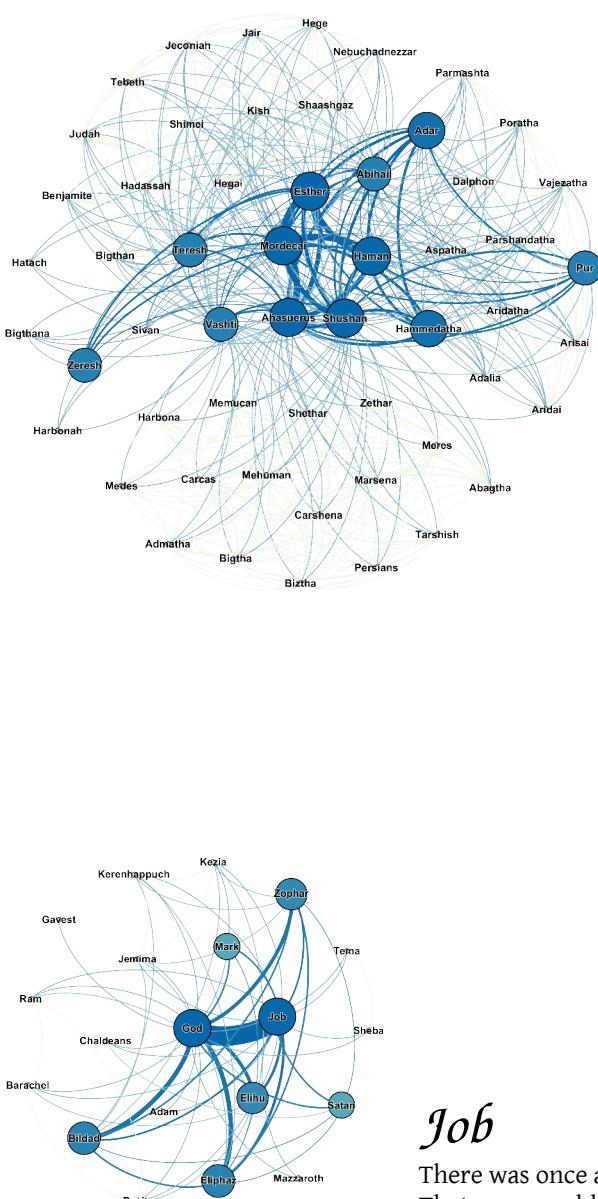
In the first year of King Cyrus of Persia, in order that the word of the Lord by the mouth of Jeremiah might be accomplished, the Lord stirred up the spirit of King Cyrus of Persia so that he sent a herald throughout all his kingdom, and also in a written edict declared:..

Old Testament

Nehemiah

The words of Nehemiah son of Hacaliah. In the month of Chislev, in the twentieth year, while I was in Susa the capital...



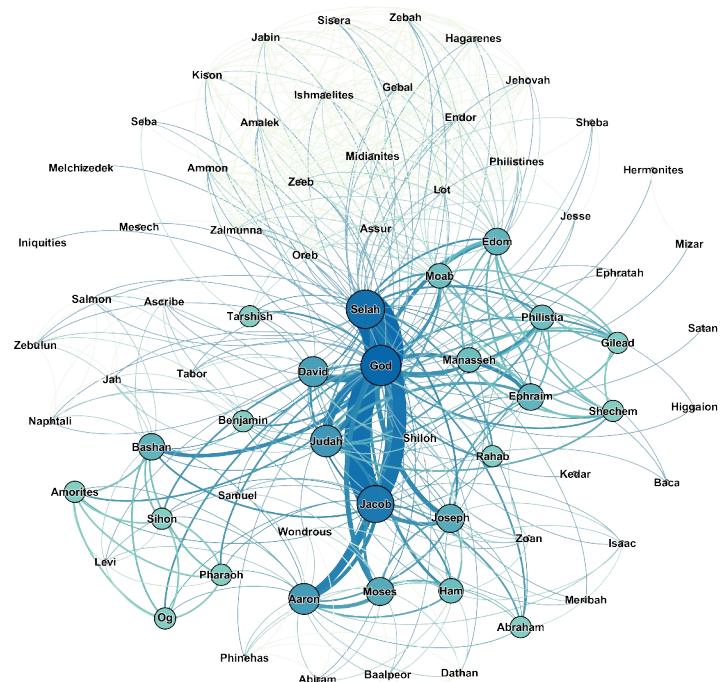


Esther

This happened in the days of Ahasuerus, the same Ahasuerus who ruled over one hundred and twenty-seven provinces from India to Ethiopia.

Psalms

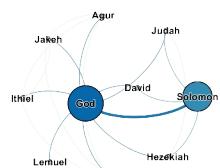
Happy are those who do not follow the advice of the wicked, or take the path that sinners tread, or sit in the seat of scoffers;..



Job

There was once a man in the land of Uz whose name was Job. That man was blameless and upright, one who feared God and turned away from evil.

Old Testament



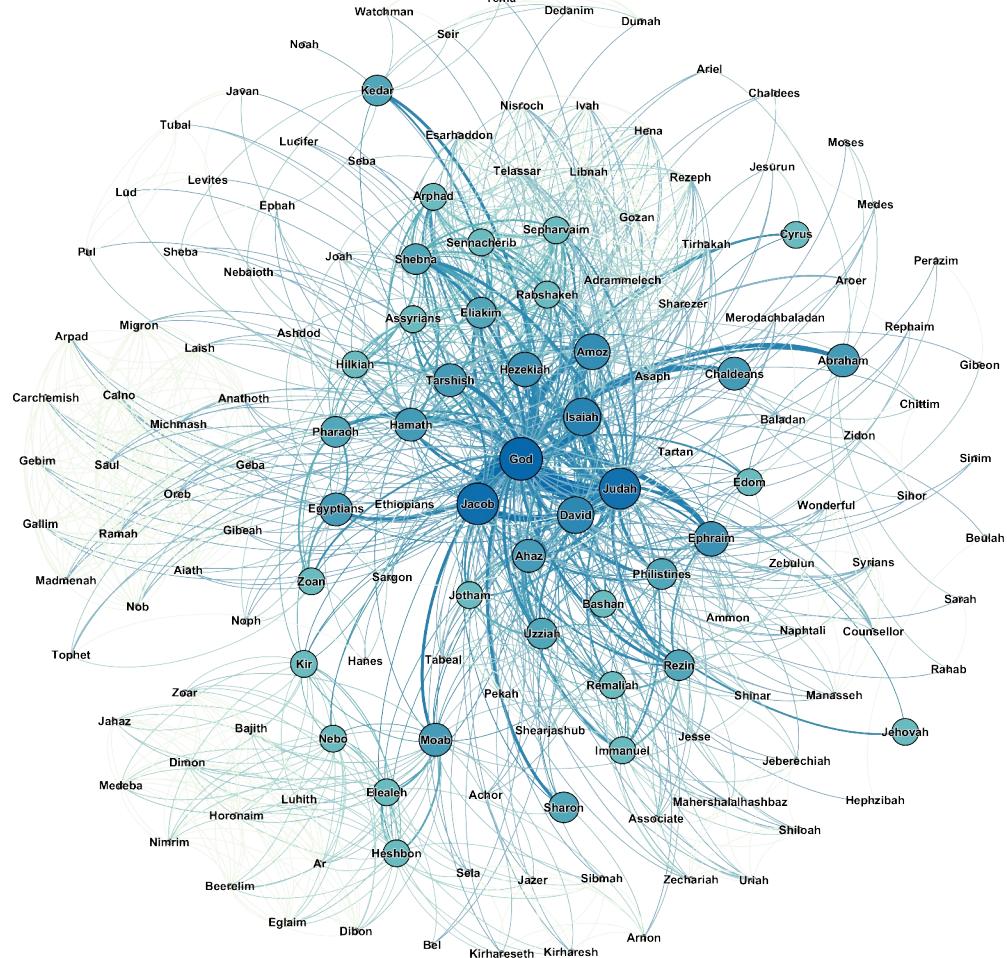
Proverbs

The proverbs of Solomon son of David, king of Israel:...



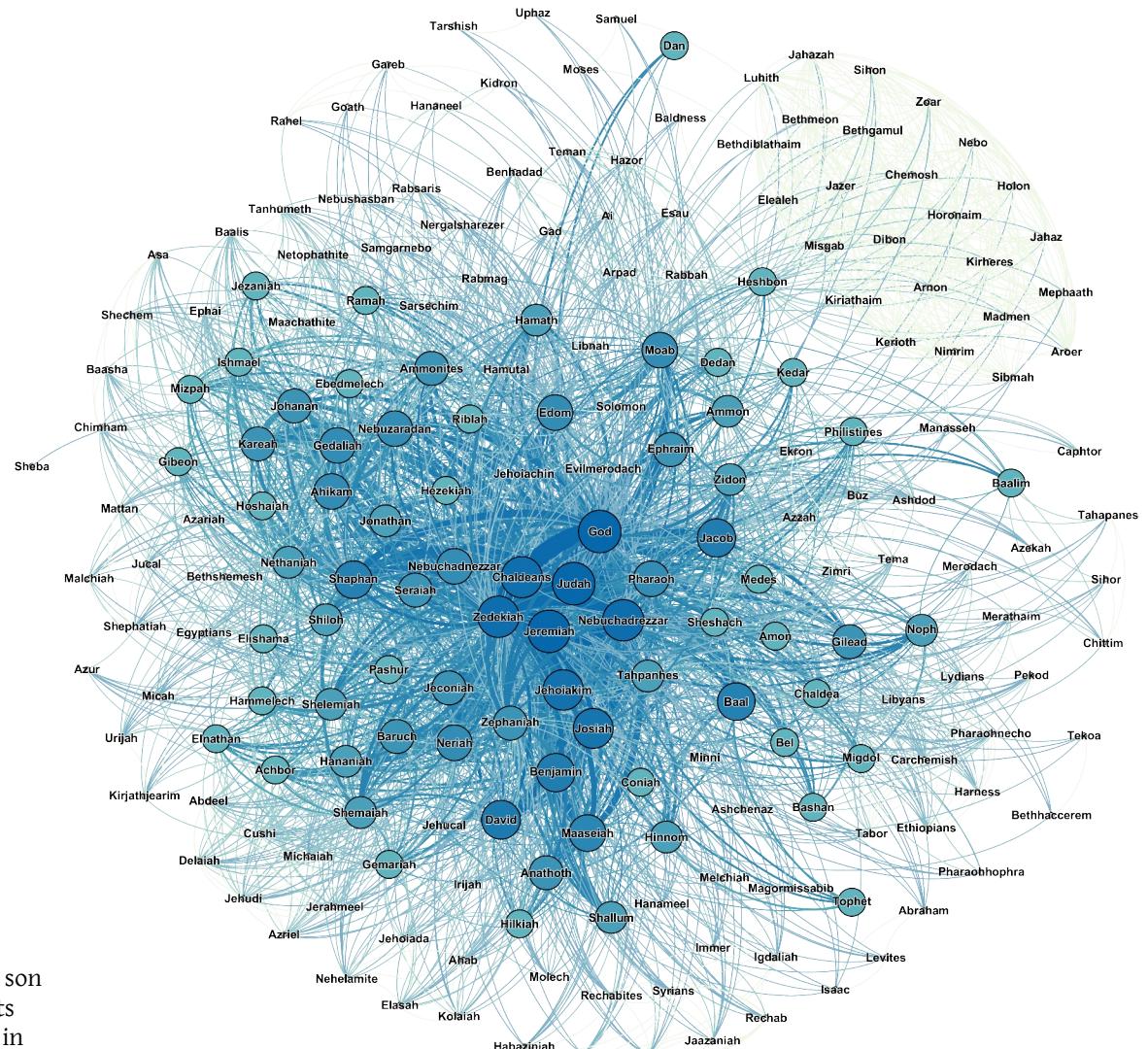
Song of Songs

The Song of Songs, which is Solomon's.



Isaiah

The vision of Isaiah son of Amoz, which he saw concerning Judah and Jerusalem in the days of Uzziah, Jotham, Ahaz, and Hezekiah, kings of Judah.



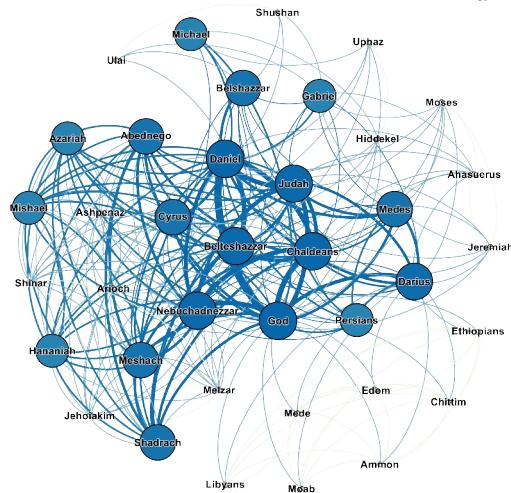
Jeremiah

The words of Jeremiah son of Hilkiah, of the priests who were in Anathoth in the land of Benjamin...

Old Testament

Lamentations

How lonely sits the city that once was full of people!
How like a widow she has become, she that was great
among the nations! She that was a princess among the
provinces has become a vassal.

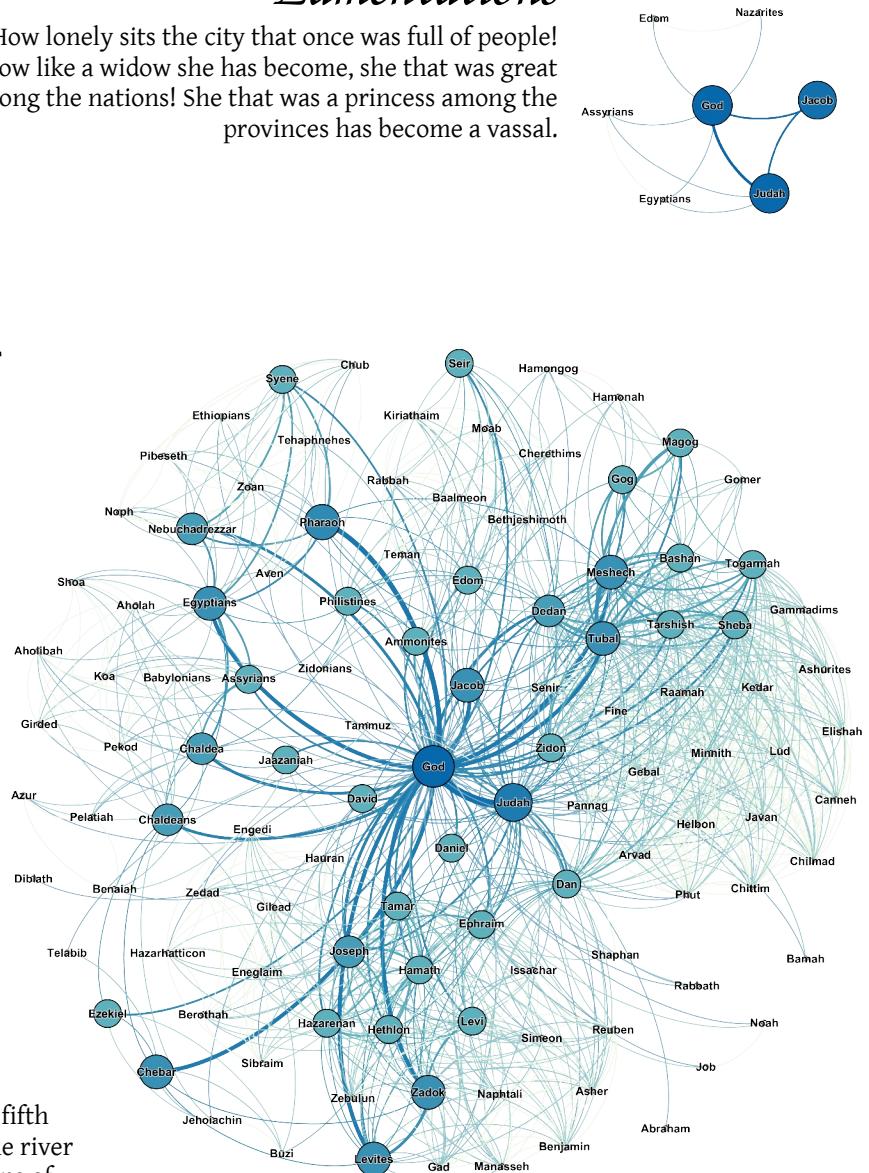


Daniel

In the third year of the reign of King Jehoiakim of Judah, King Nebuchadnezzar of Babylon came to Jerusalem and besieged it.

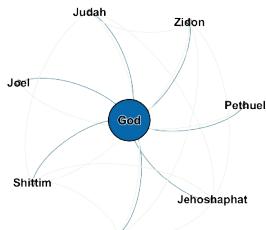
Ezekiel

In the thirtieth year, in the fourth month, on the fifth day of the month, as I was among the exiles by the river Chebar, the heavens were opened, and I saw visions of God.



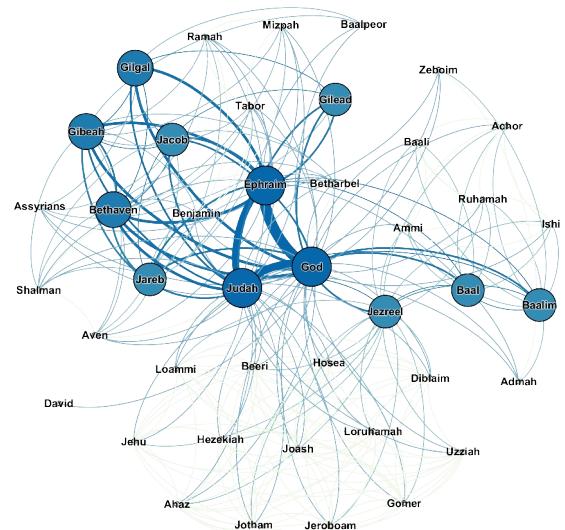
Hosea

The word of the Lord that came to Hosea son of Beeri, in the days of Kings Uzziah, Jotham, Ahaz, and Hezekiah of Judah, and in the days of King Jeroboam son of Joash of Israel.



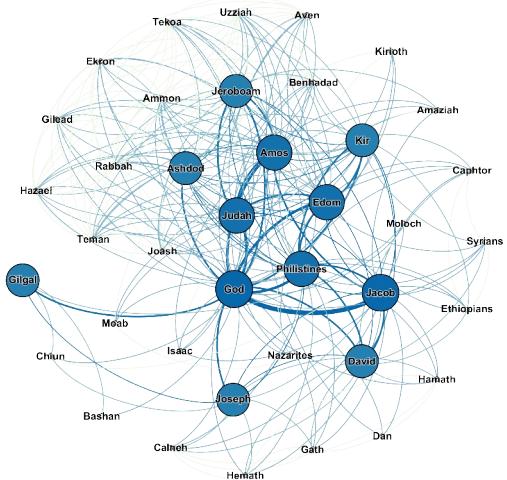
Joel

The word of the Lord that came to Joel son of Pethuel:...



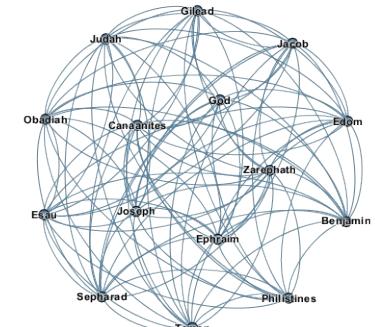
Amos

The words of Amos, who was among the shepherds of Tekoa, which he saw concerning Israel in the days of King Uzziah of Judah and in the days of King Jeroboam son of Joash of Israel, two years before the earthquake.

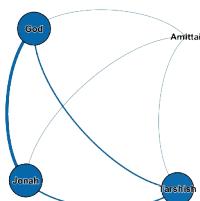


Obadiah

Thus says the Lord God concerning Edom: We have heard a report from the Lord, and a messenger has been sent among the nations: "Rise up! Let us rise against it for battle!"

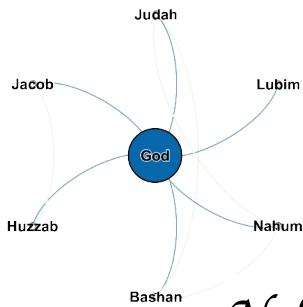


Old Testament



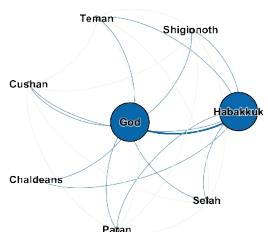
Jonah

Now the word of the Lord came to Jonah son of Amittai, saying...



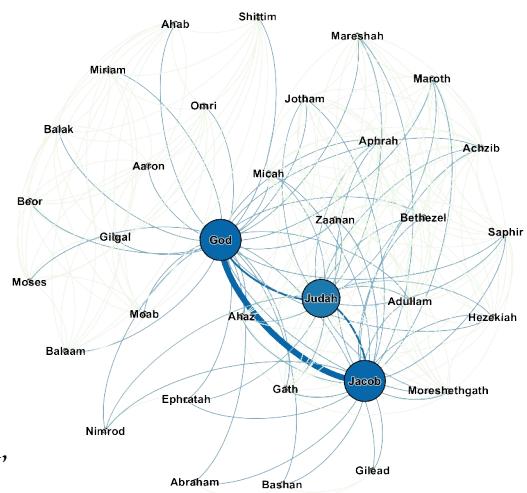
Nahum

An oracle concerning Nineveh. The book of the vision of Nahum of Elkosh..



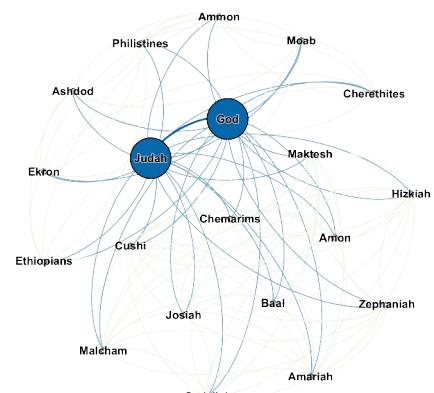
Habakkuk

The oracle that the prophet Habakkuk saw.



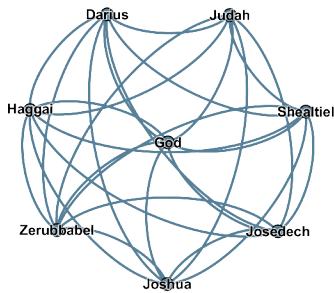
Zephaniah

The word of the Lord that came to Zephaniah son of Cushi son of Gedaliah son of Amariah son of Hezekiah, in the days of King Josiah son of Amon of Judah.



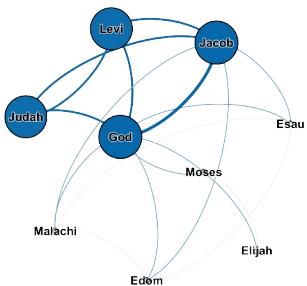
Haggai

In the second year of King Darius, in the sixth month, on the first day of the month, the word of the Lord came by the prophet Haggai to Zerubbabel son of Shealtiel, governor of Judah, and to Joshua son of Jehozadak, the high priest:....



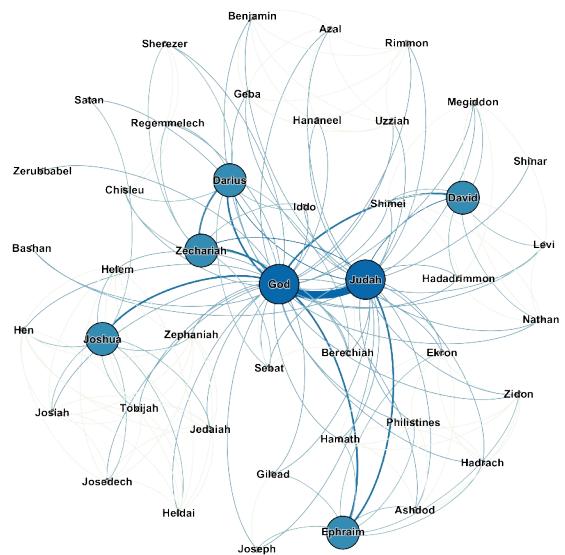
Zechariah

In the eighth month, in the second year of Darius, the word of the Lord came to the prophet Zechariah son of Berechiah son of Iddo, saying....

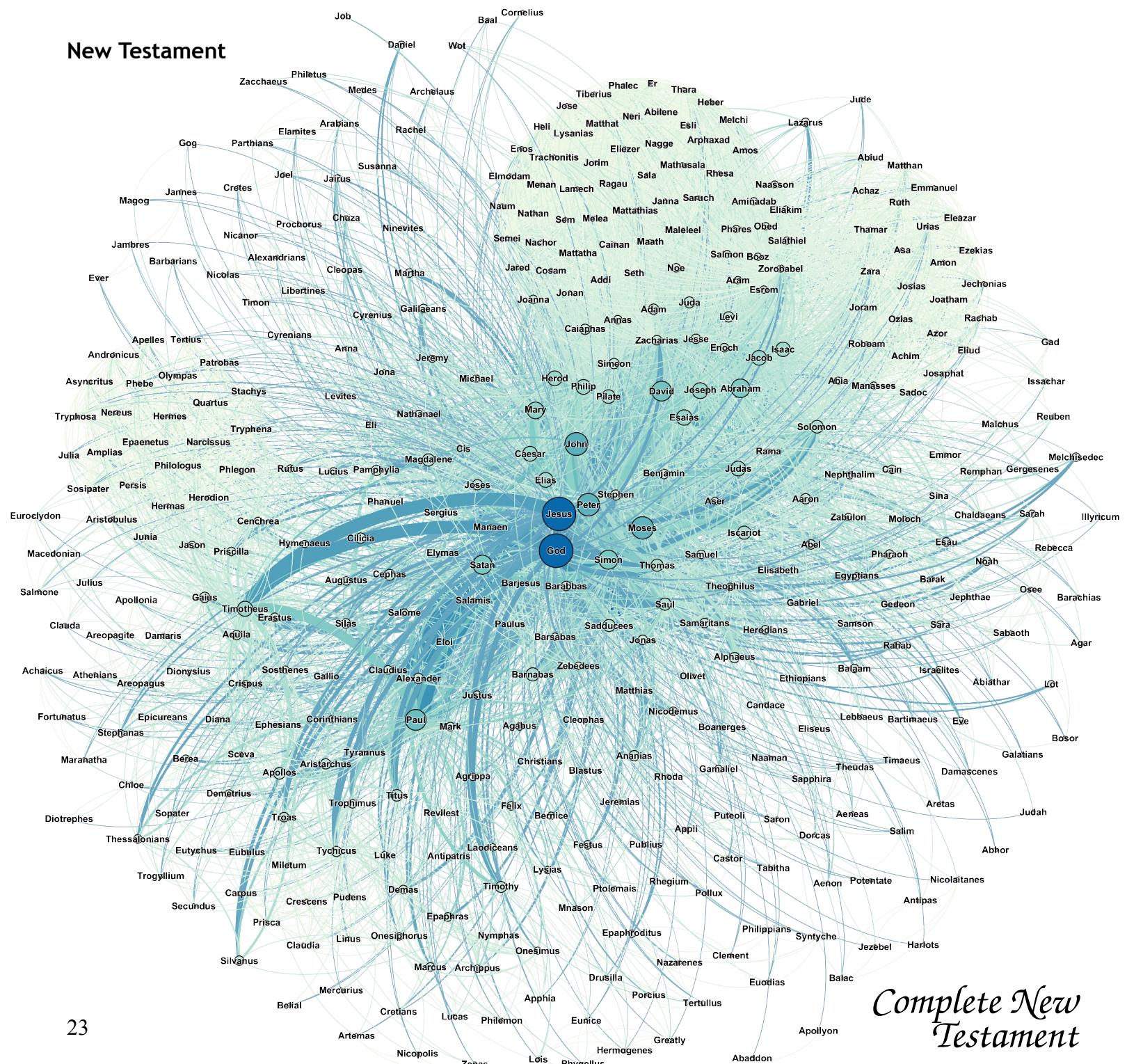


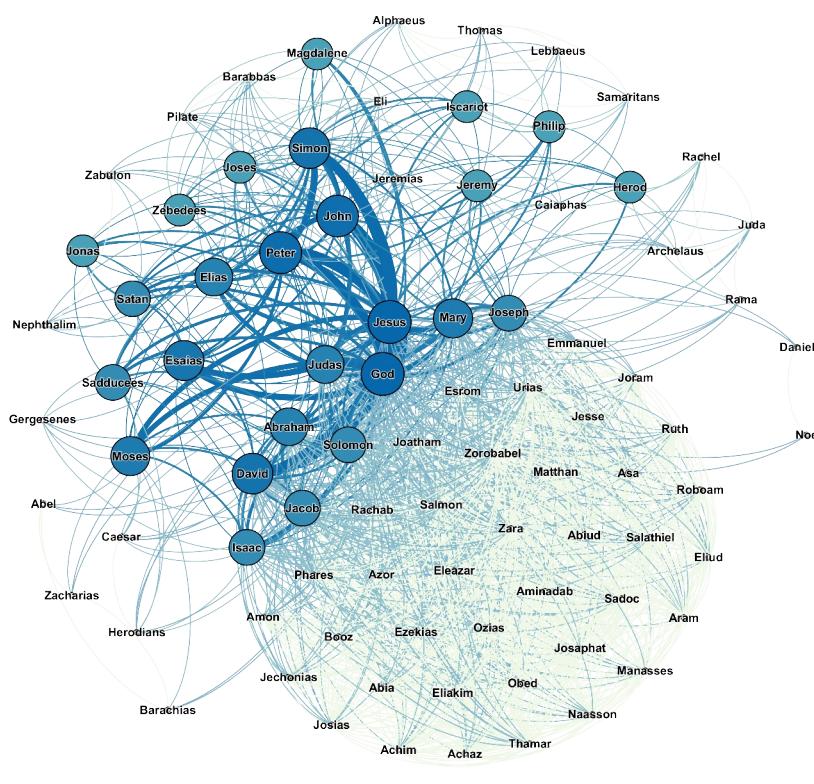
Malachi

An oracle. The word of the Lord to Israel by Malachi.



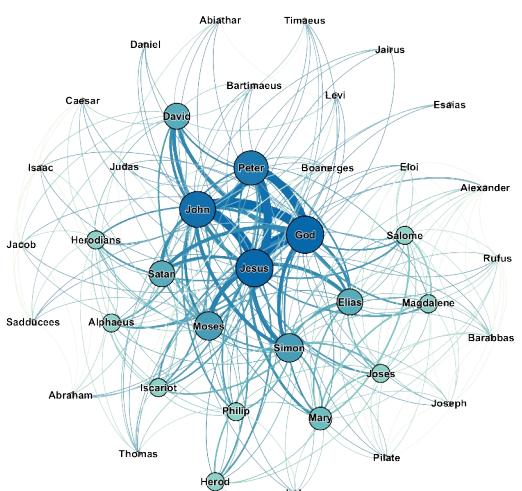
New Testament





Matthew

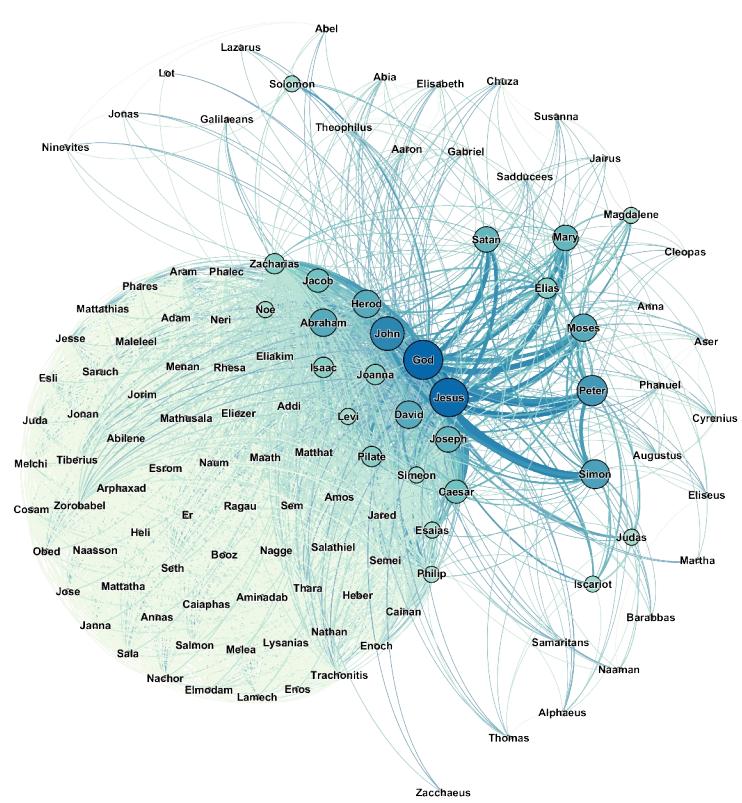
An account of the genealogy of Jesus the Messiah, the son of David, the son of Abraham.



Mark

The beginning of the good news of Jesus Christ, the Son of God.

New Testament

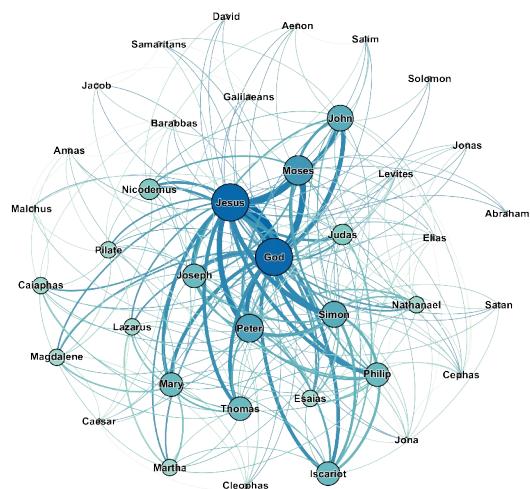


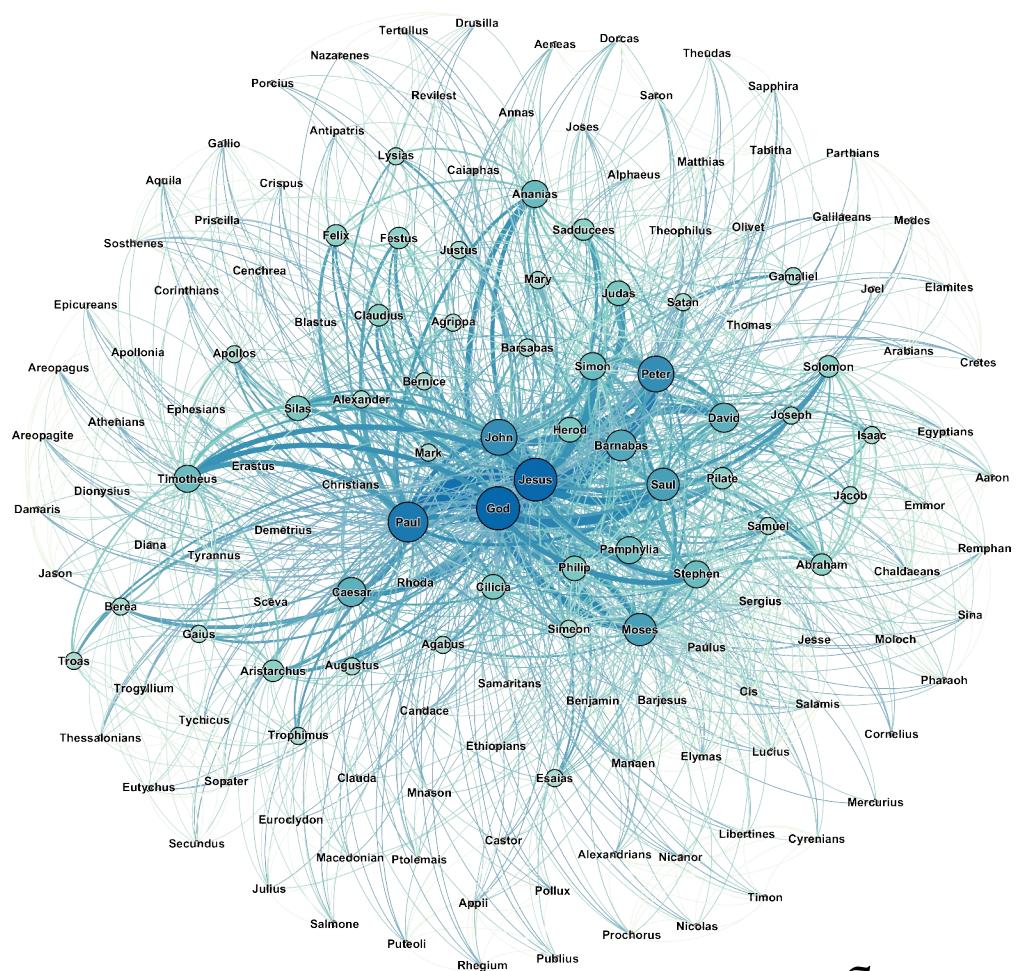
John

In the beginning was the Word, and the Word was with God, and the Word was God.

Luke

Since many have undertaken to set down an orderly account of the events that have been fulfilled among us...

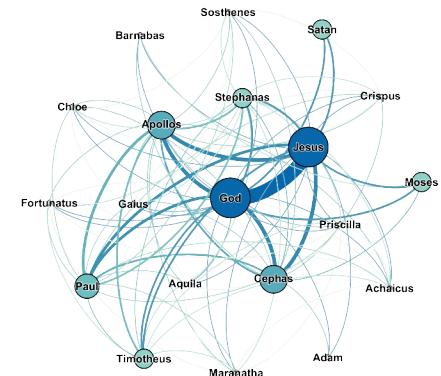
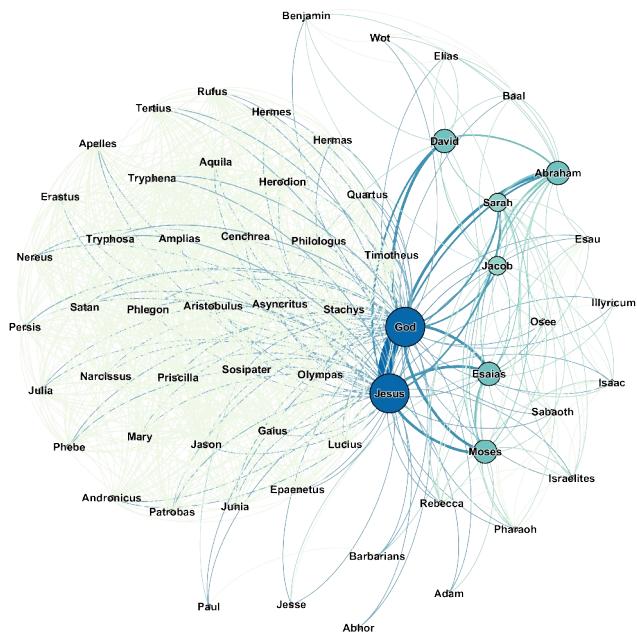




Acts

In the first book, Theophilus, I wrote about all that Jesus did and taught from the beginning...

New Testament



1Corinthians

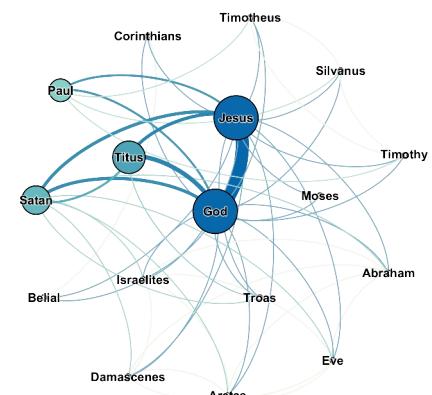
Paul, called to be an apostle of Christ Jesus by the will of God, and our brother Sosthenes...

Romans

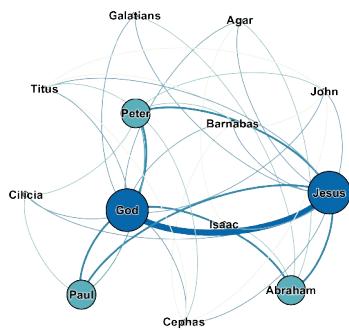
Paul, a servant of Jesus Christ, called to be an apostle, set apart for the gospel of God...

2Corinthians

Paul, an apostle of Christ Jesus by the will of God, and Timothy our brother, To the church of God that is in Corinth, including all the saints throughout Achaia....



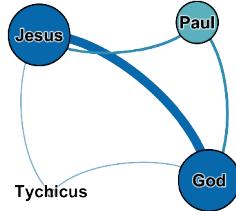
Galatians



Paul an apostle—sent neither by human commission nor from human authorities, but through Jesus Christ and God the Father, who raised him from the dead—

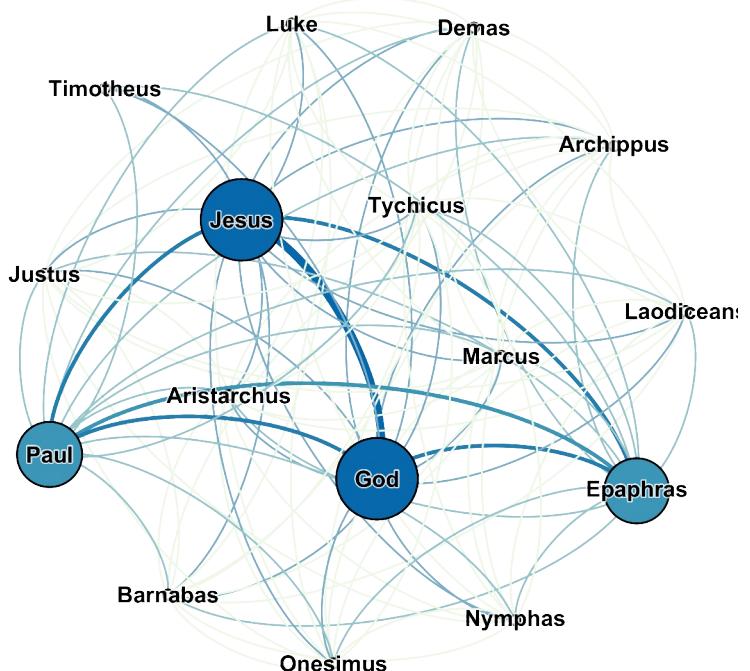
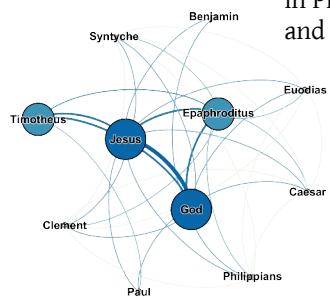
Ephesians

Paul, an apostle of Christ Jesus by the will of God, to the saints who are in Ephesus and are faithful in Christ Jesus:...



Philippians

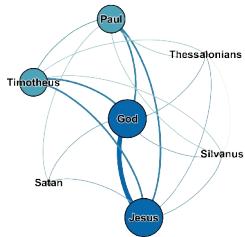
Paul and Timothy, servants of Christ Jesus, to all the saints in Christ Jesus who are in Philippi, with the bishops and deacons...



Colossians

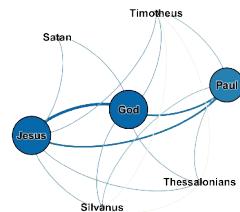
Paul, an apostle of Christ Jesus by the will of God, and Timothy our brother...

New Testament



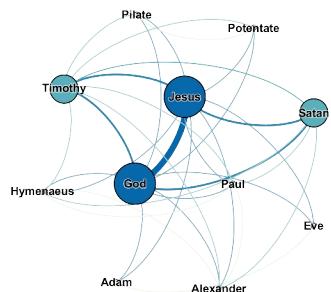
1 Thessalonians

Paul, Silvanus, and Timothy,
to the church of the
Thessalonians in God the
Father and the Lord Jesus
Christ: grace to you and
peace.



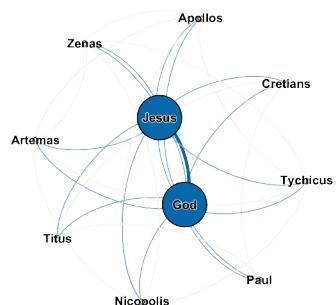
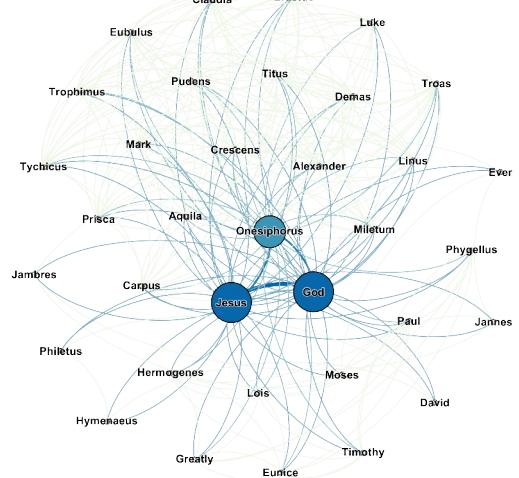
2Thessalonians

Paul, Silvanus, and Timothy,
To the church of the
Thessalonians in God our
Father and the Lord Jesus
Christ.



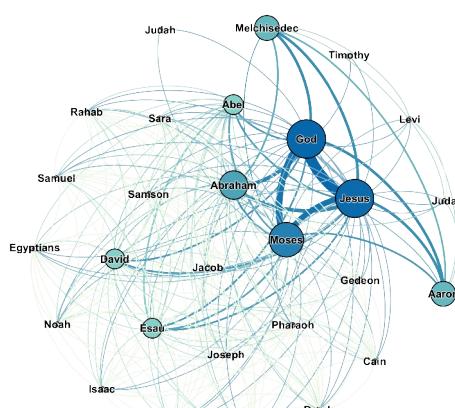
1 Timothy

Paul, an apostle of Christ
Jesus by the command of God
our Saviour and of Christ
Jesus our hope...



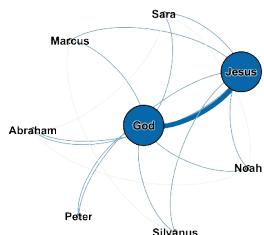
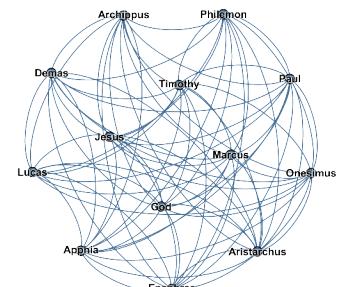
Titus

Paul, a servant of God and an apostle of Jesus Christ, for the sake of the faith of God's elect and the knowledge of the truth that is in accordance with godliness...



Philemon

Paul, a prisoner of Christ Jesus, and Timothy our brother, to Philemon our dear friend and co-worker...

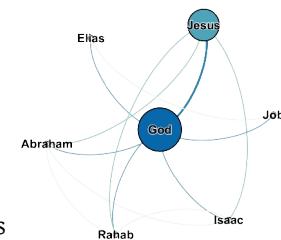


Hebrews

Long ago God spoke to our ancestors in many and various ways by the prophets...

James

James, a servant of God and of the Lord Jesus Christ, to the twelve tribes in the Dispersion: Greetings.

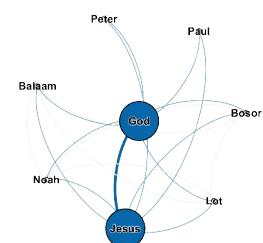


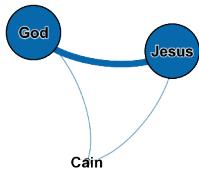
1Peter

Peter, an apostle of Jesus Christ, to the exiles of the Dispersion in Pontus, Galatia, Cappadocia, Asia, and Bithynia...

2Peter

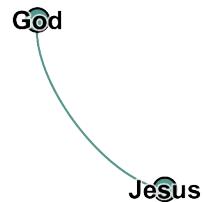
Simeon Peter, a servant and apostle of Jesus Christ, to those who have received a faith as precious as ours through the righteousness of our God and Saviour Jesus Christ...





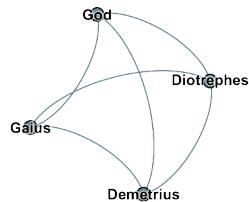
1 John

We declare to you what was from the beginning, what we have heard, what we have seen with our eyes, what we have looked at and touched with our hands, concerning the word of life—



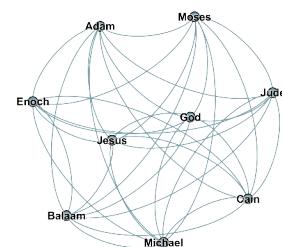
2 John

The elder to the elect lady and her children, whom I love in the truth, and not only I but also all who know the truth...



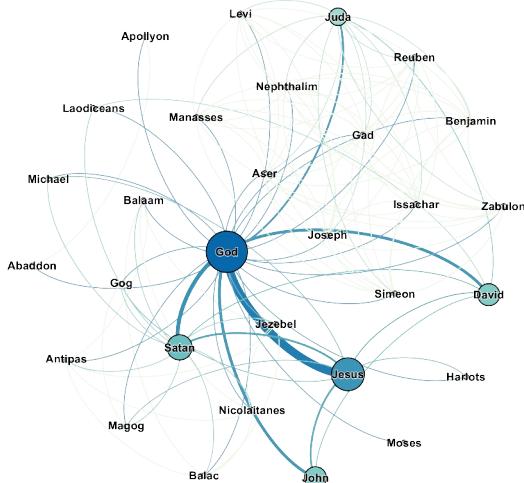
3 John

The elder to the beloved Gaius, whom I love in truth.



Jude

Jude, a servant of Jesus Christ and brother of James, to those who are called, who are beloved in God the Father and kept safe for Jesus Christ...



Revelation

The revelation of Jesus Christ, which God gave him to show his servants what must soon take place; he made it known by sending his angel to his servant John.

